AWARD/CONTRACT	1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)	RATING	PAGE OF PAGES 1 | 735

2. CONTRACT *(Proc. Inst. Ident.)* NO.
DE-EM0003733

3. EFFECTIVE DATE
See Block 20C

4. REQUISITION/PURCHASE REQUEST/PROJECT NO.
15EM001770

5. ISSUED BY CODE 03001

EMCBC
U.S. Department of Energy
EM Consolidated Business Center
250 E. 5th Street, Suite 500
Cincinnati OH 45202

6. ADMINISTERED BY *(If other than Item 5)* CODE 03002

EMCBC - Portsmouth-Paducah
U.S. Department of Energy
Portsmouth-Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington KY 40513

7. NAME AND ADDRESS OF CONTRACTOR *(No., Street, City, Country, State and ZIP Code)*

SWIFT & STALEY INC.
Attn: W.G. HOLSAPPLE JR.
101 LIBERTY DRIVE
KEVIL KY 420539363

CODE 095383170 FACILITY CODE

8. DELIVERY
☐ FOB ORIGIN ☒ OTHER *(See below)*

9. DISCOUNT FOR PROMPT PAYMENT
NET 30

10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN
ITEM

11. SHIP TO/MARK FOR CODE 03002

EMCBC - Portsmouth-Paducah
US Department of Energy
Portsmouth-Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington KY 40513

12. PAYMENT WILL BE MADE BY CODE 00511

OR for EMCBC
U.S. Department of Energy
Oak Ridge Financial Service Center
P.O. Box 6017
Oak Ridge TN 37831

13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:
☐ 10 U.S.C. 2304 (c) ( ) ☐ 41 U.S.C. 253 (c) ( )

14. ACCOUNTING AND APPROPRIATION DATA
See Schedule

15A. ITEM NO	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
	Continued				

15G. TOTAL AMOUNT OF CONTRACT $177,244,408.95

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X	B	SUPPLIES OR SERVICES AND PRICES/COSTS	10			PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.	
X	C	DESCRIPTION/SPECS./WORK STATEMENT	101	X	J	LIST OF ATTACHMENTS	487
X	D	PACKAGING AND MARKING	2			PART IV - REPRESENTATIONS AND INSTRUCTIONS	
X	E	INSPECTION AND ACCEPTANCE	6		K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
X	F	DELIVERIES OR PERFORMANCE	3		L	INSTRS., CONDS., AND NOTICES TO OFFERORS	
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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. ☐ CONTRACTOR' S NEGOTIATED AGREEMENT *(Contractor is required to sign this document and return _____ copies to issuing office.)* Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the followin documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. *(Attachments are listed herein.)*

18. ☑ AWARD *(Contractor is not required to sign this document.)* Your offer on Solicitation Number DE-SOL-0006383, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any condition sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.

19A. NAME AND TITLE OF SIGNER *(Type or print)*

20A. NAME OF CONTRACTING OFFICER
Tamara L. Miles

19B. NAME OF CONTRACTOR

BY _____
(Signature of person authorized to sign)

19C. DATE SIGNED

20B. UNITED STATES OF AMERICA

BY _____
(Signature of the Contracting Officer)

20C. DATE SIGNED
06/17/2015

NSN 7540-01-152-8069
PREVIOUS EDITION IS UNUSABLE

STANDARD FORM 26 (Rev. 4-85)
Prescribed by GSA
FAR (48 CFR) 53.214(a)

NAME OF OFFEROR OR CONTRACTOR
SWIFT & STALEY INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Tax ID Number: 61-0953661 DUNS Number: 095383170 Delivery: 1 Days After Award FOB: Destination				
00001	TRANSITION PERIOD Obligated Amount: $735,847.28 Accounting Info: Fund: 03000 Appr Year: 2015 Allottee: 33 Report Entity: 490810 Object Class: 25499 Program: 1111523 Project: 0001498 WFO: 0000000 Local Use: 0000000 Funded: $735,847.28				735,847.28
00002	CLOSEOUT				0.00
00101	OPERATIONS - BASE PERIOD Line item value is:$54,755,541.95 Incrementally Funded Amount: $884,152.72 Accounting Info: Fund: 03000 Appr Year: 2015 Allottee: 33 Report Entity: 490810 Object Class: 25499 Program: 1111523 Project: 0001498 WFO: 0000000 Local Use: 0000000 Funded: $884,152.72				54,755,541.95
00102	OPERATIONS - OPTION PERIOD Amount: $33,745,313.62(Option Line Item) Line item value is:$33,745,313.62				33,745,313.62
00201	SECURITY - BASE PERIOD Line item value is:$16,011,456.05 Incrementally Funded Amount: $150,000.00 Accounting Info: Fund: 01250 Appr Year: 2015 Allottee: 33 Report Entity: 490810 Object Class: 25499 Program: 1111112 Project: 0001497 WFO: 0000000 Local Use: 0000000 Funded: $150,000.00				16,011,456.05
00202	SECURITY - OPTION PERIOD Amount: $10,156,074.05(Option Line Item) Line item value is:$10,156,074.05				10,156,074.05
00301	EEOICPA - BASE PERIOD Continued ...				804,902.40

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Line item value is:$804,902.40 Incrementally Funded Amount: $10,000.00 Accounting Info: Fund: 01050 Appr Year: 2015 Allottee: 33 Report Entity: 490804 Object Class: 25499 Program: 3184701 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: $10,000.00				
00302	EEOICPA - OPTION PERIOD Amount: $530,273.60(Option Line Item) Line item value is:$530,273.60				530,273.60
00401	COST REIMBURSEMENT - BASE PERIOD Line item value is:$6,303,000.00 Incrementally Funded Amount: $100,000.00 Accounting Info: Fund: 03000 Appr Year: 2015 Allottee: 33 Report Entity: 490810 Object Class: 25499 Program: 1111523 Project: 0001498 WFO: 0000000 Local Use: 0000000 Funded: $100,000.00				6,303,000.00
00402	COST REIMBURSEMENT - OPTION PERIOD Amount: $4,202,000.00(Option Line Item) Line item value is:$4,202,000.00				4,202,000.00
00501	IDIQ - BASE PERIOD Line item value is:$10,000.00 Incrementally Funded Amount: $10,000.00 Accounting Info: Fund: 03000 Appr Year: 2015 Allottee: 33 Report Entity: 490810 Object Class: 25499 Program: 1111523 Project: 0001498 WFO: 0000000 Local Use: 0000000 Funded: $10,000.00				50,000,000.00
00502	IDIQ - OPTION PERIOD Amount: $0.00(Option Line Item) Line item value is:$0.00				0.00

PART I – THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS

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SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF CONTRACT AND ITEMS BEING ACQUIRED

This Contract includes Firm-Fixed-Price, Labor Hour, Cost Reimbursement, and Indefinite Delivery/Indefinite Quantity (IDIQ) contract line items numbers (CLINs) for the purpose of providing Infrastructure Support Services for the DOE Paducah Site located near Paducah, Kentucky, as described in Section C. The Contractor shall furnish all personnel, facilities, equipment, supplies, and services (except as furnished by the DOE as set forth in this Contract); and otherwise do all things necessary for, or incident to, the performance of work under this Contract in a safe, efficient, and effective manner.

IDIQ services shall be ordered in accordance with Section I clauses "Ordering," "Order Limitations," "Indefinite Quantity," and Section H clause entitled "Task Ordering Procedure." Under the IDIQ CLIN, the Government anticipates awarding Firm-Fixed-Price and/or Cost Reimbursement Task Orders depending on the nature of the requirement, and in accordance with FAR 16.500.

B.2 CLIN STRUCTURE

The Contract is structured into CLINs in Section B, and the Section B CLINs are supported by Section J, Attachment J-10, Exhibit Line Item Numbers (ELINs). The 60-day transition period is covered by CLIN 0001, and the 36-month base period is covered by CLINs 0101, 0201, 0301, 0401, and 0501. The 22-month option period is covered by CLINs 0102, 0202, 0302, 0402, and 0502, as follows:

Period	Firm-Fixed-Price (Operations)	Firm-Fixed-Price (Security)	Labor Hour (EEOICPA*)	Cost Reimbursement	IDIQ
Transition Period	0001				
Base Period	0101	0201	0301	0401	0501
Option Period	0102	0202	0302	0402	0502
Closeout	0002				

*Energy Employees Occupational Illness Compensation Program Act (EEOICPA)

B.3 CONTRACT PRICING

(a) Firm-Fixed-Price CLINs:

The Firm-Fixed-Price CLINs and ELINs correspond to Section C.3.0. Pricing for each CLIN corresponds with Attachment J-10, ELINs.

Operations CLINs: PWS Elements C.3.1, C.3.2, C.3.4 (excluding C.3.4.1), C.3.5, C.3.6, C.3.7, C.3.8, C.3.9, C.3.10, and C.3.12

CLIN	ELIN	Period	Quantity	Unit of Measure	Total Firm-Fixed-Price
0001	N/A	Transition (C.3.1)	1	Lump Sum	$735,847.28
0101	A101-A116	Base Period	36	Months	$54,755,541.95
0102	B101-B116	Option Period	22	Months	$33,745,313.62
0002	N/A	Closeout (C.3.12)	1	Lump Sum	$0.00

Security CLINs: PWS Elements C.3.3, C.3.4.1

CLIN	ELIN	Period	Quantity	Unit of Measure	Total Firm-Fixed-Price
0201	A201-A202	Base Period	36	Months	$16,011,456.05
0202	B201-B202	Option Period	22	Months	$10,156,074.05

(b) Labor Hour CLINs:

The Labor Hour CLINs and ELINs correspond to Section C.3.11. Pricing for each CLIN corresponds with Attachment J-10, ELINs.

EEOICPA CLINs: PWS Element C.3.11

The EEOICPA Records Technician and EEOICPA Derivative Classifier fixed hourly rates are fully burdened, and include all indirect costs and profit for EEOICPA work covered under Section C.3.11.

CLIN	ELIN	Period	Description	Estimated Quantity	Unit of Measure	Fixed Hourly Rate	Total Price
0301	A301-A302	Base Period	EEOICPA Records Technician	11,280	Hours	$55.08	$621,302.40
			EEOICPA Derivative Classifier	3,000	Hours	$61.20	$183,600.00
0302	B301-B302	Option Period	EEOICPA Records Technician	7,520	Hours	$54.43	$409,313.60
			EEOICPA Derivative Classifier	2,000	Hours	$60.48	$120,960.00

(c) Cost Reimbursement CLINs:

The Cost Reimbursement CLINs and ELINs correspond to Section C.4.0. Pricing for each CLIN corresponds with Attachment J-10, ELINs.

CLIN	ELIN	Period	Estimated Cost
0401	A401-A406	Base Period	$6,303,000
0402	B401-B406	Option Period	4,202,000

(d) IDIQ CLINs:

The IDIQ CLINs and ELINs correspond to Section C.5.0. The Government may issue Firm-Fixed-Price and/or Cost Reimbursement Task Orders depending on the nature of the requirement for the delivery of work. Attachment J-10, ELINs are Fixed Unit Rates applicable to the pricing of Firm-Fixed-Price Task Orders.

The minimum ordering guarantee for the IDIQ CLINs is $10,000, and this amount will be obligated to the IDIQ CLIN upon award. The maximum quantity of supplies or services the Government will acquire under the IDIQ CLINs will not cumulatively exceed $50,000,000.

CLIN	ELIN	Period
0501	A501-A514	Base Period
0502	B501-B514	Option Period

B.4 OBLIGATION OF FUNDS

(a) Pursuant to Section B.5 clause entitled "Limitation of Government's Obligation," the total amount of incremental funding allotted is $1,770,000.00 for the Firm-Fixed-Price CLINs.

(b) Pursuant to Section I clause entitled FAR 52.232-22 "Limitation of Funds," the total amount of incremental funding allotted is $100,000.00 for the Cost Reimbursement CLINs.

(c) The total amount of incremental funding allotted for the potential IDIQ scope will be determined upon issuance of the IDIQ Task Orders. Each IDIQ Task Order will be fully funded or incrementally funded within the Task Order.

B.5 LIMITATION OF GOVERNMENT'S OBLIGATION (FOR FIRM-FIXED-PRICE CLINS)

(a) This contract's CLIN 0001, CLIN 0101, CLIN 0201, CLIN 0102, CLIN 0202, and CLIN 0002 have traditional Federal Acquisition Regulation firm-fixed-prices and contract terms and conditions, with the exceptions that: CLIN 0001, CLIN 0101, CLIN 0201, CLIN 0102, CLIN 0202, and CLIN 0002 or all may be incrementally funded; and if a CLIN is incrementally funded, in the event of termination before it is

fully funded the Government's maximum liability for the CLIN will be the lower of the amount of funds allotted to the CLIN or the amount payable to the Contractor per the Termination for Convenience (Fixed-Price) clause of this contract. For each CLIN there is:

1) a fixed price for the action;
2) a fixed amount of work that corresponds to the firm-fixed-price;
3) a planned funding schedule that corresponds to the firm-fixed-price and the fixed amount of work;
4) no Government obligation to the Contractor until the Government allots funds to the contract for the action;
5) if the Government incrementally allots funds, both a firm-fixed-price for the services the allotted funds cover and a maximum Government obligation, including any termination obligations, to the Contractor equal to the allotted funds; and
6) an obligation that the Government will pay the Contractor for the work the Contractor performed for which funds were allotted based on the firm-fixed-price for the services the allotted funds covered and the firm-fixed-price of the work performed, not the costs the Contractor actually incurred.

(b) For each CLIN:

1) the Government's maximum obligation, including any termination obligations and obligations under change orders, equitable adjustments, or unilateral or bilateral contract modifications, at any time is always less than or equal to the total amount of funds allotted by the Government to the contract for the CLIN;
2) the Contractor explicitly agrees it reflected (that is, included or could have included an additional amount) in its offered price and in the subsequent negotiated firm-fixed-price for each of the firm-fixed-price CLINs included in this contract:
    i. the added complexity, challenges, and risks (including all risks, costs or otherwise, associated with termination as articulated in this clause) to which the Contractor is subject due to the incremental funding arrangement established in this clause; and
    ii. the specific risk that in the event of termination of an incrementally funded CLIN before the CLIN is fully funded, the Contractor could receive less than the Termination for Convenience (Fixed-Price) clause of this contract would allow, that is, because the maximum Government obligation for a firm-fixed-price CLIN is the allotted funds for the CLIN, the Contractor will receive the lower of the allotted funds or what the Termination for Convenience (Fixed-Price) clause of this contract would allow.
3) the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government, which is the firm-fixed-price of the services the allotted funds cover, equals the total amount allotted to the contract for the services;
4) if funds become available and the Government's need continues, the Government will allot funds periodically to the CLIN, the Contractor will provide a fixed amount of work for the funds allotted, and the Government will pay the

Contractor based on the firm-fixed-price of the fixed amount work. The Government will not pay the Contractor based on the costs the Contractor incurs in performing the work; and

5) the Contractor agrees to provide the fixed amount of work for the firm-fixed-price identified in the contract's Section B, Supplies or services and prices/costs, and in accordance with the delivery schedule identified in the contract's Section F, Deliveries or performance, provided the Government provides the funding per or earlier than the Planned Funding Schedule in paragraph (n) of this clause. At any time, the cumulative amount of funds allotted is the fixed price for the cumulative fixed amount of work identified with the funds.

(c) For each CLIN:
   1) The firm-fixed-price (of both the entire CLIN and of the current cumulative amount of funds allotted to the CLIN at any time during contract performance) is not subject to any adjustment on the basis of the Contractor's cost experience;
   2) The contract places the maximum risk and full responsibility on the Contractor for all costs and resulting profit or loss; and
   3) If the Government meets the entire Planned Funding Schedule,
      i. the cumulative amount of funds allotted will equal the CLIN's firm-fixed-price and
      ii. the Contractor must provide the work the contract requires for the CLIN.

(d) The firm-fixed-price for each CLIN is listed in Section B of this contract.

(e) The Planned Funding Schedule for each CLIN is in paragraph (n) of this clause. The sum of the planned funding for each CLIN equals the firm-fixed-price of the CLIN.

(f) The Actual Funding Schedule for each CLIN is in paragraph (o) of this clause. It specifies the actual amount of funds allotted and presently available for payment by the Government separately for CLIN 0001, CLIN 0101, CLIN 0201, CLIN 0102, CLIN 0202, and CLIN 0002, and the work to be performed for the funds allotted.
   1) The Contractor may bill against a CLIN only after the Government has allotted funds to the CLIN and the Contractor has delivered the services and earned amounts payable for the CLIN.
      i. The Contractor may bill only the lower of the two preceding amounts, that is, the lower of allotted funds or amount payable.
      ii. If the Contractor does not perform the contract's requirements for the CLIN, it must return the amounts that it billed that the Government reimbursed.

(g) If during the course of this contract the Government is allotting funds to a CLIN per or earlier than the Planned Funding Schedule, this contract to that point will be considered a simple firm-fixed-price contract for that CLIN regardless of the rate at which the Contractor is, or is not, earning amounts payable, and:
   1) The Government's and the Contractor's obligations under the contract for the CLIN—with the exception that the Government's obligation for the CLIN is limited to the total amount of funds allotted by the Government to the CLIN and similarly the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted—will be as if the CLIN were both firm-fixed-price and fully funded at

time of contract execution, that is, the Contractor agrees that: it will perform the work of the contract for that CLIN; and neither the firm-fixed-price for the CLIN nor any other term or condition of the contract will be affected due to the CLIN's being incrementally funded.

i. The Contractor agrees, for example, if the Government allots funds to a CLIN per or earlier than all of the funding dates in the Planned Funding Schedule for the CLIN, the Government has met all of its obligations just as if the CLIN were fully funded as of the time of contract execution and the Contractor retains all of its obligations as if the CLIN were fully funded as of the time of contract execution, while at the same time the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted to the contract; consequently, if the Contactor earns amounts payable at any time in performing work for the CLIN that exceed the total amount of funds allotted by the Government to the contract for the CLIN
   A. it (not the Government) will be liable for those excess amounts payable
   B. it will remain liable for its obligations under every term or condition of the contract and
   C. if it fulfills all of its obligations for that CLIN and the Government allots funds to the CLIN equal to the CLIN's firm-fixed-price, the Government will pay it the firm-fixed-price for the CLIN and no more.

ii. The Contractor also agrees, for example, if the Government allots funds to a CLIN by the first funding date in the Planned Funding Schedule, the Government has met all of its obligations up to that point in the contract as if the CLIN were fully funded (that is, as if progress payments based on cost had been agreed to and had been made, or milestone payments had agreed to and been made, or etc.) and the Contractor retains all of its obligations up to that point (such as meeting delivery schedules, maintaining quality, etc.) as if the CLIN were fully funded; consequently, if the Government subsequently terminates the CLIN it will pay the Contractor the lower of the following two amounts: the amount allotted by the Government to the CLIN; or the amount payable per the Termination for Convenience (Fixed-Price) clause of this contract.

(h) The Contractor shall notify the Contracting Officer in writing whenever it has reason to believe that the amount payable it expects to earn for the CLIN in the next 60 days, when added to all amounts payable previously earned, will exceed 75 percent of the total amount allotted to the CLIN by the Government.

1) The notification is for planning purposes only and does not change any obligation of either the Government or the Contractor.
2) The Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted to the CLIN.

3) The Government may require the Contractor to continue performance of that CLIN for as long as the Government allots funds for that CLIN sufficient to cover the amount payable for that CLIN.

(i) If the Government does not allot funds to a CLIN per or earlier than its Planned Funding Schedule, the Contractor may be entitled to an equitable adjustment and:
   1) the Government's maximum obligation, including any termination obligation, to reimburse the Contractor remains limited to the total amount of funds allotted by the Government to the contract for that CLIN;
   2) the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted to the contract;
   3) if the Government subsequently terminates the CLIN, it will pay the Contractor the lower of the following two amounts: the total amount of funds allotted by the Government to the contract for the CLIN; or the amount payable per the Termination for Convenience (Fixed-Price) clause of this contract.

(j) Except as required by either other provisions of this contract specifically citing and stated to be an exception to this clause, or by, among other things, terminations, change orders, equitable adjustments, or unilateral or bilateral contract modifications specifically citing and stated to be an exception to this clause, for either CLIN:
   1) The Government is not obligated to reimburse the Contractor in excess of the total amount allotted by the Government to this contract for the CLIN; and
   2) The Contractor is not obligated to continue performance under this contract related to the CLIN or earn amounts payable in excess of the amount allotted to the contract by the Government until the Contracting Officer notifies the Contractor in writing that the amount allotted by the Government has been increased and specifies an increased amount, which shall then constitute the total amount allotted by the Government to the CLIN.

(k) No notice, communication, or representation in any form, including, among other things, change orders, equitable adjustments, or unilateral or bilateral contract modifications, other than that specified in this clause, or from any person other than the Contracting Officer, shall affect the amount allotted by the Government to this contract for a CLIN, which will remain at all times the Government's maximum liability for a CLIN. In the absence of the specified notice, the Government is not obligated to reimburse the Contractor for any amounts payable earned for a CLIN in excess of the total amount allotted by the Government to this contract for a CLIN, whether earned during the course of the contract or as a result of termination.

(l) Change orders, equitable adjustments, unilateral or bilateral contract modifications, or similar actions shall not be considered increases in the Government's maximum liability or authorizations to the Contractor to exceed the amount allotted by the Government for a CLIN unless they contain a statement increasing the amount allotted.

(m) Nothing in this clause shall affect the right of the Government to terminate this contract for convenience or default.

(n) Planned Funding Schedule:

CLIN 0001 (Transition Period)

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
06/17/15	$735,847.28	Transition	$735,847.28	Transition

CLIN 0101 (Operations – Base Period)

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
06/17/15	$884,152.72	Site Operations	$884,152.72	Site Operations
TBD	TBD	Site Operations	TBD	Site Operations

CLIN 0201 (Security – Base Period)

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
06/17/15	$150,000.00	Site Security	$150,000.00	Site Security
TBD	TBD	Site Security	TBD	Site Security

CLIN 0102 (Operations – Option Period)

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
TBD	TBD	Site Operations	TBD	Site Operations

CLIN 0202 (Security – Option Period)

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
TBD	TBD	Site Security	TBD	Site Security

CLIN 0002 (Closeout)

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
TBD	TBD	Closeout	TBD	Closeout

(o) Actual Funding Schedule:

CLIN 0001 (Transition)

Date	Funds Allotted	Work Accomplished	Cumulative Funds Allotted	Cumulative Work Accomplished
06/17/15	$735,847.28	Transition	$735,847.28	Transition

CLIN 0101 (Operations – Base Period)

Date	Funds Allotted	Work Accomplished	Cumulative Funds Allotted	Cumulative Work Accomplished
06/17/15	$884,152.72	Site Operations	$884,152.72	Site Operations
TBD	TBD	Site Operations	TBD	Site Operations

CLIN 0201 (Security – Base Period)

Date	Funds Allotted	Work Accomplished	Cumulative Funds Allotted	Cumulative Work Accomplished
06/17/15	$150,000.00	Site Security	$150,000.00	Site Security
TBD	TBD	Site Security	TBD	Site Security

CLIN 0102 (Operations – Option Period)

Date	Funds Allotted	Work Accomplished	Cumulative Funds Allotted	Cumulative Work Accomplished
TBD	TBD	Site Operations	TBD	Site Operations

CLIN 0202 (Security – Option Period)

Date	Funds Allotted	Work Accomplished	Cumulative Funds Allotted	Cumulative Work Accomplished
TBD	TBD	Site Security	TBD	Site Security

CLIN 0002 (Closeout)

Date	Funds Allotted	Work Accomplished	Cumulative Funds Allotted	Cumulative Work Accomplished
TBD	TBD	Closeout	TBD	Closeout

PART I – THE SCHEDULE
SECTION C

PERFORMANCE WORK STATEMENT

PADUCAH INFRASTRUCTURE SUPPORT SERVICES

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SECTION C – PERFORMANCE WORK STATEMENT

C.1.0 GENERAL INFORMATION

Section C.1.0 contains information that is relevant to the entire scope of the Contract.

C.1.1 PROJECT LOCATION AND BACKGROUND INFORMATION

The U.S. Department of Energy (DOE) Office of Environmental Management (EM) is responsible for the cleanup and legacy waste management activities at the Paducah Gaseous Diffusion Plant (PGDP or Paducah Site). The PGDP is located on a Federal reservation in Western Kentucky, approximately 10 miles west of Paducah, Kentucky, and 3.5 miles south of the Ohio River. The plant is situated on approximately 3,556 acres divided as follows:

- 748 acres within a fenced limited security area;
- Approximately 822 acres of uninhabited area surrounding the plant area; and
- 1,986 acres licensed to the Kentucky Department of Fish and Wildlife as part of the West Kentucky Wildlife Management Area.

Additionally, there are approximately 133 acres of off-site easements primarily associated with incoming raw water lines and pumps from the Ohio River, emergency notification sirens, and environmental sampling stations. Bordering the Paducah Site to the northeast, between the plant and the Ohio River, is the Tennessee Valley Authority Reservation where the Shawnee Steam Plant is located.

The PGDP is a Government-owned uranium enrichment plant that was constructed in the early 1950's and operated by DOE and its predecessor agencies for manufacturing enriched uranium for the fabrication of fuel assemblies to support commercial and military nuclear reactors and to support weapons development activities. PGDP includes Hazard Category 2 Nuclear Facilities primarily based on the uranium inventory; however, other radioactive materials, such as transuranics, are present and contribute to the hazard categorization of the facilities. The PGDP is undergoing transfer of the Gaseous Diffusion Plant (GDP) facilities, which are leased and operated by the United States Enrichment Corporation (USEC), back to DOE.

This Performance Work Statement (PWS) represents the infrastructure support services work scope after the de-lease/transfer of facilities from USEC to DOE. Historical information from past infrastructure support services applies to prior contracts unless otherwise noted.

The 1992 Energy Policy Act (1992 EPAct) initiated a process to privatize the DOE uranium enrichment enterprises. Initially, USEC was established to operate the Portsmouth, Ohio, and Paducah, Kentucky, GDP's as a Government corporation. The 1992 EPAct also stated the Portsmouth and Paducah GDP's were to be leased to USEC and required operations of the enrichment process to be regulated by the U.S. Nuclear Regulatory Commission (NRC), which issued certificates of compliance to USEC for both plants in November of 1996.

The DOE has numerous prime contractors that support ongoing activities at the Paducah Site. The number of contractors and scope of the contracts may change during the period of performance of this Contract. The current contractors and their respective summary scopes are described below:

1) The Remediation contractor is responsible for specified environmental remediation activities at PGDP;
2) The Deactivation contractor is responsible for transfer of the facilities from USEC, deactivation of the PGDP facilities, preparing the facilities for future demolition, and Post-PGDP transfer environmental remediation;
3) The Depleted Uranium Hexafluoride (DUF_6) contractor is responsible for the operation of the DUF_6 Conversion Plant and management of DOE UF_6 cylinders; and
4) The Environmental Technical Services (ETS) contractor provides environmental, technical and administrative support services directly to DOE.

During the term of this Contract, the Infrastructure Support Services Contractor (herein referred to as the Contractor) shall interface with the other site contractors.

C.1.2 GOALS AND OBJECTIVES

The primary objective of this Contract is to perform infrastructure work at the Paducah Site. The Contractor shall comply with all applicable Federal, State, and local laws and regulations, Executive Orders, DOE Directives, Agreements and Orders (See Section J, Attachments J-1 and J-2). The Contractor shall provide all deliverables to DOE in accordance with Section J, Attachment J-4, List of Deliverables.

The Portsmouth Paducah Project Office (PPPO) works to ensure goals described in the DOE-EM, "*FY14 Annual Performance Agreement,"* Section J, Attachment J-13, are supported. The goals that are pertinent to this PWS are:

Goal 1: Improve safety, security and quality performance towards a goal of zero accidents, incidents, and defects and continue to improve the EM Complex-Wide Safety Culture.

Goal 2: Continue cleanup progress in a cost effective manner that is risk-informed, engages stakeholders, applies innovative solutions and provides value to the American taxpayer.

Goal 3: Improve management of contracts and projects/operations activities with the objective of delivering results on time and within cost.

Goal 4: Achieve excellence in leadership and resource management by championing financial stewardship, integrating business processes, optimizing EM culture change, and improving communications with the objective of enhancing accountability and achieving performance results.

Goal 5: Execute the EM Mission in a Sustainable Manner.

The Contractor shall support and implement actions in furtherance of the performance agreement and achievement of the above goals as they relate to the Paducah infrastructure activities.

C.1.3 CONTRACTOR PERFORMANCE AND KEY REQUIREMENTS

The Contractor shall furnish all personnel, facilities, equipment, supplies, and services (except as furnished by the DOE as set forth in this Contract); and otherwise do all things necessary for, or incident to, the performance of work under this Contract in a safe, compliant, efficient, integrated, and effective manner. The Contractor shall be responsible for planning, integrating, managing, and executing the programs, projects, operations, and other activities as described in this PWS.

The Contractor shall provide general operations oversight and project management functions to enable the safe operation of the infrastructure activities. In addition, the Contractor shall be responsible for the operations, environment, safety, health, and quality assurance within its own organization and its subcontractors' organizations. Consistent with Section E of this Contract, the Government will utilize Section J, Attachment J-11, Quality Assurance Surveillance Plan as a guide in its inspection and acceptance of Contractor services under the Contract.

The Contractor shall ensure that its technical approach and execution of work are compliant with the applicable statutory and regulatory requirements. The Contractor shall comply with all applicable federal, state, and local requirements and agreements including the protection and preservation of cultural, historic, or archeological resources. The Contractor shall recognize and work within the constraints imposed by this Contract and other regulatory agreements between DOE and regulatory agencies. Regulatory documents include applicable laws, regulations, directives, and agreements (Section J, Attachments J-1 and J-2).

C.1.4 TECHNICAL DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

To further define requirements and quantities of work within Section C, the Government has provided additional data in Section J, Attachment J-8, Technical Documents, Exhibits, and Other Attachments. This data includes inventories, maps, tables, listings, historical workload, performance standards, etc. Each Attachment J-8, Technical Documents, Exhibits, and Other Attachment is cross referenced within Section C.3.0 to specifically address the work within each subsection.

C.1.5 FORMAT AND STRUCTURE

The PWS includes five sections. Section C.1.0 contains information that is relevant to the entire scope of the Contract. Section C.2.0 contains project management and administration requirements that are applicable to the firm-fixed-price and labor hour scope of the Contract. There are no Section J Firm-Fixed-Price Exhibit Line Item Numbers (ELINs) directly associated with the requirements included under Section C.2.0. Sections C.3.0, C.4.0, and C.5.0 contain the

technical information and requirements specific to the firm-fixed-price and labor hour, cost reimbursement, and indefinite delivery/indefinite quantity (IDIQ) work, respectively.

C.2.0 MANAGEMENT AND ADMINISTRATION

C.2.1 ADMINISTRATION

The Contractor shall plan, integrate, manage, and execute the programs, projects, operations, and other activities as described in this Contract. The Contractor shall provide a balanced staff with the necessary management and technical expertise and experience to ensure performance objectives and standards are met.

As requested by the Government, the Contractor shall provide the Government with copies of all implementing policies, plans, and procedures for execution of programs required under this Contract (see Section J, Attachment J-4, List of Deliverables). All deliverables provided under this Contract, including implementing policies, plans, and procedures, shall be the property of the Government for present and future use without any proprietary data limitations.

The Contractor shall provide general operations oversight and project management functions to enable the safe operation of the infrastructure activities. In addition, the Contractor shall be responsible for the operations, environment, safety, health, and quality assurance within its own organization and its subcontractors' organizations. The Contractor shall also provide any required training for its own personnel that is not otherwise included under PWS Section C.3.9, Training Services.

The Contractor shall identify specific positions requiring requisite security clearances. Section J, Attachment J-8.C.2.1, "***Historical Listing of Positions Requiring Clearances,***" provides a listing of types of positions that have required clearances under prior contracts.

The Contractor shall submit a Deliverable Schedule to include the expected submission dates of all deliverables required by the Contract (see Section J, Attachment J-4, List of Deliverables) within 10 calendar days of the Notice to Proceed (NTP) in order to facilitate the DOE review process. For documents requiring DOE approval, the schedule shall allow for the submission of a draft document to DOE for review and comment, and a final document for DOE approval. For documents requiring approval from an outside (i.e., non-DOE) organization, the schedule shall allow for the submission of a draft document for DOE review and comment, the submission of a draft document addressing DOE comments to the outside organization for review and comment, and a final document for approval by the outside organization. This schedule shall be updated as part of the Monthly Progress Report specified in Section C.2.4.1.

The Contractor shall interface with the prime contractors at the Paducah Site. Additionally, the Contractor shall provide a representative/point of contact to the Paducah Site Citizens Advisory Board (CAB). This representative will coordinate with the DOE Federal Coordinator or DOE Project Manager and provide responses to the CAB relative to questions concerning its work when requested (see Section J, Attachment J-4, List of Deliverables).

C.2.2 ENVIRONMENT, SAFETY, HEALTH, AND QUALITY PROGRAM

The Contractor shall conduct all activities required for compliance with all applicable laws, regulations, directives, and agreements, including those listed in Section J, Attachments J-1 and J-2. The Contractor's Integrated Safety Management (ISM) System and Environment, Safety, Health and Quality (ESH&Q) Programs shall be operated as an integral, but visible, part of how the Contractor conducts business. This program shall include: prioritizing work planning and execution; establishing clear ESH&Q priorities; allocating resources to address programmatic and operational considerations; and correcting non-compliances and addressing all hazards for all facilities, operations, and work. The Contractor shall ensure that cost reduction efforts and efficiency efforts are fully compatible with ESH&Q performance.

In accordance with DEAR 952.223-72, Radiation Protection and Nuclear Criticality and DEAR 970.5223-1, Integration of Environment, Safety, and Health into Work Planning and Execution, the Government may stop work in the event of a non-compliance with applicable ES&H requirements and/or non-compliance with radiation protection and nuclear criticality safety standards. In the event that the Government issues a stop work order, an order authorizing the resumption of the work may be issued at the discretion of the Contracting Officer (CO). The Contractor shall not be entitled to an equitable adjustment by reason of, or in connection with, any work stoppage ordered in accordance with these clauses.

C.2.2.1 WORKER SAFETY AND HEALTH

The Contractor shall develop and submit to DOE for approval a Worker Safety and Health Program (WSHP) that is compliant with the requirements specified in 10 Code of Federal Regulations (CFR) § 851, and when implemented will reduce or prevent occupational injuries, illnesses and accidental losses.

The Contractor's safety program shall be integrated with other site-specific worker protection activities. The Contractor shall ensure the WSHP addresses and encompasses all work to be performed at the PGDP.

The WSHP shall also be applicable to the Contractor's subcontractors performing work at the PGDP. It is the Contractor's responsibility to ensure that all of its subcontractors performing work at the PGDP comply with the approved WSHP. The Contractor shall submit the written WSHP (see Section J, Attachment J-4, List of Deliverables) to DOE for approval within 40 calendar days of the NTP.

In addition, an updated WSHP shall be submitted to DOE for review and approval at least 90 calendar days prior to when any significant changes or additions to the WSHP are made. Annually, the Contractor shall submit either an updated WSHP to DOE for review and approval or a letter stating that no changes are necessary in the currently approved WSHP. The Contractor shall incorporate worker health and safety changes directed by DOE consistent with DEAR 970.5204-2, Laws, Regulations, and DOE Directives.

The Contractor shall provide safety and health Personal Protective Equipment (PPE) for its workers and the PPE utilized shall be commensurate to the level and type of hazards present. The

Contractor shall be responsible for the subsequent decontamination and compliant disposal of such PPE.

The Contractor shall report all occupational safety and health information on a quarterly basis as required in DOE O 231.1B, *"Environment, Safety, and Health Reporting."* This reporting shall include electronic submission of injury and illness reports using the Computerized Accident/Incident Reporting System (CAIRS) (see Section J, Attachment J-4, List of Deliverables). The Contractor shall take all actions necessary to preclude serious injuries and/or fatalities; keep worker radiation exposures and environmental releases As Low As Reasonably Achievable (ALARA) and below established limits; minimize the generation of waste; maintain or increase protection to the environment; and maintain or increase public and worker safety and health.

C.2.2.2 RADIATION PROTECTION AND RADIOLOGICAL SITE SERVICES

The Contractor shall conduct all radiological activities in compliance with a documented Radiation Protection Program (RPP) approved by the Government. The Contractor shall develop and implement a RPP meeting the requirements of 10 CFR § 835, *"Occupational Radiation Protection"* and DOE O 458.1, *"Radiation Protection of the Public and the Environment*" to minimize worker exposure to radiation, minimize the spread of contamination and to keep occupational and environmental radiation exposures ALARA. The Contractor shall also provide timely response to employee and public concerns regarding radiological activities and the impact of these activities on the health and safety of the community. The Contractor shall ensure that the RPP incorporates the requirements of Section C.2.2.10, Waste Management and Pollution Prevention, for restrictions on metals release and recycling.

The Contractor shall submit the written RPP (see Section J, Attachment J-4, List of Deliverables) to DOE for approval within 40 calendar days of NTP. In addition, an updated RPP shall be submitted to DOE for review and approval at least 90 calendar days prior to when any significant changes or additions to the RPP are made. The Contractor shall submit RPP updates to the Government annually.

The Contractor shall establish and implement an Environmental Radiological Protection (ERP) program to protect the public and environment against undue risk from radiation associated with its radiological activities at the PGDP. The program shall meet the requirements of DOE O 458.1, *"Radiation Protection of the Public and the Environment*," and ensure specified public dose limits are not exceeded.

The ERP program shall contain an ALARA process. The Contractor shall implement the program such that control and management of radiological activities is optimized so that releases to the environment and doses to members of the public are kept ALARA. The ERP program shall ensure that environmental monitoring shall be integrated with effluent monitoring, and conducted to characterize any releases of radioactive material from radiological activities. The Contractor shall submit the ERP plan (see Section J, Attachment J-4, List of Deliverables) to the DOE for approval within 40 calendar days of NTP. In addition, an updated ERP program shall

be submitted to DOE for review and approval at least 90 calendar days prior to when any significant changes or additions to the ERP program are made. The Contractor shall submit ERP program updates to the Government annually.

The Contractor shall perform calibration and maintenance of all monitoring and surveying equipment at the PGDP as required by the 10 CFR § 835 for its activities.

The Contractor shall provide all safety and health protective equipment, radiation dosimetry (Thermoluminescent Dosimeters/Personal Nuclear Accident Dosimeters), bioassays and monitoring equipment for work performed under this Contract as required by 10 CFR § 835, *"Occupational Radiation Protection."*

The Contractor shall manage the Paducah External Dosimetry Program, Paducah Internal Dosimetry Program, Paducah Radiological Instrumentation Program, and Paducah Radiological Records Program and provide dosimetry and bioassay sampling in support of its activities. The Contractor shall provide appropriate analytical laboratory services to analyze samples it collects in support of its activities. The Contractor's dosimetry program shall meet DOE Laboratory Accreditation Program (DOELAP) requirements and shall be used in all work areas that require dosimetry regardless of who manages that specific work area.

Services provided by the Contractor on behalf of the Government to other site contractors are described in Section C.3.2, Radiological Site Services for Others.

C.2.2.3 INTEGRATED SAFETY MANAGEMENT (ISM)

The Contractor shall develop and implement an ISM System that complies with the Section I Clause DEAR 970.5223-1, Integration of Environment, Safety, and Health into Work Planning and Execution. The Contractor's ISM System shall ensure all work is performed safely and in a compliant manner that ensures the workers, public, and environment are protected from adverse consequences. The Contractor shall establish safety performance objectives, performance measures, and commitments (POMC's) as required by DEAR 970.5223-1.

The Contractor's ISM System shall include a lessons learned program that is compliant with DOE Directives. The lessons learned program shall be structured to identify and apply available lessons in safety, quality and performance to this project as well as to capture, document, and provide lessons learned from this project for future application by others.

The Contractor shall prepare an ISM System Description (see Section J, Attachment J-4, List of Deliverables) in accordance with DEAR 970.5223-1 requirements and DOE G 450.4-1C guidance, including POMC's to implement the Contractor's ISM System, and submit the ISM System Description for DOE approval within 40 calendar days of NTP. The ISM System Description shall identify how the Contractor will maintain compliant and safe operations by integrating safety and health into all activities including environmental compliance. The System Description shall describe how the Contractor will measure ISM System effectiveness. POMC's shall be reviewed annually in response to DOE program and budget guidance and updated to

ensure the integrity of the system. The POMC's annual review and update shall be submitted for DOE approval (see Section J, Attachment J-4, List of Deliverables). In addition, the ISM System shall be subject to a verification review and approval by a DOE chartered ISM System verification team within 180 calendar days of the NTP.

To continuously improve the ISM System, the Contractor shall perform annual ISM System effectiveness reviews and submit a report documenting the status of the ISM System (see Section J, Attachment J-4, List of Deliverables) to DOE along with any changes needed to the ISM System Description.

The Contractor shall also interface and provide input (see Section J, Attachment J-4, List of Deliverables) to the DOE-designated lead contractor responsible for the Environmental Management System for its assigned activities, including pollution prevention, waste minimization, and hazardous waste diversion, water use reduction and green-house gas reduction, in accordance with DOE O 436.1, *"Departmental Sustainability."*

The Contractor shall serve as the consolidating contractor per DOE O 436.1, "*Departmental Sustainability*," and Executive Order 13514, "*Federal Leadership in Environmental, Energy, and Economic Performance*," for the PGDP consolidated Site Sustainability Plan (see Section J, Attachment J-4, List of Deliverables), to include the Comprehensive Energy Data Report (CEDR).

C.2.2.4 QUALITY ASSURANCE

The Contractor shall develop, maintain and conduct all work activities in accordance with a documented, DOE-approved Quality Assurance Program (QAP) in accordance with the requirements of EM-QA-001, "*EM Quality Assurance Program"* (latest revision). The Contractor shall prepare a site specific QAP or adopt the existing EM QAP. The Contractor shall prepare an organizational-specific Quality Assurance Implementation Plan (QIP) describing how the requirements of the QAP are implemented and flowed down to lower tier organizations. The implementation of QAP requirements shall be in accordance with applicable QIP's.

The Contractor's QAP shall describe the overall implementation of the EM Quality Assurance (QA) requirements and shall be applied to all work performed by the Contractor. The QAP and QIP (see Section J, Attachment J-4, List of Deliverables) shall be submitted to DOE for approval within 30 calendar days of the NTP. The Contractor shall obtain DOE approval of the QAP and QIP prior to assuming full responsibility for the Paducah Infrastructure scope from the incumbent contractor. In addition, an updated QAP and QIP (see Section J, Attachment J-4, List of Deliverables) shall be submitted to DOE for review and approval when any significant changes or additions to the QAP and QIP are made.

The Contractor shall perform a QAP effectiveness review annually, and submit to DOE a declaration report that demonstrates QAP implementation (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall develop and implement a comprehensive Issues Management System (see Section J, Attachment J-4, List of Deliverables) for the identification, assignment of significance category, and processing of nuclear safety-related issues identified within the Contractor's organization in accordance with DOE O 414.1D, "*Quality Assurance,"* EM-QA-001, "*EM Quality Assurance Program,"* and associated DOE Directives.

C.2.2.5 CONTRACTOR ASSURANCE SYSTEM

The Contractor shall develop and implement a Contractor Assurance System (CAS) tailored to site specific requirements at the PGDP. The Contractor shall develop and implement a CAS based on the requirements of DOE O 226.1B, *"Implementation of Department of Energy Oversight Policy"* and tailored to site specific requirements at the PGDP. The CAS program description (see Section J, Attachment J-4, List of Deliverables) shall be submitted to DOE for approval within 40 calendar days of the NTP, and quarterly reports shall be provided thereafter.

C.2.2.6 EMERGENCY MANAGEMENT

The Contractor shall participate in the Paducah Site's Emergency Management program to include planning, preparedness, response, recovery, and readiness assurance per DOE O 151.1C, *"Comprehensive Emergency Management System."*

The Contractor shall designate an individual to administer emergency management for the infrastructure facilities and activities. The designated individual is responsible for coordinating infrastructure emergency management activities with the Paducah Site Emergency Management Program in accordance with DOE O 151.1C, *"Comprehensive Emergency Management System."*

The Contractor shall provide building/project emergency contingency plans to the Government within 40 calendar days of the NTP (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall provide input to the Deactivation contractor for the annual updates to the Paducah Site Emergency Plan and the Paducah Emergency Readiness Assurance Plan (see Section J, Attachment J-4, List of Deliverables).

In accordance with DOE O 151.1C, *"Comprehensive Emergency Management System,"* the Contractor shall develop and maintain infrastructure facility specific Emergency Plan Implementing Procedures which shall be submitted to DOE for approval within 40 calendar days of the NTP (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall coordinate with site DOE contractors and provide adequate staff to support the Emergency Operation Center and Joint Public Information Center efforts for its operations, and ensure adequate support is available to respond to an emergency.

The Contractor shall participate with other DOE contractors in the development of a site-wide drill and exercise program that is compliant with DOE O 151.1C, *"Comprehensive Emergency*

Management System." The Contractor shall participate in the Paducah Site's training, drill/exercise program.

The Contractor shall develop and submit for DOE approval a Hazard Survey for Infrastructure facilities/activities (see Section J, Attachment J-4, List of Deliverables) in accordance with DOE O 151.1C, *"Comprehensive Emergency Management System,"* within 40 calendar days of the NTP and annually thereafter. Using the Hazard Survey results, the Contractor shall develop an Emergency Planning Hazard Assessment (EPHA) for Infrastructure facilities (see Section J, Attachment J-4, List of Deliverables) in accordance with DOE O 151.1C, *"Comprehensive Emergency Management System,"* within 40 calendar days of the NTP and annually thereafter.

The Contractor shall develop, update and coordinate with other site contractors and DOE, as needed, the Paducah Site/facility-specific Emergency Action Levels (EAL's) for the spectrum of potential Operational Emergencies to include protective actions for implementation in the Site Emergency Program. The Paducah Site/facility-specific EAL's shall be submitted to the Government within 30 calendar days of the NTP and when any significant changes or updates are made (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall develop and maintain an Emergency Management Readiness Assurance program (see Section J, Attachment J-4, List of Deliverables) which meets the requirements in DOE O 151.1C, *"Comprehensive Emergency Management System,"* and will be consistent with the Paducah Site-wide Emergency Management Readiness Assurance program.

The Contractor shall provide annual updates to the Deactivation contractor for incorporation into the Paducah Site Continuity of Operations Plan (COOP) in coordination with the Paducah Site's COOP program in accordance with DOE O 150.1A, *"Continuity Program"* (see Section J, Attachment J-4, List of Deliverables).

C.2.2.7 OCCURRENCE REPORTING

The Contractor shall review and categorize identified issues as required by DOE O 232.2, *"Occurrence Reporting and Processing of Operations Information."* The Contractor shall prepare Occurrence Reporting and Processing System (ORPS) reports when appropriate and perform subsequent follow-up actions to address the reported issues as necessary in accordance with these requirements. The reports shall be submitted per occurrence to the DOE ORPS in accordance with DOE O 232.2, *"Occurrence Reporting and Processing of Operations Information"* (see Section J, Attachment J-4, List of Deliverables).

C.2.2.8 PRICE ANDERSON AMENDMENT ACT

The Contractor shall maintain an internal Price Anderson Amendments Act (PAAA) noncompliance identification, tracking, reporting and corrective action system and shall provide access to and fully support DOE reviews of the system. The Contractor shall be accountable for ensuring that subcontractors adhere to the PAAA requirements.

C.2.2.9 EMPLOYEE CONCERNS

The Contractor shall develop and implement a DOE Employee Concerns Program meeting the requirements of DOE O 442.1A, *"Department of Energy Employee Concerns Program."*

The Contractor shall prepare and submit to DOE quarterly and annual Employee Concerns Status Reports (see Section J, Attachment J-4, List of Deliverables) for lessons learned and identification of possible adverse trends.

C.2.2.10 WASTE MANAGEMENT AND POLLUTION PREVENTION

The Contractor shall be responsible for appropriately and compliantly managing all waste it generates, to include initial characterization and final disposition. Radioactive waste shall be managed in accordance with DOE O 435.1, "*Radioactive Waste Management*."

The Contractor shall develop and submit a Waste Management Plan (see Section J, Attachment J-4, List of Deliverables) within 40 calendar days of the NTP for DOE approval, and updated annually thereafter.

The Contractor shall develop and implement a Pollution Prevention Plan in accordance with Executive Order 13423, *"Strengthening Federal Environmental, Energy, and Transportation Management,"* and Executive Order 13514, *"Federal Leadership in Environmental, Energy, and Economic Performance"* (see Section J, Attachment J-4, List of Deliverables), which includes recycling and a hazardous materials reduction program that ensures unnecessary waste is not generated and that encourages waste reduction. The Pollution Prevention Plan shall be submitted to DOE for approval within 40 calendar days of the NTP, and updated annually thereafter.

The Contractor shall collect, stage, and disposition recyclable materials from buildings and structures requiring janitorial services, as listed in Section J, Attachment J-8.C.3.0, ***"Listing of Facilities Responsibility Matrix."*** The Contractor shall report the recycle numbers to the DOE on a monthly basis with a breakdown of quantities in pounds for glass, plastic, aluminum, paper, and cardboard, as well as the number of printer cartridges and copier toner cartridges sent to a certified recycler for re-use (see Section J, Attachment J-4, List of Deliverables).

In accordance with DOE policy, the Contractor is prohibited from:

1) the release, for unrestricted use, of any scrap metal from DOE radiological areas into commerce in accordance with the July 2000 (Memorandum of "Release of Surplus and Scrap Materials," from Secretary Bill Richardson, dated July 13, 2000) suspension prohibiting unrestricted release for recycling; and
2) unrestricted release of volumetrically-contaminated metal into commerce in accordance with the January 2000 (Press Release "Energy Secretary Richardson Blocks Nickel Recycling at Oak Ridge," dated January 12, 2000) moratorium instituted by the Secretary of Energy.

C.2.3 ENGINEERING

The Contractor shall provide all engineering support required to perform this PWS. The Contractor shall be responsible for determining the level of engineering support necessary. Engineering activities may include, but are not limited, to engineering management, waste management engineering, computer engineering, fire protection engineering, mechanical engineering, nuclear engineering, system engineering, structural engineering, project engineering, and radiological engineering. Professional Engineers registered within the Commonwealth of Kentucky shall be required for all structural engineering assessments and projects wherein the safeguarding of life, health and property is concerned. All engineers shall design items and processes using sound engineering/scientific principles and appropriate standards; incorporate applicable requirements and design bases in design work and design changes; identify and control design interfaces; verify/validate the adequacy of design products using individuals or groups other than those who performed the work; and verify/validate work before approval and implementation of the design.

C.2.4 PROJECT MANAGEMENT

C.2.4.1 PROJECT MANAGEMENT ACTIVITIES

The Contractor shall establish, maintain, and use a performance measurement system that accurately records and reports the Contract performance against the requirements of the Contract, accurately reflects the Contract price in Section B of the Contract, and is consistent with DOE and EM policies and guidance for operations activities. The performance measurement system shall establish performance milestones, schedules, and percentage of project completion. The performance measurement system shall employ sound performance measurement principles and provide adequate insight into potential risks to DOE relating to achievement of schedule and technical performance objectives. Earned Value Management System (EVMS) reporting is not mandated, but may be used at the discretion of the Contractor.

The Contractor shall assist in the performance of all applicable project reviews that may include, but are not limited to, Independent Project Reviews (IPR's); quarterly project reviews; safety, security, and quality assurance assessments; and periodic reviews of project performance.

Project measurement and reporting for operations activities shall be performed in accordance with EM's Operations Activities Protocol, dated March 15, 2012, and the DOE Integrated Planning, Accountability, and Budgeting System (IPABS) – Guidance Documents, dated June 2011 or the most current version. The IPABS data shall be included in the Monthly Progress Report (see Section J, Attachment J-4, List of Deliverables). Contractor is not expected to enter the data into DOE-EM's IPABS database.

The Contractor shall prepare and submit a work plan (see Section J, Attachment J-4, List of Deliverables) by September 1 of each year that reflects the requirements and schedule of this Contract and the metrics to be achieved during the forthcoming year.

The Contractor shall submit a Monthly Progress Report (see Section J, Attachment J-4, List of Deliverables) to the CO, with a copy to the Office of Project Assessment ContractorsMPR@hq.doe.gov, not later than ten (10) business days following the end of each calendar month. The report shall provide the prior month's performance for each Contract Line Item Number (CLIN) and an update of the performance to date. The report shall include a narrative description of scope accomplished, progress on corporate and Contract specific performance metrics, status of milestones, and deliverables, as well as an update of the project schedule.

As part of the Monthly Progress Report, the Contractor shall include a monthly self-assessment, similar in format and content as Section J, Attachment J-11, Government Quality Assurance Surveillance Plan, which assesses the Contractor's work performance for that period against Contract requirements and performance standards.

The Contractor shall ensure timely response to Contract modifications and declaration of changed conditions, through the submission of Contract change proposals to maintain alignment of the authorized work within the Contract scope. The Contractor shall provide all management and technical information to:

1) Support the budget formulation activities including, but not limited to, emerging work items list; budget formulation input (including Integrated Priority List), fall limited budget update submission, budget scenario development, and budget presentations (such as public and regulatory briefings, etc.);
2) Support audits, evaluations, and external technical reviews; and
3) Support other DOE project performance assessments and information needs.

All project management information developed under this Contract shall be provided electronically or be electronically accessible by DOE. In support of the Paducah Integrated Site-wide Federal Lifecycle Baseline, the Contractor shall provide the interim and full Contract period of performance, schedule, and price information to the Government (see Section J, Attachment J-4, List of Deliverables).

Upon request, the Contractor shall provide the Work Breakdown Structure (WBS) and WBS dictionary (see Section J, Attachment J-4, List of Deliverables). The schedule shall be provided utilizing the current version of Primavera Systems, Inc., Enterprise for Construction© software unless otherwise agreed to by the Government.

C.2.4.2 STATUS MEETINGS

The Contractor shall establish a routine weekly status/project integration meeting with DOE (and include other organizations and contractors as necessary) to review ongoing and future Contract activities and issues. Within these routine weekly status meetings, the Contractor shall provide a brief written weekly status of ongoing and future Contract activities to DOE. The Contractor shall also participate in the recurring team meetings with DOE and other organizations and contractors to discuss ongoing and future Contract activities and issues. The meetings include a

weekly site planning meeting, a monthly shared site meeting, and a monthly performance review meeting. DOE may establish additional recurring meetings at its discretion.

C.2.4.3 ANALYSIS OF FUNDING CHANGES

The Contractor shall analyze proposed or directed funding changes for their impact on scope and schedule elements of the Contract, and shall advise DOE of any such impacts.

C.2.5 PROPERTY MANAGEMENT

C.2.5.1 REAL PROPERTY SERVICES

The Contractor shall comply with DOE O 430.1B, "*Real Property Asset Management*" for the acquisition, management and disposition of real property assets.

The Contractor shall be responsible for the space management planning in government furnished facilities for its use as well as any office relocations, minor or miscellaneous furniture moving, fixture installation, removal or adjustment for its personnel. Office relocations for other site personnel are addressed in C.3.5.1, Property Management Services.

C.2.5.2 PERSONAL PROPERTY

The Contractor shall manage all personal property assigned/Government Furnished Equipment (GFE) in accordance with FAR 52.245-1, "Government Property," and DOE O 580.1A, "*Department of Energy Personal Property Management Program.*" The Contractor shall also routinely input data and maintain the Property Information Database System (PIDS).

Attachment J-3, Accountable Property List, includes GFE for which replacement is reimbursable under C.4.4, Replacement of Government Furnished Property. Title to all property included in Attachment J-3, Accountable Property List, will continue to vest with the Government.

DOE will also provide the Contractor with additional GFE (see Attachment J-8.C.2.5.2, ***"Summary of Additional Government Furnished Property"***) in "as-is" condition. The Government shall retain title to all GFE included in Attachment J-8.C.2.5.2, and subject property shall be properly utilized and maintained by the Contractor. Replacement of GFE included in Attachment J-8.2.5.2 shall be at the discretion and expense of the Contractor, and the Contractor will retain title to all property acquired by the Contractor for use on the Contract that is not otherwise included on Attachment J-3, Accountable Property List. Disposition of any GFE on Attachment J-8.2.5.2 shall be in accordance with the terms and conditions of this Contract.

The Contractor shall coordinate and disposition all Government owned personal property determined to be excess in accordance with DOE O 580.1A, *"Department of Energy Personal Property Management Program,"* DOE O 458.1, "*Radiation Protection of the Public and Environment*" and additionally, when applicable, the following will apply:

1) The Contractor shall disposition classified equipment and material in accordance with the requirements of 41 CFR § 109-45.309-52 and DOE O 471.6, *"Information Security."*
2) The Contractor shall identify control and disposition high-risk property in accordance with the DOE Personal Property Letter 970-3, Revision 1, dated February 3, 1998.
3) The Contractor shall disposition nuclear-related or proliferation sensitive property in accordance with the requirements of 41 CFR § 109-45.309-53.
4) The Contractor shall disposition Automatic Data Processing Equipment (ADPE) as stated in 41 CFR 109-43.307-53 and in accordance with DOE Order 250.1B, *"DOE Cyber Security Program."*

The Contractor shall interface with the Paducah Area Community Reuse Organization (PACRO) to transfer eligible excess personal property per the PACRO/DOE Property Transition Agreement.

C.3.0 FIRM-FIXED-PRICE AND LABOR HOUR WORK

All work scope under Section 3.0 is under the firm-fixed-price CLINs except for Section C.3.11, which is under the labor hour CLINs.

C.3.1 CONTRACT TRANSITION

Upon CO issuance of the NTP, the Contractor shall begin transition from the incumbent contractor for a period of 60 calendar days. During the transition period, the incumbent contractor will be responsible for delivery of services. The Contractor shall assume full responsibility for delivery of services as approved by the CO at the end of the transition period.

The Contractor shall have all necessary personnel, including key personnel for the Contract, available during the transition period, to minimize any decreases in productivity and to prevent possible negative impacts on services. Key personnel identified in Section H shall be on site during the transition period.

The Contractor shall submit a Transition Plan (see Section J, Attachment J-4, List of Deliverables) for DOE approval within 15 calendar days of NTP. The Transition Plan shall include a description of all activities necessary to execute all sections of the Contract, a listing of involved organizations, and a schedule. Coordination with other site contractors is required to ensure continuation of services by the Contractor as identified in Section J, Attachment J-5, Government Furnished Services and Interface Requirements Matrix. The Transition Plan must ensure there is no loss or degradation of the services that are provided to the Government and its contractors.

The Contractor shall put into place any agreements it deems necessary between it and other site contractors/subcontractors for provision of services. Any agreement that requires DOE consent will be subject to a 14 calendar day review and approval period unless a longer review/approval period is warranted due to the size and complexity of the document.

The Contractor shall provide weekly Transition Status Reports (see Section J, Attachment J-4, List of Deliverables) to DOE until Contract Transition is completed. During transition, the Contractor shall establish routine status meetings with DOE and affected contractors to review transition activities and issues.

Certain deliverables identified in Section J, Attachment J-4, List of Deliverables, for work scope outside of Section C.3.1, Contract Transition, are scheduled for delivery prior to the completion of the transition period. Deliverables scheduled for delivery prior to the completion of the transition period shall be provided to DOE in a timely manner in accordance with the specified requirement for each deliverable.

C.3.2 RADIOLOGICAL SITE SERVICES FOR OTHERS

C.3.2.1 GENERAL

The Contractor shall provide radiological services to other site contractors on behalf of the Government in the areas of equipment maintenance, personnel radiological monitoring and records management.

C.3.2.2 RADIOLOGICAL INSTRUMENTATION

The Contractor shall calibrate, maintain and perform repairs for personnel and environmental monitoring and surveying equipment assigned to other site contractors per the requirements of 10 CFR § 835, "*Occupational Radiation Protection*" and DOE O 458.1, *"Radiation Protection of the Public and the Environment."* The radiological instrumentation inventory is provided as Section J, Attachment J-8.C.3.2.2, ***"Listing of Other Site Contractors' Equipment being Maintained."*** The Contractor shall schedule and document the completion of this work through the Computerized Maintenance Management System (CMMS) or other approved system.

C.3.2.3 DOSIMETRY PROGRAM

The Contractor shall develop, maintain and execute an internal and external bioassay program that meets the requirements of the Department of Energy Laboratory Accreditation Program. Additionally, the program shall be compliant with 10 CFR § 835, Subpart E. This program shall apply to all work areas that require dosimetry regardless of which contractor(s) have been assigned operational responsibility for the area(s). Projected Workload for this activity is provided in Attachment J-8.C.3.2.3, ***"Quantity of Personnel Active in Radiological Monitoring Program(s)."***

The Contractor shall provide bioassays and baseline bioassays as needed by DOE, its contractors, and subcontractors. Projected Workload for this activity is provided in Attachment J-8.C.3.2.3, ***"Quantity of Personnel Active in Radiological Monitoring Program(s)."***

C.3.3 SAFEGUARDS AND SECURITY

The Contractor shall be the Paducah Site Officially Designated Security Authority (ODSA), and as such shall be responsible for administering the Safeguards and Security (S&S) Program for all DOE personnel, prime contractors and others having official business on the Paducah Site. PPPO is the Officially Designated Federal Security Authority (ODFSA). The Contractor shall conduct S&S planning activities, as approved by the ODFSA, to ensure that an S&S Plan describing the assumptions and approved operating conditions are necessary and sufficient to protect national security and property assets, as well as the public, DOE employees, and contractor employees, at the Paducah Site, from malevolent actions by adversaries.

The Contractor shall safeguard against the loss, theft, diversion, unauthorized access, misuse, or sabotage of radioactive materials and radioactive sealed sources in accordance with DOE O 470.3B, *"Graded Security Protection (GSP) Policy."* The Contractor shall ensure that the requirements of the approved S&S directives, plans and procedures flow down to the subcontractors, at any tier, to the extent necessary to ensure subcontractor compliance with the

Paducah Site S&S Program.

The Contractor shall perform ODSA S&S functions for DOE site security oversight/operations at the Paducah Site in accordance with applicable Federal Laws, Executive Orders, Departmental Directives (Section J, Attachment J-1, List A and Attachment J-2, List B). Also, S&S considerations are to be thoroughly integrated with all aspects of mission accomplishment and integrated into the Contractor Mission Statement (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall prepare, submit, and implement S&S deliverables as specified below and in Section J, Attachment J-4. All S&S procedures and plans for the Paducah Site shall be coordinated with the Portsmouth ODSA contractor to ensure contractor consistency, continuity, and a risk-graded protection approach between the Portsmouth and Paducah Sites. As the ODSA, the Contractor will be responsible for developing and submitting to DOE for information a mechanism for ease of access to security policies and procedures for all prime contractors at the Paducah Site (see Section J, Attachment J-4, List of Deliverables) within 30 calendar days after the NTP and updating this mechanism annually thereafter.

The Contractor shall implement the following programmatic elements in accordance with the aforementioned DOE Directives applicable to each element:

1) *Program Management Operations:* Protection Program Management, Safeguards and Security Planning and Procedures, Management Control, and Program Wide Support.
2) *Physical Protection:* Access Controls, Intrusion Detection and Assessment Systems, Barriers and Delay Mechanisms, Testing and Maintenance and Communications.
3) *Information Security:* Basic Requirements, Technical Surveillance Countermeasures, Operations Security, Classification Guidance and Classified Matter Protection and Control.
4) *Personnel Security:* Access Authorizations, Human Reliability Programs, Control of Classified Visits and Safeguards and Security Awareness.
5) *Materials Control and Accountability:* Program Administration, Material Accountability and Materials Control.
6) *Foreign Visits and Assignments*: Sponsor Program Management and Administration, Counterintelligence Requirements, Export Controls/Technology Transfer Requirements, Security Requirements and Approvals & Reporting.

A program description and workload history is provided in Attachment J-8.C.3.3a, "***Security Services Workload History.***"

The above programs shall apply to the Kentucky Department of Fish and Wildlife (pertaining to the DOE leased land adjacent to the Paducah Site), other site tenants, and Paducah Site prime contractors on site, and shall be provided to meet DOE Directives and performance standards.

The Contractor shall develop and coordinate site tours and site security activities between the DOE, the Kentucky Department of Fish and Wildlife, other site tenants to include all site prime

contractors, and their respective subcontractors.

The Contractor shall provide personnel development and training in accordance with DOE O 470.4B, *"Safeguards and Security Program"* (or its successor document) for security programs, security education, and awareness briefings. The Contractor shall administer controlled article and vehicle passes, visitor control/local site specific badges, and the Paducah Site security lock and key program. The Contractor shall coordinate Communication Security (COMSEC) and Technical Surveillance and Countermeasures (TSCM) programs (as applicable), perform oversight of alarm systems and automated access control systems, provide training of other Paducah Site (Derivative Classifiers and Derivative Declassifiers) and the Paducah Site-wide risk analysis. The Contractor shall provide support to the DOE PPPO Lexington facility and its technical support contractors upon request from the Government.

The Contractor shall provide a Classification Officer and supporting staff for all DOE classification activities at the Paducah Site. The Classification Officer position is required to obtain and possess ODFSA approval prior to receiving the DOE-Headquarters (HQ) Office of Classification approval. The Contractor Classification component is required to comply with all applicable classified and controlled unclassified information security requirements. The Contractor shall transmit documents or information to the designated entities. Courtesy copies shall be provided to the local Federal Classification Officer and the DOE- HQ EM Program Classification Officer.

All Contractor Security management, staff, and locksmiths at the Paducah Site shall be able to obtain and possess a "Q" Access Authorization based upon their respective job duties and access requirements. The Contractor shall provide a staff member organizationally independent from operations to administer the security locks and keys activities for the Paducah Site.

The Contractor shall attend, and provide a written activities description (see Section J, Attachment J-4, List of Deliverables), of routine weekly status/project integration meeting with DOE, other site contractors, and other relevant organizations to review ongoing and future S&S activities and issues. The Contractor shall support recurring team meetings with DOE, other site contractors, and other relevant organizations to discuss ongoing and future S&S activities and issues. In addition to the above, the recurring meetings shall include bi-weekly meetings with the PPPO Facility Security Officer, the weekly site planning meetings, monthly shared site meetings, monthly performance review meetings, and additional meetings as described in Section C.2.4.2. Minutes from the bi-weekly meetings with the PPPO Facility Security Officer shall be provided to the Government following each meeting (see Section J, Attachment J-4, List of Deliverables), and the results of other security meetings shall be captured in security integration meeting reports provided on a quarterly basis (see Section J, Attachment J-4, List of Deliverables).

C.3.3.1 PROGRAM MANAGEMENT OPERATIONS

The Contractor shall integrate and coordinate the S&S Program for all prime contractors at the Paducah Site. The Contractor shall coordinate ODSA activities with the Paducah Site prime

contractors identified in Section C.1.1, and prepare a clarification letter. This clarification letter shall delineate the Contractor's responsibilities as the designated ODSA at the Paducah Site to implement and coordinate site S&S activities with the other prime contractors.

The Contractor shall ensure that the clarification letter demonstrates that the ODSA has informed all other prime contractors at the Paducah Site of their responsibility to comply with the ODSA security procedures for the S&S Program. The letter will further clarify that each Paducah Site contractor is responsible for communicating with their respective subcontractors the requirement to adhere to the ODSA S&S Plans and Procedures. The Contractor shall submit the clarification letter within 30 calendar days of the NTP to the PPPO Facility Security Officer (FSO) for information (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall evaluate and develop the security posture at the Paducah Site, which includes:

1) Asset identification;
2) Threat assessments, risk assessments, assessment approach and/or vulnerability analyses; and
3) Site security posture requirements for protective force.

The Contractor shall develop and implement an integrated S&S program consistent with DOE O 470.4B, "*Safeguards and Security Program*," DOE P 470.1A, "*Safeguards and Security Program*," and related directives and laws referenced therein. The Contractor shall ensure that the program includes the role of the Protective Force as it relates to the DOE interests at the Paducah Site. The Contractor shall develop an S&S Program to ensure implementation of the Site Security Plan (SSP) encompassing all DOE interests at the Paducah Site. The Contractor shall provide a copy of the approved S&S Procedure(s)/Plan(s) to all other DOE prime contractors' FSOs at the Paducah Site for their appropriate implementation.

C.3.3.1.1 Protection Program Management and Administrations

The Contractor shall develop, implement and maintain the Paducah Site S&S Program for all DOE interests at the site. This includes all applicable areas of S&S with the exception of Protective Force and Materials Control and Accountability (MC&A). The Contractor shall only provide Safeguards oversight of the MC&A program and S&S programmatic oversight of the Protective Force.

The Contractor shall provide S&S personnel training programs to security employees to ensure that they achieve the required level of proficiency and competence necessary to qualify the personnel to effectively perform assigned S&S tasks and/or responsibilities. The level of qualification required shall be determined by valid and complete job analyses.

The Contractor shall document S&S training procedures in the appropriate facility or site security plans.

The Contractor shall develop and implement an annual S&S Training Program Plan (see Section J, Attachment J-4, List of Deliverables) for Government approval, including accurate and complete employee training records that encompass all program elements performed by employees working at the Paducah Site. The plan must project training derived from a valid needs analysis for the forthcoming year, and establish programs that ensure personnel are trained to a level of proficiency and competence that ensures they are qualified to perform assigned S&S tasks and/or responsibilities. Accurate and complete S&S training records that contain dates of course attendance, course title, and scores/grades achieved (where applicable) must be maintained in accordance with Section 3.6, Records Management and Document Control, and copies provided to DOE upon request in accordance with Section C.3.6.5.4, Records Requests.

The Contractor shall appoint a FSO located at the Paducah Site (see Section J, Attachment J-4, List of Deliverables). The Contractor FSO shall complete the FSO training within one (1) year of appointment to the position demonstrating qualification to perform the duties of the FSO position, including security operations conducted at their assigned facility. The FSO training certificate shall be provided to the Government (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall familiarize all contractor and subcontractor personnel with the integrated safeguards and security process. The Contractor shall demonstrate that these personnel are aware of their individual security responsibilities and have completed required S&S training.

C.3.3.1.2 Safeguards and Security Planning and Procedures

The Contractor shall develop, document, and submit for review and approval to DOE an SSP (see Section J, Attachment J-4, List of Deliverables) detailing the S&S protection strategy for DOE assets at the Paducah Site. The SSP shall be provided to the Government for approval within 40 calendar days of the NTP, and updated annually thereafter or when significant changes occur.

The Contractor shall maintain and implement the SSP for all S&S interests at the Paducah Site. The SSP is the approved method for conducting security operations at a facility or site. The SSP must reflect security operations at the Paducah Site at all times. The SSP must describe in detail, either in its content or in combination with other explicitly referenced documents, all aspects of S&S operations occurring at the location and must include documentation of any deviations from national or DOE requirements. The SSP must be based on in-depth analysis of considerations specific to the location and the assets and interests to be protected.

The Contractor shall ensure that the SSP is supported by a sufficient analytical basis to establish that protection requirements will be met if the plan is completely and effectively executed. The analytical basis must include, as applicable, qualitative and quantitative simulations, performance test results, and/or expert analysis that reflect the complexity of facility/site operations and the consequences of loss or unauthorized access or use of the

security assets present.

The Contractor shall include the following in the Paducah SSP:

1) A listing and prioritization of the assets and security interests at the Paducah Site; a description of how the protection program is managed; and a description of how national and DOE S&S requirements are met, including any deviations from requirements; and
2) As required, implementation plans for meeting changes in national or DOE policies or other changes (such as the addition or removal of security interests) that may require an extended time frame to implement because of financial or other resource considerations, including an implementation schedule and planned contingency measures in case the requirements cannot be met as scheduled. Implementation plans and contingency measures may be included in the Paducah SSP by reference. The Contractor shall coordinate with the ODFSA as they monitor the contractors' implementation plans to ensure that requirements are implemented without unnecessary delays.

The Contractor shall ensure that the Paducah SSP is reviewed as required to ensure that it is current and reflects the actual operating conditions at the Paducah Site. Changes to approved security plans must be approved by the ODFSA, and the ODFSA may require more frequent reviews or may direct the Contractor to review the Contractor's plan at any time. Updates to the Paducah SSP must be made whenever any of the following conditions apply:

1) Changes in baseline security requirements in national-level or DOE policy;
2) Changes in facility operators/contractors;
3) Changes in assets or security interests;
4) Changes in facilities included in a site security plan;
5) Changes in the security posture of a facility or site;
6) Planned changes to the security program at the facility or site; or
7) Changes in operations at a facility or site that require modification to approved security measures.

The Contractor shall ensure that S&S protection strategy is developed in accordance with DOE Directives utilizing a graded approach. The Contractor shall address site-specific S&S activities in the Paducah SSP to include the following:

1) Access control;
2) Protection of classified matter;
3) Protection of Unclassified Controlled Information (UCI);
4) Physical protection of special nuclear material (SNM);
5) Personnel security;
6) Security Conditions (SECON) measures; and
7) Protection of Government property.

The Contractor shall develop a protection strategy that is sufficient to prevent the compromise of classified matter and 10 CFR § 824 violations.

The Contractor shall conduct vulnerability analyses and risk assessments, and prepare security plans in support of DOE programs (e.g., physical protection, site visits, etc.) at the Paducah Site.

The Contractor shall coordinate with the other DOE prime contractor(s) to develop the S&S strategy for the Paducah Site. The Contractor shall maintain all approved S&S plans in a current and accurate status, reflecting current and accurate site S&S procedures and requirements. The Contractor shall develop and implement S&S Project Plans and Security Plans for Classified Storage Areas, to include Non-Conforming Storage (see Section J, Attachment J-4, List of Deliverables). The Contractor shall routinely review S&S project plans and security interest areas through random assessments and/or surveillances to ensure that they are current and reflect the actual operating conditions at the covered location. The reports of the random assessments and/or surveillances shall be provided on a quarterly basis (see Section J, Attachment J-4, List of Deliverables). The Contractor shall coordinate with other DOE prime contractor(s) that are a concurring signatory to the SSP and responsible for management of the S&S activities within their contract requirements.

The Contractor shall develop and implement procedures (see Section J, Attachment J-4, List of Deliverables) for all applicable S&S topical and sub-topical areas which have not been thoroughly addressed in the SSP, as follows:

1) Security Lock & Key Program Procedure. The procedure shall protect and manage locks and keys in a graded manner based on the S&S interests being protected, identified threat, existing barriers, and the other protection measures afforded these interests.
2) Security Badge Procedure. This procedure should include, but is not limited to, requirements, types, issuance, use, recovery, destruction and accountability.
3) Security Management in Contracting Procedure. This procedure shall address the interface between the ODSA and the procurement organizations of the other prime contractors on site.
4) Develop a Control of Classified Visits Program Procedure. The procedure shall address the requirements for classified visits. The procedure applicable to classified visits must be documented in facility or site security plans.
5) Develop a procedure for the Management of Prohibited and Controlled Articles at the site. The sites are to develop procedures to account for, control, and limit all controlled articles entering specified security areas. The procedure shall include a review process to determine approval or denial of DOE contractor requests to use controlled articles, including approval by the ODFSA (e.g., cameras, cell phones, portable electronic devices and recording devices).
6) Foreign Visits and Assignments Procedure. The procedure shall establish and implement the requirements for contractors that involve foreign national access to DOE-owned or leased sites, information, technologies, or equipment.

The Contractor shall evaluate the DUF_6 Conversion Project Operational Site Security Plan for concurrence. The DUF_6 Conversion Project Operational Site Security Plan shall be included as an addendum to the ODSA SSP. The Contractor shall review the DUF_6 Conversion Project Operational Site Security Plan, and verify the DUF_6 Conversion Project Operational Site Security Plan is consistent with the Contractor's ODSA SSP, site security procedures, and applicable DOE Directives.

The Contractor shall develop and coordinate the implementation of a SECON response plan (see Section J, Attachment J-4, List of Deliverables) with the Deactivation contractor. The SECON response plan shall be submitted to the Government for approval within 40 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The SECON response plan must be a part of the facility or site security plan. The SECON response plan maintained shall be immediately implementable, including whenever changes occur to the Department's or a site's SECON status. This plan shall be coordinated with and concurred on by the Deactivation contractor to ensure the plan can be carried out in an acceptable time frame.

The Contractor shall develop and coordinate the implementation of a site demonstration plan (see Section J, Attachment J-4, List of Deliverables) with the Deactivation contractor. The plan shall be submitted to the Government for approval within 60 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The plan maintained shall be immediately implementable for various different demonstrations or protests. This plan shall be coordinated with and concurred on by the Deactivation contractor to ensure the plan can be supported.

The Contractor shall develop and coordinate the implementation of a site active shooter plan (see Section J, Attachment J-4, List of Deliverables) with the Deactivation contractor. The plan shall be submitted to the Government for approval within 30 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The plan maintained shall be immediately implementable for a variety of active shooting situations. This plan shall be coordinated with and concurred on by the Deactivation contractor to ensure the plan can be supported.

The Contractor will develop and implement an insider threat program plan to deter, detect, and mitigate insider threat actions (see Section J, Attachment J-4, List of Deliverables). The plan shall be submitted to the Government for approval within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur.

The Contractor shall crosswalk the inventory of the chemicals at the site with the Chemical Facilities Anti-Terrorism Standards (CFATS). The Contractor will perform a Radiological Toxic Risk Analysis for any results exceeding the thresholds listed in CFATS. The results of the inventory and analysis shall be included in a chemical screening inventory report to be provided to the Government annually for approval (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall adequately respond within requested time frames to S&S data calls (see Section J, Attachment J-4, List of Deliverables).

C.3.3.1.3 Management and Control
The Contractor shall perform surveys, self-assessments, and program reviews demonstrating that the S&S systems and process at the Paducah Site are operating in compliance with DOE Directives for the protection of security assets and interests. These activities shall provide for timely identification and correction of deficiencies/noncompliant conditions and validate the effectiveness of corrective actions taken to prevent adverse events or consequences.

C.3.3.1.3.1 Surveys and Self-Assessment Programs. An annual self-assessment schedule shall be developed for the applicable topical and sub-topical areas of S&S identified on DOE F 470.8, Survey/Inspection Report Form, within 60 days of the NTP, and updated each year by September 30 (see Section J, Attachment J-4, List of Deliverables). The Contractor shall perform comprehensive self-assessments of S&S topical and sub-topical areas (at least one per applicable topical and sub-topical areas for each fiscal year) in accordance with the annual self-assessment schedule and the Paducah SSP requirements (see Section J, Attachment J-4, List of Deliverables). The Contractor shall prepare an annual comprehensive site self-assessment report and submit to the PPPO FSO for submittal to the appropriate ODFSA (see Section J, Attachment J-4, List of Deliverables).

C.3.3.1.3.2 Performance Assurance Program (PAP). In collaboration with the other prime contractors on site, the Contractor shall develop, implement and maintain a PAP Plan (see Section J, Attachment J-4, List of Deliverables). The PAP shall be submitted to the Government for approval within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The PAP shall ensure that:

1) S&S activities performed to protect DOE S&S interests meet established monitoring and testing requirements; and
2) The activities are performed with sufficient rigor to ensure that the program elements are at all times effective in proactively identifying and precluding adverse activity before security is compromised.

The PAP shall identify the essential elements of the protection program and establish monitoring and testing activities with sufficient rigor to ensure that the program elements are at all times operational, functioning as intended, and interacting in such a way as to identify and preclude adverse activity before security is compromised (e.g., random assessments and/or surveillances of the automated access control system). Compensatory measures shall be implemented upon the discovery of any deficiency in S&S of any essential element(s).

The Contractor shall document monthly security performance metrics for essential S&S elements that monitor the effectiveness of key security requirements, including programs

and equipment (see Section J, Attachment J-4, List of Deliverables). The Contractor shall also document quarterly security metrics for performance testing (see Section J, Attachment J-4, List of Deliverables). Each test must be documented in a test report which includes a narrative description of the testing activity and an analysis of the test results. Issues requiring corrective action must be documented and tracked until resolved (e.g., automated access control system, classified patrols, and random assessments and/or surveillances of security areas).

C.3.3.1.3.3 Resolutions of Findings. The Contractor shall resolve findings associated with S&S activities. The Contractor shall perform the following:

1) Review of previous surveys and self-assessments;
2) Tracking of corrective actions;
3) Documentation of self-assessments;
4) Development, implementation, and tracking of CAPs;
5) Conducting causal analysis; and
6) Trending analysis of self-assessment findings.

The Contractor shall provide its self-assessment reports to affected contractors and their respective FSO for collaboration in the development of a Corrective Action Plan (CAP) that will be included in the annual comprehensive site self-assessment report and that will also incorporate any CAPs developed in response to DOE S&S surveys (see Section J, Attachment J-4, List of Deliverables). The Contractor shall review and concur on other contractors' S&S topical area self-assessments and shall track their corrective actions to closure. Findings must be tracked until closed and monitored on an established schedule to ensure that the CAPs are implemented in a timely and effective manner. The Contractor shall establish a local system to be used to track deficiencies and associated corrective actions from self-assessments until closed (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall conduct tracking and trending analyses of deficiencies to determine if systemic and systematic causal factors underlie multiple self-assessment or survey findings. If so, the associated CAPs must address these causal factors. The Contractor shall provide quarterly status reports of CAPs, which will include tracking and trending analyses of deficiencies (see Section J, Attachment J-4, List of Deliverables).

C.3.3.1.3.4 Incident Reporting and Management. The Contractor shall develop, implement and maintain the site Incidents of Security Concern (IOSC) Program Plan, and shall take actions to ensure that the ODFSA is notified of all IOSCs at the Paducah Site. The Contractor shall prepare an IOSC Program Plan and submit it to the PPPO FSO for submittal to the appropriate ODFSA (see Section J, Attachment J-4, List of Deliverables). The IOSC Program Plan shall be submitted to the Government for approval within 40 calendar days of the NTP, and updated annually thereafter or when significant changes occur.

The Contractor shall provide DOE-approved Inquiry Officials (IOs) to conduct inquires to establish pertinent facts and circumstances regarding IOSCs (see Section J, Attachment J-4, List of Deliverables). Other prime contractor FSOs shall be placed on distribution for inquiry reports and CAPs applicable to their respective entity. The Contractor shall provide IOSC reports to the ODFSA (see Section J, Attachment J-4, List of Deliverables). The Contractor shall receive reports from other prime contractors on site with IO authority. The Contractor shall transmit all IOSC reports to the ODFSA. The Contractor shall perform tracking and trending analysis of IOSCs at the Paducah Site, and shall submit a tracking and trending analysis report to the PPPO FSO on a quarterly basis (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall, with the exception of incidents of Management Interest (MI), categorize each IOSC, issue an initial report, conduct an inquiry, and issue a closure report (see Section J, Attachment J-4, List of Deliverables). The clock starts when a potential incident is brought to the attention of management. At this point, the Contractor has a maximum of five (5) calendar days to conduct a preliminary inquiry, to make the initial categorization, and to perform the initial notification(s). The Contractor shall ensure that each IOSC is properly categorized by significance level category and type.

The Contractor IOs shall possess Departmental IO training. IOs are responsible for conducting the inquiry and maintaining all documentation associated with the inquiry. The Contractor IOs shall be appointed in writing by the designated ODFSA.

For each IOSC, the Contractor shall develop a closure basis, and submit an Incident Closure Report to the ODFSA (see Section J, Attachment J-4, List of Deliverables) to document the basis for incident closure. The Contractor shall provide a report level of detail commensurate to the category of the incident consistent with IOSC Program Plan requirements. The report content and closing procedures must be documented in the site IOSC program plan.

C.3.3.1.4 Program-Wide Support

C.3.3.1.4.1 Facility Approval and Registration of Activities. The Contractor shall comply with DOE Directives governing facility clearances (FCLs) and activity registration requirements as described in DOE O 470.4B, *"Safeguards and Security Program."* The Contractor shall develop, implement, and maintain an FCL program plan and procedures as part of facility or site security plans. The FCL program plan shall be submitted to the Government for information within 60 calendar days of the NTP, and updated annually thereafter or when significant changes occur (see Section J, Attachment J-4, List of Deliverables). The Contractor's FCL program plan shall incorporate FCL clearances, registration of S&S activities, FCL program requirements, importance ratings, FCL approval requirements, interim and limited FCLs, personnel security clearances and exclusion procedures required in connection with contractor FCLs, reporting requirements, suspensions, and FCL termination and closeout. The Contractor's FCL procedure shall stipulate the requirements for initiating:

1) The issuance, modification, suspension, and/or termination of FCLs;
2) The registration of both FCLs and underlying contractual activities; and
3) The incorporation of S&S laws, regulations, and directives into prime contracts.

The Contractor's FCL procedure shall prescribe interactions between the ODSA and the other Paducah Site prime contractors to facilitate the completion of their respective roles, as well as interfaces between these organizations and the ODFSA for implementation.

The ODFSA is responsible for granting final security approval of and officially registering FCLs and S&S activities in the DOE Safeguards and Security Information Management System (SSIMS).

The Contractor shall develop and implement a facility data and approval record (FDAR) program plan (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for approval within 40 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The program plan shall document the process for determining and assigning an importance rating for each facility granted an FCL.

C.3.3.1.4.2 Foreign Ownership, Control, or Influence (FOCI). The Contractor shall comply with DOE Directives that pertain to receiving and maintaining a favorable FOCI determination as described in DOE O 470.4B, *"Safeguards and Security Program."* The Contractor shall develop and implement a FOCI program plan and procedures as part of facility or site security plans (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for information within 60 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The procedures shall stipulate the requirements for attaining and maintaining favorable FOCI determinations; and the need for incorporation of S&S laws, regulations, and directives into other Paducah Site prime contractor subcontracts.

The ODFSA is responsible for final FOCI determinations, as well as granting final security approval of S&S activities in SSIMS.

C.3.3.1.4.3 Security Management in Contracting. The Contractor shall incorporate required DOE S&S Directives and DEAR clauses into subcontracts as described in DOE O 470.4B, *"Safeguards and Security Program."* New or revised S&S Directives shall be incorporated into subcontracts within 60 days of issuance. The Contractor shall ensure that subcontracts involving classified information have the applicable security clauses included in subcontract general terms and conditions, and that Contract Security Classification Specification (CSCS) forms are issued to the ODFSA. The Contractor shall maintain control over the CSCS forms.

The Contractor shall ensure that procedures applicable to the security management in contracting are documented in facility or site security plans. The procedures shall

prescribe interactions and perform validations with the other Paducah Site prime contractors to facilitate the completion of their respective roles, as well as interfaces between these organizations and the ODFSA for implementation.

C.3.3.2 PROTECTIVE FORCE

The Contractor shall develop a Safeguards and Security Program Plan establishing the site security posture and stipulating the ODSA's responsibility for the assessment and/or surveillance of the Protective Force to ensure an effective program for the S&S interests at the Paducah Site to include compliance with the SSP and the execution of security plans for the various security interest areas (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for approval within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The Contractor shall also review the performance assurance metrics for the Protective Force's operations and develop a semiannual report on the result of these reviews (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall develop and implement a procedure to address the REAL ID Act (see Section J, Attachment J-4, List of Deliverables). The Real ID Act procedure shall be developed and implemented within 30 days of the NTP, and updated annually thereafter or when significant changes occur. The Real ID Act procedure shall include, but shall not be limited to, a monthly tracking spreadsheet (see Section J, Attachment J-4, List of Deliverables).

C.3.3.3 PHYSICAL PROTECTION

C.3.3.3.1 Access Controls

The Contractor shall physically protect DOE interests and assets at the Paducah Site. The Contractor shall develop, implement, and maintain an access control program plan (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for approval within 40 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The program plan shall encompass employee access, visitor access, escort requirements, automated access control systems, vehicle access, and entry and exit screening.

The Contractor shall coordinate all requests and usage of classified storage and classified meeting space. The Contractor shall provide combination changes and repairs to classified repositories for DOE and other site contractors.

C.3.3.3.1.1 Security Areas. The Contractor shall ensure that security areas are established, implemented and maintained that include, but not limited to:

1) General Access Areas (GAAs)
2) Property Protection Areas (PPAs)
3) Limited Areas (LAs)

The Contractor shall establish, implement and maintain the access controls applicable for

each designated security area that include, but not limited to:

1) Access Control
2) Escort Requirements
3) Automated Access Control Systems
4) Vehicle Access

The Contractor shall ensure the development, implementation and maintenance of a Prohibited and Controlled Articles Program to be used for official Government business. The program shall be documented in the SSP. The Contractor shall develop procedures to account for, control, and limit controlled articles entering specified security areas.

C.3.3.3.1.2 Posting and Signage Requirements. The Contractor shall post signs in accordance with DOE Directives at facilities, installations, and real property based on the need to implement Federal statutes protecting against degradation of S&S interests. Examples of such signs include:

1) Trespassing
2) Prohibited Articles
3) Controlled Articles
4) Official Business
5) Electronic Surveillance

C.3.3.3.1.3 DOE Security Badge Program. The Contractor shall issue Homeland Security Presidential Directive (HSPD)-12 credentials to all Federal employees, all site contractor employees who require long term [greater than six (6) months] access to DOE facilities or access to any DOE computer system, and other DOE-authorized individuals. Local Site Specific Only (LSSO) badges shall be developed and issued as needed to address unique issues and unique local badging requirements such as local site specific access badges and temporary visitor badges. The Contractor shall maintain badge logs that capture the type of badge issued, badge number of the badge issued, name of the person the badge was issued to, date of issuance and applicable date of destruction.

The Contractor shall implement and ensure compliance with the Paducah Site Security Badge Program including, but not limited to the following activities:

1) DOE Badge Requirements
2) Various Badge Types (DOE Federal and Contractor Employee, LSSO, Visitor, Temporary, Foreign Nationals, Emergency Responders and Non DOE Emergency Responders, HSPD-12)
3) Badge Issuance, Use, Recovery and Destruction
4) Badge Accountability
5) Protection of DOE Badge Materials and Equipment
6) Security Badge Validation
7) Development of DOE Badge Recipient Requirements

8) HSPD-12 Requirements, including Federal Information Processing Standard (FIPS) 201 and applicable National Institute of Standards & Technology (NIST) documents

C.3.3.3.1.4 Locks and Keys. The Contractor shall develop, implement and maintain a Security Lock and Key Program Plan (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for information within 30 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The Contractor shall ensure that the Lock and Key Program shall protect and manage all locks and keys, based on the graded approach. The Lock and Key Program shall be based on the S&S interests being protected, the identified threat, existing barriers, and other protection measures afforded these interests.

The Contractor shall evaluate and document the use and protection strategy for grand master, master, sub-master, and control keys in the Paducah SSP.

The lock and key program plan shall determine the application of Level III keys as well as more restricted keys. The Contractor shall issue all Level III and higher keys onsite, although other site contractors may utilize their own lock and key program for Level IV administrative locks (e.g., desks, file cabinets, etc.).

The Contractor shall implement an inventory system that ensures the appropriate accountability for Levels I, II, and III security locks, keys, key rings, key ways, and pinned cores. The Contractor shall develop and implement site specific procedures for the control of Level IV security locks and keys.

The Contractor shall maintain a qualified and competent locksmith who is organizationally independent from the Operations organization. The locksmith responsible for security locks and keys must report to the ODSA. The Contractor shall provide limited security support at the DOE PPPO Lexington facility of up to two (2) visits per year (i.e., classified repository support, classified lock and keys).

C.3.3.3.1.5 Escort Requirements. The Contractor shall develop, implement and maintain an escort program. The Contractor shall ensure that the escort program is integrated into the Paducah SSP. The Contractor shall not implement the escort program until the PPPO FSO and appropriate ODFSA have approved the Paducah SSP.

C.3.3.3.1.6 Automated Access Control Systems. The Contractor shall develop, implement and maintain an automated access control system compliant with HSPD-12 and FIPS Publication 201. The Contractor shall oversee all aspects of the automated access control system and shall maintain the operability of assigned facilities/equipment per Attachment J-8.C.3.3.3, ***"Automated Access Control System Listing"*** and consistent with Section 3.5, Operations and Management of Assets.

C.3.3.3.2 Intrusion Detection and Assessment Systems

The Contractor shall evaluate, design, establish, and maintain the protection strategy for use of intrusion detection and assessment systems at the Paducah Site (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The program plan shall include, but is not limited to, configuration, performance testing, and maintenance for assigned facilities. The Contractor shall make this protection strategy available to all Paducah Site prime contractors.

C.3.3.3.3 Barriers and Delay Mechanisms
The Paducah Site has security area(s) where physical barriers serve as the physical demarcation line. Barriers such as fences, walls, and doors or activated barriers are used to deter and delay unauthorized access. A more complete description of the types of Barriers and Delay Mechanisms and general requirements are contained in DOE O 473.3, *"Protection Program Operations."*

The Contractor shall develop and implement a barrier and delay strategy program plan (see Section J, Attachment J-4, List of Deliverables) in accordance with the requirements of DOE O 473.3, *"Protection Program Operations"* for the Paducah Site. The program plan shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The program plan will include, but will not be limited to, design, analysis, performance testing, assessments and maintenance of the physical barriers for the security areas. The Contractor shall conduct oversight on all barriers and delay mechanisms to ensure that they are adequate, sufficient and are maintained in a manner that is sufficient to deter, delay and/or prevent unauthorized access, based on the Protection Strategy outlined in the Paducah SSP.

C.3.3.3.4 Storage of Classified Matter
The Contractor shall oversee secure storage for classified matter and ensure compliant storage and protection of assigned assets. The Contractor shall ensure that all classified matter storage and protection shall be commensurate with the requirements of DOE O 471.6, *"Information Security,"* DOE O 475.2A, *"Identifying Classified Information,"* and all applicable security directives.

The Contractor shall evaluate, design, establish, and maintain the protection strategy for new or reconfigured storage approaches including the determination of the need for vaults, vault type rooms, GSA storage, and/or non-conforming storage, as applicable.

The Contractor shall ensure that security plans are shared with the Deactivation contractor (responsible for the Protective Force) for all classified storage areas at the Paducah Site that require their involvement in the implementation.

C.3.3.3.5 Testing and Maintenance
The Contractor shall establish and implement and maintain an effective method for assessing Intrusion Detection System (IDS) alarms (e.g., line supervision, intrusion, false, nuisance, system failures, tamper, and radio frequency when radio frequency is used) to quickly and

accurately determine the cause. The Contractor shall establish the requirement for IDS alarms, establish and assess the Paducah Site IDS alarm testing and maintenance program, and implement IDS alarm testing and maintenance for assigned facilities. The testing and maintenance programs should be in compliance with the requirements of DOE O 470.4B, *"Safeguards and Security Program"* and DOE O 473.3, *"Protection Program Operations,"* Attachment 3, Section A, Chapter V.

C.3.3.3.6 Communications

The communications requirements driven by the DOE O 473.3, *"Protection Program Operations,"* apply solely to the Protective Force, which shall be addressed in the Deactivation contract.

C.3.3.4 INFORMATION SECURITY (INFOSEC)

The Contractor shall establish and maintain an effective Information Security program at the Paducah Site including Classified Information, Privacy Act Information, and UCI, which includes Official Use Only (OUO) Information, Unclassified Controlled Nuclear Information (UCNI) and Export Controlled Information (ECI). The Contractor shall assist other Paducah Site prime contractors responsible for the protection of classified and otherwise unclassified yet sensitive information by providing guidance and adjudication of information security issues.

C.3.3.4.1 Basic Requirements

The Contractor shall develop, implement and maintain a site-wide comprehensive UCI Program (see Section J, Attachment J-4, List of Deliverables). The program shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. This program plan will include, but will not be limited to, OUO, Personally Identifiable Information (PII), UCNI, and ECI. The program shall prescribe the processes for identifying, marking and protecting the information that includes UCI. The UCI program shall be implemented and maintained in compliance with the requirements of DOE O 471.1B, *"Identification and Protection of Unclassified Controlled Nuclear Information,"* DOE O 471.3, *"Identifying and Protecting Official Use Only Information,"* DOE O 471.6, *"Information Security,"* DOE M 471.3-1, *"Manual for Identifying and Protecting Official Use Only Information,"* and the DOE Guidelines on Export Control and Nonproliferation. The Contractor shall have training and approval authority for DUF_6 Conversion Project ECI matters for site-wide information security concerns, but will defer to the DUF_6 Conversion contractor's ECI reviewing officials for the final site authority for DUF_6 Conversion Technology.

C.3.3.4.2 Technical Surveillance Countermeasures

The Contractor shall implement and maintain a TSCM Program, as required (see Section J, Attachment J-4, List of Deliverables). The program shall be submitted to the Government for approval within 30 calendar days of the NTP, and updated annually thereafter or when significant changes occur.

C.3.3.4.3 Operations Security (OPSEC)

The Contractor shall develop, implement and maintain an OPSEC Program and shall prepare and submit a documented OPSEC Program Plan to the Government for review and approval (see Section J, Attachment J-4, List of Deliverables). The program shall be submitted to the Government for approval within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The OPSEC Program Plan shall be site-wide, ensure protection of Critical Information (CI), and enhance mission effectiveness and protection of operations and activities. The OPSEC Program Plan shall be implemented and maintained in accordance with the requirements of DOE O 471.6, *"Information Security"* (or any successor Orders).

C.3.3.4.4 Classification Program

The Contractor shall develop, implement and maintain a Classification Program Plan in accordance with the requirements of DOE O 475.2A, *"Identifying Classified Information"* (or any successor Orders) (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government within 60 calendar days of the NTP, and updated annually thereafter or when significant changes occur.

The Classification Program Plan will identify the procedures pertaining to the implementation and maintenance of the requirements set forth in the DOE Directives that include, but are not limited to:

1) Training
2) Briefings
3) Self-Assessments
4) Corrective Actions
5) Performance Testing
6) Appointment of Derivative Classifiers
7) Appointment of Derivative Declassifiers
8) Appointment of an Export Control Officer
9) Appointment of UCNI Reviewing Officials
10) Site Specific Guidance as applicable
11) Classification & Declassification Review Requirements
12) Bracketing and Redaction Procedures
13) Classification Stamps and Classification Markings. Classification guidance must be identified for all work performed in a classified subject area in accordance with DOE Directive.
14) Routine reviews of documents for classification to include:
    a) documents in "classifiable subject areas" for a classification determination such as blue prints, medical files, personnel files, photographs, problem reports;
    b) OUO information determination;
    c) Controlled Unclassified Information;
    d) UCNI;
    e) ECI determination;
    f) Freedom of Information Act (FOIA) Requests;
    g) Energy Employees Occupational Illness Compensation Program Act (EEOICPA)

document requests; and
h) Privacy Act Information.

The Contractor shall provide a Classification Officer and supporting staff for all DOE classification activities at the Paducah Site (see Section J, Attachment J-4, List of Deliverables). These activities include work for others and gaseous diffusion technology. All personnel performing the Derivative Classifier functions at the Paducah Site shall be trained and certified by the Contractor Classification Officer. The PPPO Classification Officer is the ODFSA for PPPO classification matters. The PPPO FSO is the PPPO Classification Coordinator and serves as the point of contact regarding Paducah Site classification activities. The Classification Officer and the Derivative Declassifiers shall be trained at the Office of Director of Classification at DOE HQ.

Upon proper appointment, the Classification Officer shall have access to classified information at the level of Secret Restricted Data (S-RD); and therefore is required to possess a DOE Q clearance prior to appointment. Before appointment, the person designated to occupy this position shall have completed the DOE Classification Officer training, and he/she must be:

1) Recommended for appointment by the DOE Oak Ridge Office Classification Officer;
2) Concurred upon by the PPPO FSO; and
3) Approved in writing by DOE HQ.

The Contractor shall provide support to DOE for classification reviews/determinations, technical reviews, legacy issues support, litigation support, support for issues involving the Department of Justice and DOE Inspector General, worker's compensation support, and review for release of information to the public (although not the final determination of release) under the FOIA and Privacy Act. The Contractor shall transmit documents or information to the designated entities.

The Contractor shall provide a quarterly classified/declassified program status report (see Section J, Attachment J-4, List of Deliverables). The quarterly report will summarize the following classification activities:

1) Education and training for derivative classifiers, reviewing officials and technical information officers;
2) Privacy Act Reviews for EEOICPA;
3) FOIA requests reviews;
4) Litigation request reviews;
5) Number of miscellaneous reviews for documents, photographs, drawings, blueprints and electronic media;
6) Newly generated documents; and
7) Documents Declassified.

Courtesy copies of assessments and other relevant information shall be provided to the PPPO

Classification Coordinator, PPPO Federal Classification Officer and the Office of Environmental Management Program Classification Officer (EM-44) (see Section J, Attachment J-4, List of Deliverables).

C.3.3.4.5 Classified Matter Protection & Control (CMPC)
The Contractor shall protect classified information in all forms in accordance with DEAR 952.204-2, Security, and all applicable laws, regulations, policies, directives, and other requirements that apply. A violation of the provisions of the Contract relating to the Safeguarding or Security of Restricted Data (RD) or other Classified Information may result in a civil penalty pursuant to subsection A of Section 234B of the Atomic Energy Act of 1954, as amended (42 U.S.C.§ 2282b). The procedures for the assessment of civil penalties are set forth in 10 CFR § 824, Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations.

The Contractor shall develop and implement a COMSEC program plan for users of COMSEC equipment (as applicable) (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The Contractor shall develop and implement a COMSEC program for users of COMSEC equipment (i.e., Re-setting the Secure Terminal Equipment). The Contractor shall be a COMSEC account user, and not an account custodian.

C.3.3.4.5.1 Control of Classified Matter. The Contractor shall develop, implement and maintain a CMPC Program in accordance with the requirements of DOE O 471.6, *"Information Security"* (or any successor Orders) (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The CMPC Program shall address the process for the handling and protection of classified information throughout its lifecycle. The CMPC Program includes the following activities:

1) Origination;
2) Classification;
3) Marking;
4) Accountability;
5) In-use;
6) Storage;
7) Reproduction;
8) Transmission;
9) Receipt; and
10) Destruction.

The CMPC Program shall specify the requirements for the protection and control of classified information and shall be commensurate with its classification level, category, and caveats (if applicable). All pertinent attributes shall be used to determine the degree

of protection and control required to prevent unauthorized access to classified information. All procedures utilized to protect classified information shall be documented in the Paducah Site Security Plan. The Contractor shall ensure classified information is protected in a manner such that authorized access to classified information requires the appropriate clearance, relevant access approval, and the need to know. The procedures/plans shall implement the requirement for methods to deter, detect, respond to, and mitigate unauthorized access to classified information.

The Contractor shall develop CMPC Custodian Briefings and General Briefings to ensure that personnel are trained to a level of proficiency and competence that ensures they are qualified to perform assigned S&S tasks and/or responsibilities (see Section J, Attachment J-4, List of Deliverables).

The Contractor shall establish and maintain a classified mailing address and a classified shipping address.

C.3.3.4.5.1.1 Transportation Security Plans. The Contractor shall evaluate, design, establish, and maintain the security requirements for packaging, marking, mailing, and shipping classified materials and/or UCI as prescribed by the current DOE Directives.

C.3.3.4.5.1.1.1 Transportation Security Plan(s) for Unclassified Controlled Information and/or Classified Matter. The Contractor shall develop and obtain approval from the ODFSA of Transportation Security Plan(s) (see Section J, Attachment J-4, List of Deliverables) for the offsite shipment of UCI and/or classified matter that may contain category IV quantities of SNM. The plan shall be submitted to the Government for approval within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The Contractor shall establish a method for tracking shipments beginning at departure and ending at the arrival of the destination for disposition of the UCI and/or classified matter. The Transportation Security Plan(s) shall describe and document the strategy for securing and tracking the shipment of gaseous diffusion process equipment components, work for others material and material containing UCI and/or classified matter being shipped from the Paducah Site to an offsite long-term disposal facility approved by DOE. The plan shall address the requirements for common carrier trucks, the driver(s), and clearance (if required). The plan shall address the physical preparation, packaging and the transport of the matter. Implementation of the security plan(s) and shipment tracking will be the responsibility of the Deactivation contractor, who will be a concurrence signature on the Transportation Security Plan(s).

C.3.3.5 PERSONNEL SECURITY (PERSEC)

The Contractor shall provide the following Personnel Security support at the Paducah Site under the cognizance of the appropriate ODFSA Personnel Security Office:

1) Facilitate clearance processing in accordance with DOE O 472.2, *"Personnel Security;"*
2) Personnel security program support; and
3) Visitor control and badging.

The visitor control and badging shall include support to Personal Identity Verification (PIV) activities and clearance processing, which includes the submittal of drug test verification/results provided to the Contractor by the respective Human Resource Organizations from each Paducah Site DOE contractor (non-Federal personnel). The inclusion of the drug test verification paperwork is performed for potential new hires that require an initial clearance or a reinstatement of their security clearance. The Contractor shall provide badging services for DOE, other Paducah Site contractors, and DOE-authorized individuals in accordance with DOE O 473.3, *"Protection Program Operations,"* and DOE O 206.2, *"Identity, Credential, and Access Management (ICAM),"* which are the Departmental implementing directives for HSPD-12.

The Contractor coordinates the random drug testing for all prime contractors on site other than the DUF6 project and DOE.

C.3.3.5.1 Access Authorization

The Contractor shall establish, implement, and maintain a Personnel Security Program Plan and Procedure (see Section J, Attachment J-4, List of Deliverables). The program plan shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The procedure shall apply to DOE prime contractors, other Paducah Site contractors, subcontractors, and all others having official business at the Paducah Site. The procedure shall describe the individual employee's Personnel Security responsibilities and requirements.

The Contractor shall provide compliant, accurate and timely processing of DOE security clearance requests, withdrawals, waivers, terminations, suspensions, denials, upgrades, downgrades, re-certifications, and reinvestigations through the established channels to the ODFSA for finalization. The Contractor shall notify the ODFSA of any of the following conditions affecting the status of an applicant's or employee's security clearance. All notifications listed below must be made within two (2) working days followed by written confirmation within the next ten (10) working days, and shall include:

1) When an applicant declines an offer of employment or fails to report for duty;
2) When made aware of any other information of a personnel security interest, as listed below, concerning an applicant or employee;
    a) Legal action effected for a name change;
    b) Change in citizenship;
    c) Any use of an illegal drug, or use of a legal drug in a manner that deviates from approved medical direction;
    d) Any arrests, criminal charges (including charges that are dismissed), citations, tickets, summons or detentions by Federal, State, or other law enforcement authorities for violations of law within or outside of the U.S. Traffic violations for

which a fine of up to $300 was imposed need not be reported, unless the violation was alcohol- or drug-related;
   e) An immediate family member assuming residence in a sensitive country;
   f) Hospitalization for mental health reasons or treatment for drug or alcohol abuse;
   g) Employment by, representation of, or other business-related association with a foreign or foreign-owned interest or non-U.S. citizen or other individual who is both a U.S. citizen and a citizen of a foreign country;
   h) Personal or business-related filing for bankruptcy; or
   i) Garnishment of wages.
3) When the Contractor restricts or withdraws an employee's access to classified information or SNM without DOE direction;
4) When made aware of the death of an applicant or employee; or
5) When a cleared employee is transferred to another location [minimally, this will apply when an employee's security clearance moves to the jurisdiction of another Cognizant Personnel Security Office (CPSO)].

The Contractor shall inform applicants and employees who are applying for or in possession of a security clearance that they have a specific obligation to truthfully provide all information requested for personnel security purposes to DOE. This includes, but is not limited to:

1) Provide full, frank and truthful answers to relevant and material questions.
2) Furnish, or authorize others to furnish if necessary, information that DOE deems necessary to the security clearance eligibility process, when requested.
3) Report any situations or incidents that may have the tendency to impact the individual's eligibility for a security clearance (as stated in DOE O 472.2, *"Personnel Security,"* Attachment 4) verbally and directly to DOE immediately upon the individual becoming aware of the situation or incident and in no event later than two (2) working days after the event.
4) Notify DOE whenever they learn of the presence of any such situations or incidents with regard to anyone they know to possess a DOE security clearance or to be in the process of obtaining a DOE security clearance immediately upon the individual becoming aware of the situation or incident and in no event later than two (2) working days after the event.
5) Provide DOE a completed DOE F 5631.34, Data Report on Spouse/Cohabitant, within 45 calendar days of marriage or cohabitation.
6) Report foreign travel in accordance with the contractor requirements document to DOE O 475.1, *"Counterintelligence Program,"* or any successor directive.
7) If approached by any individual seeking unauthorized access to classified information or SNM, or who experience any other potentially counterintelligence related incidents, must report such information in accordance with the contractor requirements document to DOE O 475.1, *"Counterintelligence Program,"* Attachment 2.

The Contractor must request that the ODFSA administratively withdraw an employee's security clearance, and must provide the ODFSA a DOE F 5631.29, Security Termination Statement, completed by the employee, within two (2) working days from any of the following:

1) Termination of the employee (except as provided for in section 9 of the contractor requirements document to DOE O 472.2, *"Personnel Security"*).
2) A determination that a security clearance is no longer required.
3) The individual's failure or refusal to cooperate with authorized and appropriate personnel security-related requests.
4) If an individual's circumstances will temporarily eliminate the need for access to classified information or SNM for 90 calendar days or more (temporary change of duties, maternity or other extended leave, detail to another agency, military deployment, etc.) In such instances, the Contractor may request the CPSO to waive this withdrawal requirement should the details of a particular case indicate such action would be prudent.

The Contractor shall establish written procedures which shall include the following requirements for the protection of security clearance request information:

Designating responsible employees who are trained in the procedures for reviewing completed security forms before their submission to DOE; informing all employees with access to completed security forms, pre-employment or pre-processing check information and other security clearance-related information of their responsibility to protect the information from unauthorized disclosure; ensuring individuals have the opportunity to complete and submit all forms or other data collections required during the security clearance process in private; advising that employees' security forms will be reviewed only by designated employees and information will be used for any other purpose within the company; and informing whether the Contractor maintains copies of the employees' forms, how the forms are protected, and how the employee can obtain copies of their forms if needed. The Contractor shall designate in writing an employee(s) to review such forms. The Contractor shall utilize designated employee(s) to provide assistance in completion of any forms. The Contractor shall maintain personnel security records in accordance with the DOE Directives.

The Contractor shall ensure that all cleared employees and any other employees involved in personnel security activities must be fully qualified as necessary relative to their particular duties and responsibilities, in accordance with national and Departmental requirements.

C.3.3.5.2 Control of Classified Visits

The Contractor shall develop and implement a program to address the requirements for classified visits in accordance to DOE O 470.4B, *"Safeguards and Security Program,"* Attachment 3, Section 4. The Contractor shall protect classified information and matter by ensuring that only persons with the appropriate security clearances, need-to-know, and programmatic authorizations are afforded access during visits where the release or exchange

of such information is involved. The Contractor shall control classified visits ensures that access to classified information by cleared U.S. citizens or individuals from foreign governments visiting DOE facilities is controlled in accordance with national laws and regulations, international treaties and agreements, and DOE Directives. The Contractor shall be responsible for ensuring that the classified visits program at facilities under their cognizance are performed in accordance to the procedures applicable to classified visits, which shall be documented in facility or site security plans.

C.3.3.5.3 Safeguards and Security Awareness

The Contractor shall develop, implement and maintain the S&S Awareness Program for all contractors and subcontractors at the Paducah Site (see Section J, Attachment J-4, List of Deliverables). The program shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The Contractor shall implement and maintain the S&S Awareness Program in accordance with the requirements of DOE O 470.4B, *"Safeguards and Security Program."* The safeguards and security awareness program shall communicate personal security responsibilities to all individuals at the Paducah Site. For individuals granted access to classified information or matter, or SNM, the security awareness program shall provide the means to instruct these individuals in their duties and responsibilities related to the access while afforded to them, and shall reiterate those duties and responsibilities upon termination of access. The program shall provide supplementary awareness activities that continuously reinforce good security practices.

The Contractor shall ensure that the procedures applicable to the security awareness program are documented in facility or site security plans. The Contractor shall ensure that:

1) If security briefings are conducted through electronic means, a method exists to ascertain and verify that the individual completes all required content prior to receiving credit for the briefing;
2) All individuals granted DOE security clearances (access authorizations) execute a SF 312, Classified Information Nondisclosure Agreement, prior to being granted access to classified information or matter, or SNM;
3) Non-DOE personnel granted unescorted access to a facility or site security area receive appropriate awareness information (e.g., information on prohibited and controlled articles);
4) Supplemental awareness materials intended to make personnel aware of their security responsibilities and tailored to local facility/site conditions and issues and appropriate for both cleared and non-cleared employees and visitors are developed and issued;
5) Executed SF 312 forms and other records related to the security awareness program are maintained in accordance with Information Security Oversight Office (ISOO) and DOE records requirements;
6) Individuals are appropriately authorized to witness and accept the SF 312 on behalf of the United States and that such designations of authority are documented in the current facility/site security plan; and

7) Administrative actions to be taken when it is determined that individuals fail to complete the requirement for annual refresher briefings.

The Contractor shall plan, conduct, and record the following briefings in accordance with the Paducah Site (or applicable facility) security requirements:

1) Initial Security Awareness Briefing(s)
2) Paducah Site Specific Security Awareness Briefing(s)
3) Comprehensive Briefing(s)
4) Refresher Briefing(s)
5) Security Clearance Termination Briefing(s)
6) Supplemental Security Awareness Briefing(s)

C.3.3.6 MATERIAL CONTROL AND ACCOUNTABILITY

As the ODSA, the Contractor shall perform assessments and/or surveillances of the custodial contractors (Remediation contractor, Deactivation contractor, and DUF_6 contractor) to ensure compliance with site S&S plans, procedures and protocols which shall have established accountability and physical protection programs including, for affected contractors, a plan for Category IV (but not Category III) quantities of SNM.

C.3.3.7 FOREIGN VISITS AND ASSIGNMENTS (FVAs)

The Contractor shall develop an FVA Program that shall establish and implement the requirements for contractors that involve foreign national access to DOE-owned or leased sites, information, technologies, or equipment (see Section J, Attachment J-4, List of Deliverables). The program shall be submitted to the Government for information within 90 calendar days of the NTP, and updated annually thereafter or when significant changes occur. The Contractor shall implement and maintain the FVA Program in accordance with the requirements of DOE O 142.3A, *"Unclassified Foreign Visits and Assignment Program."* The FVA Program and/or procedure shall describe:

1) The approval process for foreign national visits and assignments;
2) Reviews of foreign national access requests to ensure that unauthorized access is denied; and
3) A process for documenting and tracking visits and assignments by foreign nationals to the Paducah Site, and for visits at any location that involves discussion of information or technologies, or sensitive subjects. The Contractor shall flow down the requirements of DOE O 142.3A, *"Unclassified Foreign Visits and Assignment Program"* to subcontractors at any tier to the extent necessary to ensure subcontractor compliance with the requirements.

The Contractor shall coordinate all DOE and contractor visitor requests for access to the Paducah Site, including FVA's.

FVA's shall be covered by the approved SSP that addresses risk and sensitivity factors including:

1) Security area type to be accessed;
2) Determination of whether sensitive subjects will be shared; and
3) Affiliation with sensitive countries or countries identified as state sponsors of terrorism.

Additionally, visit specific security plans shall be developed.

C.3.4 COMPUTING, TELECOMMUNICATION, AND CYBER SECURITY

The Contractor shall provide PGDP technical support to include:

1) An interchange of information on technical parameters and capabilities of the Computing and Telecommunication systems;
2) Location and identification of building terminals and communication rooms; and
3) Verification of cable record information as directed by the Government. The Contractor shall maintain documentation for all assigned systems.

These efforts include setting of equipment options to determine proper operational conditions; restoration of service to existing equipment; establishment of service to new facilities; establishment of service for existing facilities under renovation; transfer from one system to another system; and support of hardware and software upgrades.

C.3.4.1 CYBER SECURITY

C.3.4.1.1 General

The Contractor shall provide Cyber Security services for itself and other DOE-authorized users, primarily the Deactivation contractor and its subcontractors. The Cyber Security services for the ETS contractor, DOE and DUF_6 are provided by others. The Contractor shall ensure safe, efficient, timely and effective implementation of cyber security requirements.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) A detailed report of Cyber Security Incidents; and
2) A detailed report of all controlled article passes issued.

C.3.4.1.2 Requirements

The Contractor shall comply with the Cyber Security requirements as specified in DOE O 205.1B, *"Department of Energy Cyber Security Program,"* the applicable DOE Risk Management Approach Implementation Plan (RMAIP), all current versions of applicable NIST Special Publications (SP) and the Committee on National Security Systems (CNSS) 1253.

C.3.4.1.3 System Security Plan

The Contractor shall develop, implement and maintain a System Security Plan (see Section J, Attachment J-4, List of Deliverables) consistent with the SSP, to be coordinated with the Deactivation contractor and its subcontractors. The Contractor shall update the System Security Plan annually thereafter. The System Security Plan shall be submitted to the Government for approval within 40 calendar days of the NTP. The Contractor shall develop, implement and maintain an effective assurance system, system development lifecycle plan, incident handling plan, and other plans as detailed in DOE O 205.1B, *"Department of Energy Cyber Security Program"* (see Section J, Attachment J-4, List of Deliverables). The Contractor shall complete a 100% Cyber Security self-assessment annually (see Section J, Attachment J-4, List of Deliverables) based on the current revision of NIST SP 800-53.

C.3.4.1.4 Subcontracts
The Contractor shall ensure that all Cyber Security requirements are flowed down to all subcontracts supporting this Contract, including the handling of sensitive information to include PII, protecting information and information systems from unauthorized access, and reporting any significant attempts or successful intrusions into these systems by unauthorized individuals.

C.3.4.1.5 Clearances
Cyber Security personnel and privileged users such as systems administrators may be required to obtain a DOE Q clearance under this Contract. All Cyber Security and Information Technology (IT) personnel who have Incident Response (IR) and Contingency Planning (CP) responsibilities shall have a DOE Q clearance. Section J, Attachment J-8.C.2.1, "***Historical Listing of Positions Requiring Clearances,***" provides a listing of positions that have required clearances under prior contracts.

C.3.4.1.6 Cyber Threats
The Contractor shall be proactive regarding cyber threats, and systems shall be protected based on evolving threats in accordance with the Federal Information Systems Management Act (FISMA). The FISMA requires all IT systems be Authorized to Operate (ATO). The Contractor shall obtain an approved ATO designation from the DOE Delegated Federal Authorizing Official (AO) to operate the General Support System for the Paducah Site (see Section J, Attachment J-4, List of Deliverables). Only the AO has the ability to grant an ATO or a Denial of Authorization to Operate (DATO) for any system operated by the Contractor on behalf of DOE-EM. The IT systems covered under this Contract shall operate in accordance with all terms and conditions specified in the ATO and shall not operate if a DATO has been issued. If an AO issues a DATO, all costs associated with any mission delay shall be the responsibility of the Contractor.

C.3.4.1.7 Applications
All applications purchased or developed to support the mission under this Contract shall be able to run on mandatory IT baseline security configurations without any deviations. Legacy applications shall deploy compensating controls as long as they are implemented and shall be replaced as soon as feasible as determined by the AO. The Contractor shall use federally available enterprise applications and licenses, if they exist, prior to purchasing or developing

custom products to implement the Contract. This includes enterprise solutions to provide cyber security.

C.3.4.2 TELECOMMUNICATIONS AND RADIO COMMUNICATIONS

C.3.4.2.1 General

The Contractor shall provide all personnel, equipment, tools, materials, supervision and other items and services necessary to provide reliable and secure telecommunications and networked voice, video and data services, Mobile Device Management, pager, and radio communications for the Paducah Site. The Contractor's computing and telecommunications systems shall be compatible with the computing and telecommunications systems utilized by DOE. See Section J, Attachment J-8.C.3.4.1, "***Information Technology Service Matrix.***"

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include a detailed report of voicemail usage (mailboxes, used space, free space).

C.3.4.2.2 Requirements

The Contractor shall perform services to ensure the Paducah Site telecommunications system and radio system are available 24 hours per day, 7 days per week. The telephone system consists of the Administration/private branch exchange (PBX), private automatic exchange (PAX), and Red Phone telephone systems and all associated equipment. The Contractor shall provide landline, dataline (see Section C.3.4.3.2, Computer Services), voice messaging, video/web conferencing services to DOE and site contractors (except DUF_6).

C.3.4.2.3 Mobile Devices

The Contractor shall provide Mobile Device Management (MDM) services for itself and other DOE-authorized users, primarily the Deactivation contractor and its subcontractors, consistent with the Attachment J-8.C.3.4.1, "***Information Technology Service Matrix.***" The Contractor is responsible for providing its own devices such as cell phones, smartphones, and Blackberries to the MDM service.

C.3.4.2.4 Radio

The Contractor shall maintain the Federal Communications Commission (FCC) radio frequency license, tower, transmission, and radio repair/replacement services. All services will be supplied consistent with the Attachment J-8.C.3.4.1, "***Information Technology Service Matrix.***" Narrow band frequency radios shall be supplied by the user contractor. Radio services shall include engineering, maintenance and operations of radio communication services, including two-way, fire dispatch, safety and emergency preparedness, security systems and infrastructure. The Contractor shall manage radio services, including radio spectrum licensing and design, engineering integration, operations and maintenance, installation, upgrade and required system calibration services. The Contractor shall maintain registration of radio frequencies with the National Telecommunications and Information Administration.

C.3.4.2.5 Emergency Notification Service

The Contractor shall provide reliable electronic notification service to individual personnel associated with the PGDP emergency response organizations through the existing system.

C.3.4.2.6 Site Telephone System
The Contractor shall operate and maintain the Paducah Site telephone switching system(s), transmission equipment, and ancillary equipment in a serviceable condition, or restore it to a serviceable condition to include preventative maintenance, purchasing of parts, inspection, periodic testing, adjustment, repair, and other routine work to optimize the life expectancy of the equipment and systems. The Contractor shall perform operations and maintenance in accordance with the Original Equipment Manufacturers' technical manuals and specifications, applicable federal, state, and local regulations, and DOE Directives.

C.3.4.2.7 User Services
The Contractor shall perform maintenance and repair of all installed data/communication lines up to and including the end user receptacle (jack or port). The Contractor is also responsible for moving office phone numbers. The end user (i.e., Deactivation contractor and its subcontractors) will be responsible for providing the peripheral equipment related to the telephone system for its own personnel (e.g., telephones, headsets, add-on accessories). The Deactivation contractor shall install any additional data/communication lines and ports necessary to support its own activities if a sufficient number of ports are not available in the work location.

C.3.4.2.8 Service Outages
The Contractor shall coordinate with the Contracting Officer's Representative (COR) and site users the need for any scheduled service outages. Such outages shall be scheduled to minimize inconvenience to users, based upon Government user work schedules. The Contractor shall provide 72 hours advance notice prior to scheduled outages and the notification shall include the reason for the interruption, duration, start and stop times, and the equipment, lines, and buildings affected. Emergency outages shall be coordinated with all end users.

C.3.4.2.9 Emergencies
The Contractor shall respond in case of emergencies, outages, alerts and exercises, 24 hours per day, 7 days per week. The Contractor shall provide services as necessary until the emergency, outage, alert, or exercise is completed.

C.3.4.2.10 Restoration
The Contractor shall submit for DOE approval a Restoration Priority List (see Section J, Attachment J-4, List of Deliverables) within 120 calendar days of the NTP.

The Contractor shall respond on site and initiate repair actions within the response times designated below, from the time of discovery of a problem. The Contractor shall restore services in accordance with the approved Restoration Priority List, unless otherwise directed by the Government. The Contractor shall work on repair actions until all service is restored. Outages and designated response times are defined as follows:

1) Emergency Outage. On-site response is required within one (1) hour. If an outage significantly affects a mission, the Government may declare the outage as Emergency. Emergency outages are classified as a loss of over 75% or more of total call handling capability of any communications system. Outages impacting emergency response capability will be addressed immediately.
2) Priority Outage. On-site response is required within four (4) hours. Priority outages are classified as a loss of over 25% or more of total call handling capability of any communications system; loss of telephone circuits; total loss of telephone service within a building/facility.
3) Routine Outage. On-site response is required within twelve (12) hours. Includes outages not otherwise categorized as Emergency or Priority.

C.3.4.2.11 System Changes
The Contractor shall interface with end users on system changes. The Contractor shall review work packages and design/configuration plans for system changes/alterations developed by others to maintain compatibility with all Paducah Site services and systems.

C.3.4.2.12 New Installations
New installation of telecommunications wiring in facilities will be acquired through Section C.5.0 of this Contract, or via other procurement means.

C.3.4.2.13 Voice Mail
The Contractor shall provide voice mail operations to DOE and site contractors. This includes management and administration for multiple customers, additions, deletions, modifications, user support, diagnostic, maintenance, programming changes, and remote access to voice-messaging service.

C.3.4.3 IT SUPPORT AND SERVICES

C.3.4.3.1 Print, Scan, and Copy Services

C.3.4.3.1.1 General. The Contractor shall provide, for DOE personnel and the ETS contractor, equipment, professional and technical services to ensure continuous copier, printer, and scanner operation for identified facilities (Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History***") and consistent with Attachment J-8.C.3.4.1, "***Information Technology Service Matrix.***"

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include a detailed report of copier, printer and scanner page and consumables usage.

C.3.4.3.1.2 Requirement. The Contractor shall provide two copiers/printers/fax/scanner to Bldg. C-103, including maintenance, repair, toner, parts, etc., equivalent to the existing leased units [i.e., Canon Models IRC2230 (up to 2,500 black/white and 500 color copies per month) and IR6255 (up to 10,000 black/white copies per month)].

The Contractor shall provide for equipment purchase or lease, maintenance, parts replacement, and toner. The Contractor shall provide unlimited service calls within the normal work day and shall respond within four (4) business hours after the Government places a service request by phone. The end user is responsible for providing and loading other consumables into the equipment (e.g., paper, staples, etc.).

C.3.4.3.2 Computer Services

C.3.4.3.2.1 General. The Contractor shall provide labor, management, supervision, tools, material, and network equipment necessary to perform IT support and management services at Paducah Site. The Contractor shall provide personnel with the qualifications, technical knowledge, experience and skills required for efficient operation of IT support and management services. The Contractor's computing and telecommunications systems shall be compatible with the computing and telecommunications systems utilized by DOE. The Contractor shall review additional system extensions/additions and/or services proposed to be implemented by the Deactivation contractor, or other DOE-authorized users, in order to ensure that system configuration and compatibility with all Paducah Site IT services and systems is maintained. Refer to Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History.***"

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) A detailed report of Helpdesk Tickets (open, closed, average response time); and
2) A detailed report of site software and system licenses.

C.3.4.3.2.2 Requirements. The Contractor shall provide IT support and management services to ensure IT requirements are met through effective utilization of intranet, enterprise applications, and local systems and applications in a secure environment with minimal interruptions. IT support and management services performed under this Contract shall be provided to maintain availability of systems, applications, and data.

C.3.4.3.2.3 Intranet. The Contractor shall provide intranet management and support services to ensure functional requirements of network users are met through effective utilization of resources and available IT facilities. Refer to Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History."***

C.3.4.3.2.4 Hardware. The Contractor shall perform maintenance and repair of all installed data/communication lines, including switches or routers, up to and including the end users receptacle (jack). The Contractor shall not provide local user equipment and/or replacement (computers, monitors, printers) or specialty software to network users with the exception of its own personnel, consistent with Attachment J-8.C.3.4.1, "***Information Technology Service Matrix***" and Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History."*** The end user (Deactivation contractor and other DOE-authorized end users) are responsible for procurement of

computers and associated hardware and specialty software for its personnel and subcontractors. Additionally, the Deactivation contractor shall install any additional data/communication lines and ports necessary to support its own activities if a sufficient number of ports are not available in the work location. If additional facilities are used to house personnel (e.g., trailers, new construction, renovations), the Deactivation contractor is responsible to install data/communication lines.

C.3.4.3.2.5 Work Packages. The Contractor shall interface with other site contractors to maintain compatibility with all Paducah Site services and systems. The Contractor shall review and approve work packages and design/configuration plans for system changes/alterations developed by the other site contractors. The Contractor shall perform needed risk assessments involved in changes/alterations performed by other site contractors, consistent with Section C.3.4.1, Cyber Security.

C.3.4.3.2.6 Network File Storage. The Contractor shall provide and manage network file storage to ensure sufficient capacities are allocated to user organizations. Refer to Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History.***"

C.3.4.3.2.7 Maintenance and Upgrades. The Contractor shall maintain the Local Area Networks (LANs) and Wireless Local Area Networks (WLANs) as stand-alone systems in accordance with the Original Equipment Manufacturers' technical manuals and specifications, applicable federal, state, and local laws and regulations, and DOE Directives. The Contractor shall provide basic operating software for usage of the LANs and WLANs.

The LANs and WLANs shall be available for use by the Contractor, the Deactivation contractor, and other DOE-authorized end users, including maintaining secure remote access capability for Paducah users. The LANs and WLANs shall be configured to allow separation of multiple users. The LAN and WLAN support includes operation, maintenance, data backups, repairs and upgrades to the LAN and WLAN systems and components as necessary to provide reliable and ongoing connectivity.

The Contractor shall evaluate and recommend to the Government major upgrades required to the LAN and WLAN.

C.3.4.3.2.8 Application Deployment Services. The Contractor shall provide users listed in Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History***" with enterprise IT application deployment services to ensure applications can be effectively utilized. The Contractor shall support designated application users to ensure deployed enterprise IT applications are usable and technical assistance is provided in a timely manner. The Contractor shall provide technical assistance to designated application users when requested to resolve all network, system, and equipment issues associated with the local utilization of deployed enterprise applications. Technical assistance includes, but is not limited to, adjusting settings and

configuration of workstations, verifying database connectivity, and checking connection and settings of peripheral equipment. The Contractor shall assist users to resolve encountered errors related to user input, data, and execution process, and respond to assistance requests from customers. Network users will be responsible for purchase of local computer hardware.

C.3.4.3.2.9 Outages and Interruptions. The Contractor shall perform maintenance to ensure local systems and applications operate properly and interruptions are minimized. The Contractor shall provide 72 hours advance notice, including estimated downtime, to client organizations prior to performing scheduled system maintenance that would interrupt the availability of systems or applications. Emergency outages shall be coordinated with end users.

C.3.4.3.2.10 Help Desk. The Contractor shall operate a help desk to ensure operational issues of local systems and applications are responded to and properly resolved. The Contractor shall assist individual users to resolve local system and application operational related issues that include, but are not limited to, hardware and software related issues, system connections, and system configurations. The Contractor shall resolve all operational issues in a manner that would cause minimal interruptions to the availability of local systems and applications. The Contractor shall provide a designated phone line to accept assistance requests during normal hours of operation as established in Section F.5, and provide the capability to provide assistance outside of these hours within three hours of being notified.

C.3.4.3.2.11 Portfolio Management Services. The Contractor shall provide application portfolio management services to ensure efficient and appropriate utilization of applications and their licenses. The Contractor shall provide core software to all users consistent with to Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History.***" The Contractor shall manage application licenses to ensure license reviews are completed in a timely manner and licenses are utilized appropriately. The Contractor shall conduct annual license reviews of all applications' usage and corresponding terms in the licensing agreements to identify license deficiencies and excesses. Licenses procured shall be transferable to DOE or the successor contractor. The Contractor shall report all licensing agreement violations to the Government immediately upon discovery. Refer to Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History.***"

C.3.4.3.2.12 Service Support. The Contractor shall provide service support including unpacking, installation, testing, removal of personal computers (PCs) and related components; software installation, removal, or upgrades as necessary; ensuring operability between PCs and peripheral devices, the LAN, the WLAN and the Wide Area Network (WAN); and providing personal interface in assessing user needs through personal visits and telephone.

C.3.4.3.2.13 DOE Site Network. The Contractor shall provide all basic support to the DOE site network (which includes the ETS contractor). This basic support includes unpacking, installation, testing, and removal of PCs, printers, copiers and all associated consumables and related components; wiring; moving; and basic hands-on support. The Contractor shall coordinate this work with the PPPO Federal Help Desk

C.3.4.3.2.14 Remote Systems. The Contractor shall establish and maintain the capability to access and utilize all remote DOE systems or databases in use at the PGDP. Remote DOE systems and databases include: CAIRS; Non-Compliance Tracking System (NTS) database; ORPS; Foreign Access Central Tracking System (FACTS) database; Facilities Information Management System (FIMS); Condition Assessment Information System (CAIS); Federal Telephone System Access; and EM's Integrated Planning, Accountability, and Budget System (IPABS); Automated Transportation Management System (ATMS).

C.3.5 OPERATIONS AND MANAGEMENT OF ASSETS

C.3.5.1 PROPERTY MANAGEMENT SERVICES

C.3.5.1.1 Real Property Services

C.3.5.1.1.1 DOE Support. The Contractor shall provide all requested informational support (see Section J, Attachment J-4, List of Deliverables) to the DOE Certified Realty Specialist in furtherance of site real estate activities. Such support may include due diligence in leasing and disposal, managing real estate processes, property and facility management and space planning.

C.3.5.1.1.2 Relocation Services. The Contractor shall provide intra-site/inter-site office relocation of Paducah Site personnel for DOE and other site contractors (office furnishings and equipment to include but not limited to coordination with site services, e.g., office set-ups, phone, computer, office key, janitorial services, etc.). The Contractor shall relocate (move) 25 personnel annually.

In addition to relocation services, the Contractor shall provide 240 direct labor hours annually for minor and miscellaneous furniture moving and fixture installation, removal or adjustment (e.g., hanging a white board, installing a keyboard tray under a desk, replacing a bookcase or file cabinet). The Contractor shall schedule these activities in accordance with C.3.5.2.2.1 of this Contract.

Relocation Services for the Contractor’s personnel is addressed in C.2.5.1, Real Property Services.

C.3.5.1.1.3 Facilities Information Management System. The Contractor shall be the PGDP’s central coordinating organization for the FIMS. The Contractor shall coordinate with other DOE contractors at the Paducah Site to maintain and input data to the FIMS

database in accordance with DOE O 430.1B, *"Real Property Asset Management,"* and annual guidance provided by DOE. The FIMS database currently contains approximately 160 data elements for approximately 900 buildings, trailers, other structures and facilities (OSF's), land and leases.

C.3.5.1.1.4 Ten Year Site Plans (TYSP). The Contractor shall coordinate with all site contractors to prepare the annual PGDP TYSP (see Section J, Attachment J-4, List of Deliverables) in accordance with DOE O 430.1B, *"Real Property Asset Management."* The Contractor shall be responsible for the overall integration and submission of TYSP for all site contractors, to include the Site Sustainability Plan in accordance with DOE O 436.1, *"Departmental Sustainability."*

C.3.5.1.2 Personal Property

The Contractor shall coordinate and provide disposition support for Government owned personal property determined to be excess for all PGDP site contractors and DOE operations in accordance with DOE O 580.1A, *"Department of Energy Personal Property Management Program,"* DOE O 458.1, "*Radiation Protection of the Public and Environment*" and additionally, when applicable, the following will apply:

1) The Contractor shall disposition classified equipment and material in accordance with the requirements of 41 CFR § 109-45.309-52 and DOE O 471.6, *"Information Security."*
2) The Contractor shall identify control and disposition high-risk property in accordance with the DOE Personal Property Letter 970-3, Revision 1, dated February 3, 1998.
3) The Contractor shall disposition nuclear-related or proliferation sensitive property in accordance with the requirements of 41 CFR § 109-45.309-53.

The Contractor shall interface with the Paducah Area Community Reuse Organization (PACRO) to transfer eligible excess personal property per the PACRO/DOE Property Transition Agreement.

C.3.5.1.3 Fleet Management Services

The Contractor shall coordinate with the other site contractors to provide:

1) Site-wide, statistical usage tracking, and reporting on GSA leased vehicles and DOE-owned vehicles/equipment.
2) Pick-up, transportation and return of GSA vehicles to/from a GSA approved vendor for maintenance and repairs.
3) Notification and coordination of required maintenance to GSA vehicle lessee, e.g. other site contractors and DOE.
4) Access and use of a maintained and operable vehicle (i.e., Asset ID E112427 as shown in Section J, Attachment J-3, Paducah Infrastructure Accountable Property List).

The current vehicle information is provided in Section J, Attachment J-8.C.3.5.1.3, ***"Fleet Vehicles."***

C.3.5.2 MAINTENANCE MANAGEMENT

C.3.5.2.1 General

The Contractor shall provide all maintenance necessary to ensure safe and cost effective operation of facilities and equipment in order to meet current and future mission requirements utilizing best practices. This section, C.3.5.2 Maintenance Management, is applicable to sections C.3.5.3 through C.3.5.9 in this Contract.

The Contractor shall manage the total work effort associated with the maintenance required for all designated property to meet the performance objectives and standards as described in sections C.3.5.3 through C.3.5.9 in this Contract. Such management shall include planning, scheduling, report preparation, establishing and maintaining records, and quality assurance.

The Contractor shall divide all maintenance efforts into two levels. LEVEL I is Scheduled Maintenance and LEVEL II is Unscheduled Maintenance as described in sections C.3.5.3 through C.3.5.9 in this Contract.

The Contractor shall implement all necessary work control procedures to ensure fully adequate and timely completion of work requirements/maintenance (scheduled or unscheduled). The Contractor shall plan and schedule maintenance to ensure material, labor, and equipment are available to complete requirements within the scheduled durations or for LEVEL II work in accordance with C.3.5.2.3 LEVEL II Maintenance Priority Categories.

C.3.5.2.2 Maintenance Levels

C.3.5.2.2.1 LEVEL I Maintenance or Service. Scheduled Maintenance or Service includes any activity or service that can be planned to include Predictive Maintenance, Preventative Maintenance (PM), Inspections, and Services that can be foreseeably, either routinely or regularly, scheduled or planned as further described in sections C.3.5.3 through C.3.5.9. The Contractor has full responsibility for all LEVEL I maintenance or service costs.

C.3.5.2.2.2 LEVEL II Maintenance or Service. Unscheduled Activity (Maintenance or Service) includes, but is not limited to, any activity or service required that was not scheduled or planned and that cannot foreseeably be scheduled or planned such as corrective maintenance repair, improvement or special events.

The Contractor has full responsibility for any LEVEL II maintenance work up to the limit of liability of 80 direct labor hours or $2,500 in direct material cost per maintenance activity, piece of equipment, or service call. The direct labor hour limit of liability is restricted to the cumulative direct labor hours for craft personnel (e.g., carpenters, electricians, masons, laborers, plumbers, heating ventilation and air conditioning

(HVAC) technicians, sheet metal workers, painters) in the performance of work in place. Labor hours attributable to support areas such as administration, supervision, work planning, quality assurance, waste management, oversight, etc., are not included within the direct labor hour limit of liability.

The Contractor shall notify the Government upon identification that the LEVEL II maintenance work will exceed the limit of liability. If a task order is issued for repairs, the Government will only pay for the portion of direct labor hours and/or direct material cost that exceeds the limit of liability.

Multiple repair requirements received for the same trade in the same building or structure at the same time may be combined into one service call for the convenience of the Contractor as long as the limit of liability is not exceeded.

Examples of LEVEL II service work that exceeds the limit of liability:

1) If a service call requires 81 direct labor hours and $2,500 in direct material cost, the Government may issue a task order in accordance with the IDIQ portion of the contract for the one direct labor hour that exceeds the limit of liability.

2) If a service call requires 80 direct labor hours and $2,600 in direct material cost, the Government may issue a task order in accordance with the IDIQ portion of the contract for the $100 in direct material cost that exceeds the limit of liability.

3) If a service call requires 81 direct labor hours and $2,600 in direct material cost, the Government may issue a task order in accordance with the IDIQ portion of the contract for the one direct labor hour and $100 in direct material cost that exceeds the limit of liability.

An estimated workload for LEVEL II Service Orders is provided in Section J, Attachment J-8.C.3.5.2.2.2, ***"Estimated Annual Level II Service Order(s)."***

C.3.5.2.3 LEVEL II Maintenance Priority Categories

The Contractor shall utilize the following maintenance categories to classify all LEVEL II maintenance as applicable. The Contractor shall respond to work site time requirements and limitation of maintenance expenditures as required by the applicable priority category for each LEVEL II maintenance activity.

All work over the LEVEL II limit of liability, except for emergency work, must be approved in writing by the Government prior to performance. Any work that is performed by the Contractor without such authority will be at the Contractor's own risk.

For any emergency work which the Contractor expects to exceed the limit of liability, the Contractor shall notify the Government and obtain approval prior to exceeding the limit of liability or, if impractical, at the earliest possible time, not to exceed one (1) business day

from the commencement of work. Failure to adhere to the aforementioned may preclude the Contractor from receiving an equitable adjustment in the contract price for emergency work performed in excess of the limit of liability.

C.3.5.2.3.1 Priority 1 – Emergency. Maintenance required to correct a failure or to arrest any condition which constitutes, or can foreseeably constitute an **immediate** danger to personnel, threaten to damage property, or threaten to disrupt PGDP operations (including security). Priority 1 – Emergency maintenance takes priority over all other work.

The Contractor shall respond within 30 minutes of receipt of notification if during hours of operation or one (1) hour of receipt of notification outside hours of operation, to include weekends and holidays. The Contractor shall continue to work without interruption until the situation is corrected, or the emergent condition is arrested and the maintenance can be reclassified as either urgent or routine, as appropriate, and the corresponding completion time applied. Follow up maintenance shall be considered part of the original service call.

C.3.5.2.3.2 Priority 2 – Urgent. Maintenance required to correct failures which do not immediately threaten personnel, property, or activity missions; but which would soon inconvenience and/or affect the health or well-being of personnel, lead to property damage, or lead to disruptions in operations.

The Contractor shall respond within one (1) hour of receipt of notification if during hours of operation or two (2) hours of receipt of notification outside hours of operation, to include weekends and holidays. The Contractor shall continue to work without interruption until the situation is stabilized, or the urgent condition is arrested and the maintenance can be reclassified as routine, and the corresponding completion time applied. Follow up maintenance shall be considered part of the original service call.

C.3.5.2.3.3 Priority 3 – Routine. Maintenance required correcting failures which cannot be classified as Priority 1 or Priority 2 shall default to Priority 3.

The Contractor shall respond within four (4) business hours of receipt of notification.

C.3.5.2.4 Computerized Maintenance Management System

The Contractor shall fully utilize the computer software program MAXIMO or approved equivalent as their CMMS. The Contractor shall operate and maintain the CMMS. The Contractor shall provide full access to the CMMS to the Government to include any licensing requirements for two individuals. The Contractor shall utilize the CMMS to track all maintenance/services, as either LEVEL I or LEVEL II maintenance category, as appropriate in accordance with the requirements as described throughout section C.3.5. All information entered into the CMMS is considered as government owned for its present and future use and does not contain any limitations on its use.

The Government will define CMMS data element entry requirements within this Contract and revise CMMS data element entry requirements as necessary during Contract performance. The Contractor shall continue to deliver CMMS data element requirements and any future revisions of CMMS data element requirements at no additional cost to the Government.

C.3.5.2.4.1 Scheduled Maintenance. The Contractor shall utilize the CMMS to schedule and track all LEVEL I maintenance to include all activities required to comply with the Contractor's Preventative Maintenance (PM) program. The following information shall be captured for all LEVEL I maintenance in the CMMS upon determination of schedule for PM activities and within 14 days prior to scheduled date for non PM activities. The Contractor shall ensure all PM maintenance requirement dates are in accordance with the PM program.

1) Date of scheduled activity
2) Facility identification
3) Office/Room number of maintenance, if applicable
4) Equipment ID number, if applicable
5) Description of the maintenance required
6) Maintenance Level
7) Labor category
8) Scheduled work hour cost
9) Scheduled material cost

C.3.5.2.4.2 Maintenance Request Reception and Processing. The Contractor shall receive, categorize, prioritize, correspond, and respond to requests for service during normal hours of operation as established in Section F.5, Normal Hours of Operation. The Contractor shall receive, categorize, prioritize, correspond, and respond to service orders after hours. The Contractor shall ensure facility occupants and facility managers of assigned facilities are notified of procedures implemented to notify the Contractor of maintenance service requests.

Service orders for non-emergency work will be accepted only from the facility managers designated by the Government. The Contractor shall obtain concurrence from the Government on Level II Service Orders of other than corrective repair to an asset.

The Contractor shall develop and implement procedures to ensure no less than the following information is captured in the CMMS for each service order received at the time the service order is requested:

1) Date/time the call or service order was received
2) Name, organization and telephone number of requester
3) Location of service work requirement/facility identification
4) Equipment ID number, if applicable
5) Description of the issue or service requested

6) Maintenance Level (LEVEL I or LEVEL II)
7) Priority (Emergency, Urgent, Routine), if LEVEL II
8) Date/time Contractor responded on-site
9) Labor category anticipated
10) Scheduled/anticipated work hour cost
11) Scheduled/anticipated material cost

The status of all assigned and completed service orders shall be made available to the Government upon request (see Section J, Attachment J-4, List of Deliverables).

C.3.5.2.4.3 Completed Maintenance. Within one (1) working day after completion of each activity or service, the Contractor shall add the following information to the work authorization form and return to the Contractor work reception center for CMMS entry and activity closeout:

1) Facility identification number
2) Asset/Component Identification Number
3) Description of work actually completed
4) Brief description of material and parts used, including quantities and direct cost
5) Date and time work began
6) Date and time work was completed
7) Operational checks performed
8) Hours of direct labor (by craft) expended
9) Signature or initials of the Contractor's craftsman performing the work (or supervisor), indicating that the work has been completed
10) Updated drawings attached, linked or referenced (see Section C.3.5.2.4.5)

C.3.5.2.4.4 Call Backs/Rework. The Contractor shall rework all maintenance and repairs completed by the Contractor and found to be unacceptable by the Government within two (2) business days after notification (either verbal or written) by the Government. This rework shall be at no additional cost to the Government. The Contractor shall process the rework in the CMMS as LEVEL I maintenance activity and clearly label the rework as *"CALL BACK"* in both the CMMS and the weekly maintenance report (C.3.5.2.5) and reference original CMMS maintenance entry, utilizing original information (e.g., date and time original work began).

C.3.5.2.4.5 Configuration Management. The Contractor shall redline and update installation drawings and 'as-built' drawings to reflect any changes that result from work performed by the Contractor. Markups of drawings shall be performed within fifteen (15) business days after completion of the work that resulted in the change to the drawing(s). A record of all changes/additions to assigned buildings, structures, and related equipment and systems made by the Contractor shall be provided to records management within 30 calendar days of the completed work. The Contractor shall attach, link or reference the installation drawings and 'as-built' drawings in the CMMS for future reference.

C.3.5.2.5 Reporting and Status Inquiry
The Contractor shall provide the Government a weekly maintenance report detailing all scheduled maintenance activity as described in Section C.3.5 of this Contract (see Section J, Attachment J-4, List of Deliverables). This weekly maintenance report may be made by automated reports generated by the CMMS. The weekly maintenance report shall contain the following:

1) All LEVEL II maintenance activities accomplished from the time of the prior weekly maintenance report to include current status and corrective action, as applicable.
2) All approved LEVEL II maintenance activities to be performed in the following week.
3) All LEVEL I maintenance activities to be performed in the following week.
4) Any missed or delinquent services from the prior week, e.g. preventative maintenance missed, janitorial/custodial cleaning missed, as well as any known deviations to occur in the coming week.

A status report of any item of work (see Section J, Attachment J-4, List of Deliverables), to include all work that has been completed, shall be provided within two hours during normal hours of operation as established in Section F.5, or by 8:00 AM the following work day for inquiries after regular working hours. This update may be made by automated reports generated by the CMMS.

C.3.5.3 MAINTENANCE OF BUILDINGS, STRUCTURES, INSTALLED EQUIPMENT, AND FURNISHINGS

The Contractor shall perform maintenance, repair, replacement, and minor improvements of buildings and structures, related systems, equipment and furnishings in accordance with Contract requirements and applicable DOE Directives for assigned facilities in Section J, Attachment J-8.C.3.0, ***"Listing of Facilities Responsibility Matrix"*** for surveillance and maintenance requirements. This attachment is supplemented by Attachment J-8.C.3.5.3a, ***"Characteristics for Facilities for Surveillance and Maintenance, Others"*** and Attachment J-8.C.3.5.3b, "***Characteristics for Facilities for Surveillance and Maintenance, Assigned.***" Attachment J-8.C.3.5.3a provides building characteristics of facilities occupied by DOE and other site contractors. Attachment J-8.C.3.5.3b lists building characteristics of Government Furnished Facilities for use by the Contractor in performance of this Contract.

The work within this section includes LEVEL I and LEVEL II maintenance as described herein for assigned facilities occupied by others and the Government Furnished Facilities.

A listing of requirements is provided in Attachment J-8.C.3.5.3c, ***"Maintenance Requirements for Buildings, Structures, Installed Equipment, System(s) and Components"*** for planning, scheduling and conducting work under this Contract. This listing shall be applied using a graded approach to maintenance and repair.

C.3.5.3.1 General
The Contractor shall utilize a graded approach to these activities with the Contractor applying the concepts of LEVEL I and LEVEL II work as designated in C.3.5.2.2, Maintenance Levels. Buildings and structures, related systems, or equipment replaced during the life of this Contract become the responsibility of the Contractor to maintain in the installed condition.

The Contractor shall provide new or factory reconditioned parts and components when providing maintenance, repair, and minor improvements as described herein. All replacement units, parts, components and materials to be used in the maintenance, repair, and minor construction of facilities and equipment shall be compatible with that existing equipment on which it is to be used; shall be of equal or better quality than original equipment specifications; shall comply with applicable Government, commercial, or industrial standards. The Contractor may utilize standards adopted by DOE Technical Standards Program as indicated in Section J, Attachment J-8.C.3.5.3.1, "***DOE Technical Standards Program, Appendix B, Non-Government Standards Adopted by DOE"*** or State or local codes, as applicable.

The Contractor shall schedule and perform work so as not to cause interference with normal business operations. In those cases where some interference is unavoidable, the Contractor shall make every effort to minimize the impact of the interference. The Contractor shall notify the building occupants in writing at least two (2) business days in advance of any work to be performed in a facility that will tend to disrupt the conduct of normal business activities. Notification shall include the type of work to be done and the estimated completion date. If the Government determines that scheduled work will result in an unacceptable disruption to normal business operations, the Contractor shall reschedule the work.

When the Contractor completes work on a facility, system, or piece of equipment, that facility, system, or equipment shall be free of missing components or defects which would prevent it from functioning as originally intended and/or designed. Corrective or repair/replacement work shall include operational checks and cleanup of the job site.

C.3.5.3.2 LEVEL I Maintenance for Facilities (Preventative and Scheduled Maintenance/Activities for Facilities)

C.3.5.3.2.1 Preventative Maintenance Program Development. The Contractor shall develop a comprehensive PM program (see Section J, Attachment J-4, List of Deliverables) for assigned buildings, structures, and installed equipment. The PM program shall be developed from applicable original equipment manufacturer manuals, inspection checklists, manufacturer's standards, industry standards, and commercial guides, as applicable. The Contractor shall identify and/or develop maintenance standards and procedures for each building and subsystem, structures, and installed equipment to their individual component level. The maintenance standards and procedures shall be readily accessible to the Government in the CMMS.

For each facility, the Contractor shall address all installed equipment (e.g., HVAC, electrical equipment, fixtures, etc.) and building systems (e.g., roofing systems; structural components; interior walls, ceilings, and trim; interior and exterior doors; windows and screens; stairs and stairwells; cabinets and countertops; interior accessories; flooring and floor covering; exterior walls; exterior trim gutters and downspouts; exterior concrete and masonry structures; exterior accessories; overhead or rolling doors; signage; refrigeration equipment; plumbing systems; electrical material and equipment; elevators; etc.)

C.3.5.3.2.2 Preventative Maintenance Program Implementation. The Contractor shall implement the comprehensive PM program developed in C.3.5.3.2.1 in compliance with the requirements of C.3.5.2

C.3.5.3.2.3 Heating, Ventilation and Air Conditioning Systems. The Contractor shall operate and maintain HVAC systems for assigned facilities. The term HVAC system as used in this document means any installed equipment designed for the sole purpose of conditioning the air in an enclosed space. It may be for heating, cooling or both. The Contractor shall perform specific inspections, procedures, and preservation required by the manufacturer; verify all systems and components are operating as designed; and identify needed repairs that may be accomplished immediately and during the off-season.

This scheduled work includes the maintenance, minor repair, and installation of all components, devices, equipment and associated systems, compressors, blowers, motors, drive assemblies, fans, service valves, dampers, condensers, cooling coils, piping, pumps, purge units, control systems and wiring, duct work, burner assemblies, combustion chambers, thermostats and temperature controls, registers, condensate and drip pans and drains, grills, evaporators, air filters, heat/air conditioning units, and all other items of equipment essential to the proper operation of equipment and systems in accordance with the manufacturer's manuals. See Attachment J-8.C.3.5.3.2.3, "***HVAC Systems by Facility/Location***" for further equipment details.

C.3.5.3.2.4 Fuel Dispensing Station. The Contractor shall operate, inspect and maintain the fueling facility on site. The provision for providing fuel for DOE and other site contractors, along with the reimbursement for fuel charges is covered in C.3.10. The maintenance activities shall include, as a minimum: calibration of bulk fuel tanks, valve lubrication, cleaning of vents and strainers, replacement of hoses on pumps (if required), adjustment of mixing temperature control valves, and all other maintenance required to keep the fueling station in a safe operating condition in accordance with Federal and State requirements. See Attachment J-8.C.3.5.3.2.4, "***Fuel Dispensing Station Description***" for equipment details on this station.

C.3.5.3.2.5 Overhead and Rolling Doors. The Contractor shall operate, inspect, and maintain overhead and rolling doors of assigned facilities. The Contractor shall inspect railings for alignment; replace rusted or corroded areas; properly lubricate all bearings, rollers, gears, and pulleys; ensure all hangers, bolts, springs, and pins are free of rust and

corrosion and appropriately lubricated; and ensure cables and fusible links are properly installed and free from corrosion and rust. See Attachment J-8.C.3.5.3.2.5, "***Overhead/Rolling Doors by Facility***" for further equipment details.

C.3.5.3.2.6 Elevators (Vertical Transport Equipment). The Contractor shall perform all maintenance, inspection, testing, and component replacement of equipment per the manufacturer's original specifications to keep elevators in a safe operating condition. The Contractor shall perform service call work as necessary to determine the reason for system and equipment malfunctions, eliminate the cause(s), and restore the system or equipment to satisfactory working condition. The Contractor shall ensure that equipment areas/rooms are clean; the car meets the manufacturer's rated speed; car movement is smooth with no unusual or objectionable noise or vibration; the car stops level with all floors/landings; all doors and safety edges operate at rated speeds per original equipment specifications; normal and emergency operating controls, lights and indicator lamps, and safety systems and mechanisms are operational; and all cables remain within allowable limits of wear and are acceptably lubricated. See Attachment J-8.C.3.5.3.2.6, "***Elevators***" for further equipment details.

C.3.5.3.2.7 Refrigeration Equipment. The Contractor shall maintain refrigeration equipment in an operable condition. Refrigeration systems are reach-in type residential, walk-in commercial refrigerators, and electric water coolers.

C.3.5.3.2.8 Re-Lamping. The Contractor is responsible for re-lamping lighting fixtures. The Contractor shall periodically inspect each building included in this Contract and systematically replace burned out and/or blinking bulbs.

C.3.5.3.2.9 Architectural and Traffic Signage. The Contractor shall perform replacement and sign fabrication tasks necessary for maintenance, repair, replacement, and alterations of interior and exterior signs for buildings, structures, facilities, and road signs for facilities that they have operational or surveillance and maintenance responsibility for. The Contractor shall fabricate and install approximately 20 new signs per year. All signage tasks shall be performed in accordance with Local, State, and Federal Department of Transportation traffic sign directives and regulations. Existing signs will be repaired or replaced when damaged, faded, outdated, or otherwise illegible.

Signs fabricated and installed with the Contractor's name, Contractor's personnel names (for offices), and other Contractor identifying features shall not be covered under Section 3.0 of this Contract.

C.3.5.3.2.10 Security Fences and Wire Cages. The Contractor shall provide maintenance and repair of security fences and gates to ensure all exterior and interior fences are kept in good repair, and unauthorized entry is prevented. All gates shall be maintained secure, and all hinges and locking devices kept in good working order. Repairs required include, but are not limited to, the following: repairing holes in chain link fence and wire cages, stringing of barbed wire on top of fence, replacing or resetting

of fence support stanchions, replacing or repairing hinges, gate rollers and locking devices, electric gate operators control mechanisms, gate alignment/adjustment or winch repair/replacement (in regard to the aircraft cables), and removal of rust and the painting of fences. See Attachment J-8.C.3.5.3.2.10, "***Security Fences and Wire Cages Listing/Description"*** for additional information.

C.3.5.3.2.11 Warranty Maintenance. The Contractor shall exercise manufacturers' commercial warranties on Government equipment on the Government's behalf. The Contractor shall report any difficulty in exercising manufacturers' warranties to the Government and request assistance as necessary. It is the Contractor's responsibility to correct equipment deficiencies, regardless of the manufacturers' actions. If the manufacturer fails to honor the warranty, it shall not relieve the Contractor of this responsibility.

C.3.5.3.2.11.1 Invalid Warranties. The Contractor is responsible for invalid warranties due to poor workmanship or by not following manufacturers' installation or operating instructions. Replacements and repairs will be at the Contractor's expense.

C.3.5.3.2.11.2 Warranty Monitoring. The Contractor shall develop and maintain information within the CMMS on warranties for equipment and facilities pertaining to the Contract within 90 calendar days following the NTP and throughout the Contract term.

C.3.5.3.2.12 Fire Extinguishers. The Contractor shall maintain, inspect, test, and repair/replace all portable fire extinguishers in accordance with the National Fire Prevention Association (NFPA) Code 10, "Standard for Portable Fire Extinguishers." There are approximately 2,835 portable fire extinguishers at the PGDP facility. See Attachment J-8.C.3.5.3.2.12, ***"Portable Fire Extinguisher Listing"*** for additional information.

C.3.5.3.3 LEVEL II Maintenance for Facilities. The Contractor shall perform LEVEL II Service Order work as defined in Section C.3.5.2, Maintenance Management and in accordance with standards established in this Contract in performing corrective maintenance and repair to buildings, structures, installed equipment systems and system components. LEVEL II Service Order work shall be performed for all assigned real property assets, to include assets that are not required to be in the PM program. All requirements, standards, and controls under this Contract applicable to PM LEVEL I maintenance remain applicable to LEVEL II Service Order work unless waived by the Government.

The Contractor shall perform unscheduled maintenance, repair, or modification of all elements related to assigned buildings, facilities or structural components or systems. The Contractor shall troubleshoot, test, diagnose, disassemble, fabricate, and repair or replace elements or sub-elements; repair, reassemble, and quality test to ensure proper functioning in accordance with the manufacturer's installation instructions, standard work practices and/or

national codes (the more stringent requirement shall govern); and interpret manuals, blueprints, sketches, schematics, and specifications for all work.

C.3.5.4 CUSTODIAL MAINTENANCE AND SANITARY WASTE DISPOSITION

C.3.5.4.1 General

The Contractor shall provide custodial maintenance so the facilities are clean, sanitary, and sightly.

C.3.5.4.2 Materials

The Contractor's cleaning techniques and products shall protect the integrity of both the surfaces and the finishes that are receiving cleaning services. The Contractor shall purchase and use cleaning products containing recovered materials that are EPA-designated items to the greatest extent practicable or when not practicable, the Contractor shall purchase and use cleaning products that have a lesser or reduced negative effect on human health and the environment when compared with competing products that serve the same purpose.

The Contractor shall post warning signs and barricades in areas of floor care operations, as appropriate, to ensure personnel safety.

The Contractor's cleaning techniques for biological material to include excrement and vomit shall be in compliance with Center of Disease Control protocols, and approved Federal, State and local regulations as implemented through the Contractor's WSHP.

C.3.5.4.3 LEVEL I Maintenance, Scheduled Cleaning Services

The Contractor shall develop, implement and provide to the Government a space cleaning plan (see Section J, Attachment J-4, List of Deliverables), which incorporates:

1) Facilities indicated in Attachment J-8.C.3.0, **"*Listing of Facilities Responsibility Matrix,"***
2) Service level required in Attachment J-8.C.3.5.4a, **"*Listing of Facilities and Service Level,*"** and
3) Frequency shown in Attachment J-8.C.3.5.4b, **"*Service Level Frequency Description.*"**

The space cleaning plan shall be provided to the Government for approval within 60 calendar days of the NTP, and when any changes or updates are made.

The Contractor shall perform space cleaning services to the standards described herein according to the space cleaning services schedule. The Contractor shall only report deviations from the space cleaning plan into the weekly maintenance report (see Section C.3.5.2.5).

C.3.5.4.3.1 Space Cleaning. The Contractor shall clean offices, conference rooms, breakrooms, kitchen areas, restrooms, file rooms, closets, entry areas, curtilage, hallways,

steps and stairs, entrances, sidewalks, landings, balconies, ledges, smoking areas and sheltered areas/gazebos adjacent to buildings or facilities. The Contractor shall ensure the spaces are clean, sanitary and sightly. Furniture and other items moved while performing basic services shall be returned to their original positions.

1) Waste Containers. All waste containers shall be emptied and plastic liners shall be placed into waste containers. Any plastic liner with food wastes or that is soiled or leaking shall be replaced with a new plastic liner. Waste containers shall be washed as needed inside and outside using a disinfectant and shall be free of odors. After washing, containers shall be wiped dry and new plastic liners installed. Boxes, cans, bottles, and other items placed adjacent to waste containers and marked "TRASH" shall also be removed and disposed of. All waste collected shall be disposed of in the nearest outside trash collection point. Waste that falls on the floor and outside grounds during the waste removal process shall be picked up and disposed of by the Contractor.

2) High Area Cleaning. The Contractor shall provide high area cleaning services to ensure surface areas are clean. Surfaces between 7 feet and 14 feet shall be cleaned free of dirt, dust, and cobwebs. Where glass is present, both sides shall be clean and free of streaks. This includes all walls and ceiling areas and anything affixed to, or included in, these surfaces. This does not include removal of vents, tiles, or fixtures.

3) Low Area Cleaning. The Contractor shall provide low area cleaning services to ensure surface areas are clean. Low area cleaning includes all furniture and fixtures (e.g., partitions, radiators, equipment, hand railings in stairways, grills, ledges, sills, walls, baseboards, doors, glass in partitions and doors, light fixtures, miscellaneous hardware and bright metal work) to a maximum height of 7'-0" above floor level.

4) Door Tracks. Tracks shall be clean and free of dirt, debris, built up grime, dust, smudges, and other extraneous matter.

5) Interior Window and Glass Cleaning. The Contractor shall clean window and glass surfaces and adjacent areas to ensure that surfaces are clean.

6) Window Treatments. The Contractor shall clean window treatments to include blinds, draperies, curtains, shades, and all other accessories and appurtenances to ensure that surfaces are clean. All treatments and coverings, cord tapes, and valances shall be clean and free of dust and spots. Blinds and coverings that are not operating properly shall be reported for repair.

C.3.5.4.3.2 Floor Care. Floor care shall consist of the following services:

1) General Requirements:

a) The Contractor shall move non-permanent rugs and other floor coverings prior to floor care services. The Contractor shall return furniture, rugs, floor coverings, and other items moved during services to their original positions.

b) Mops and cleaning rags shall be cleaned and sanitized before and after a day of use. Mops and cleaning rags used in restrooms shall not be used to clean any other areas.

c) The Contractor shall ensure that all bare floors, base moldings, and grout are clean and free of debris including dirt, water streaks, mop marks, string, gum, tar, and any other foreign matter.

d) The Contractor shall ensure that any cleaning of flooring that may contain Asbestos Containing Building Material (ACBM), such as vinyl asbestos tile (VAT), shall comply with the Contractor's WSHP.

e) The Contractor shall ensure that damp mopping is the only method of wet cleaning for floors containing asphalt material.

2) Sweeping/ Dust Mopping. The Contractor shall sweep/dust mop uncarpeted floors including stairwells and elevators to ensure floors are clean.

3) Carpets and Rugs:

a) Vacuuming. The Contractor shall vacuum carpets and rugs to remove loose dirt, dust, and debris ensuring they are clean.

b) Deep Cleaning (Shampooing). The Contractor shall ensure that all carpets are vacuumed and free of all loose soil and/or any debris prior to shampooing carpets. The Contractor shall use shampooing with water extraction, chemical extraction, steam cleaning, and/or other similar deep cleaning processes or an equivalent method that properly cleans carpets and rugs, rendering them free of any streaks, spots, and/or stains. Once cleaned, carpets and rugs should have a uniform appearance. After drying, the Contractor shall return all furniture, or other equipment that was moved to the original position.

4) Walk-off Mats. The Contractor shall provide and service the walk-off mats and clean surfaces below the mats.

5) Damp Mop. The Contractor shall damp mop uncarpeted floors, including stairwells and elevators to ensure that they are clean.

6) Wet Mop. The Contractor shall ensure wet mopped floors are cleaned using disinfectant cleaner(s) with additional scrubbing, if necessary. Surfaces,

baseboards, and corners shall be clean and dry. Walls, baseboards, and other surfaces shall be free of splashing and markings from the equipment. There shall be no visible buildup of finish in corners or crevices.

7) Waxing and Buffing:

   a) Spray Cleaning and Buffing. Prior to spray cleaning and buffing, floors shall be damp mopped as specified above. Floors shall be spray cleaned and buffed to remove traffic marks, heavy soil, etc. The Contractor shall use a blend of detergents and polymers to emulsify surface soil and repair traffic areas. If buffing produces loose residue, it shall be removed in a manner that will leave the floor clean without destroying the high gloss produced by buffing. When cleaning and buffing is completed, the floor shall have a uniform, high-gloss finish from wall to wall, including corners, free of scuff and heel marks.

   b) Waxing and Buffing. In the event spray cleaning and buffing is not sufficient to maintain a uniform, high-gloss finish, floors shall be completely waxed and buffed using a liquid wax system containing not less than 18% solids. Floors shall be damp mopped as specified above immediately prior to application of wax. Floors shall be buffed, if required, to a uniform gloss finish free from dirt, traffic marks, and stains.

   c) Stripping, Waxing and Buffing. In the event spray cleaning and buffing is not sufficient to maintain a uniform, high-gloss finish, floors shall be completely stripped, waxed and buffed using a liquid wax system containing not less than 18% solids. Floors shall be buffed to a uniform gloss finish free from dirt, traffic marks, and stains.

C.3.5.4.3.3 Breakroom Areas. The Contractor shall service all breakrooms to ensure they are clean, sanitary, sightly and stocked with sufficient supplies, such as soap, paper towels, and similar items. The Contractor shall clean, disinfect and sanitize all fixtures and surfaces to include sinks, drinking fountains, washbasins, coffee areas, and similar fixtures, and ensure that no dust, spots, soiled substances, discoloration, mold, build-up, or excess moisture is present in these areas. The Contractor shall ensure that cleaning equipment used to clean water closets, urinals, floors and walls are not used to clean/disinfect sinks, countertops, or drinking fountains.

C.3.5.4.3.4 Restroom Services. The following work requirements shall be performed each time restroom services are performed:

1) Cleaning. Restroom fixtures, including water closets, urinals, lavatories, and sinks shall be washed inside and outside using a disinfectant, and shall be free of stains and odors. The Contractor shall ensure that cleaning equipment used to clean water closets, urinals, floors and walls are not used to clean/disinfect sinks, countertops, or drinking fountains. Stains shall be removed from all urinals and

water closets. Brushes, sponges, and cloths that have been used to clean any other part of the restroom (including water closets, urinals, walls, floors, and partitions) shall not be used to clean lavatories or sinks. Floors shall be swept/dust mopped free of dirt, then mopped with a disinfectant. Floor drains shall be cleaned and flushed with a disinfectant. Wainscoting, partitions, walls, and doors shall be cleaned free of dirt, stains, and graffiti. Mirrors shall be cleaned and polished. All metal fixtures and hardware shall be wiped, cleaned and free of streaks. Waste containers shall be emptied, disinfected, and plastic liners replaced. The Contractor shall clean and disinfect shower stall rooms and locker/dressing rooms as part of the restroom.

2) Servicing/Inspecting/Stocking. Servicing restrooms shall include inspecting, cleaning, and replenishing supply dispensers. Restroom supplies include paper towels, toilet tissue, toilet seat protectors, air fresheners and soap. The Contractor shall stock restrooms with sufficient supplies to ensure they will last until the next scheduled service. If dispensers become empty before the next scheduled servicing, the Contractor shall replenish them upon notification.

C.3.5.4.3.5 Collection and Disposition of Waste. The Contractor shall be responsible for pickup and disposition of sanitary waste, including disposition of sanitary waste in up to ten (10) dumpsters at or around the PGDP.

The Contractor shall separately collect and manage recyclable and consumer hazardous waste generated by the Contractor from other waste streams in accordance with the waste minimization program per C.2.2.3 and C.2.2.10.

C.3.5.4.4 LEVEL II Maintenance, Unscheduled Cleaning Services
Upon notification through the issuance of a LEVEL II Maintenance request, the Contractor shall respond and perform in accordance with Section C.3.5.2, Maintenance Management.

C.3.5.5 GROUNDS MAINTENANCE

C.3.5.5.1 General
The Contractor shall perform grounds maintenance, including grass cutting, edging, grass trimming, fertilizing, policing grounds, removing leaves, inspecting, and performing minor repairs. Activities within this Section are organized as LEVEL I Scheduled/Preventative Maintenance and LEVEL II Service Order Maintenance. Activities that exceed the LEVEL II Service Order limit of liability may be addressed through Section 5.0 IDIQ.

C.3.5.5.2 Assets
The Government owns a total of 3,556 acres at the PGDP. The Government has restricted access to 748 acres within the fenced Limited Security area and approximately 822 acres of uninhabited buffer zone surrounding the PGDP. The remainder is leased by the Commonwealth of Kentucky. Attachment J-8.C.3.5.5a, "***Mowing Zone Map***" is a reference for this section.

C.3.5.5.3 Requirements for all Zones/Areas
The following requirements are applicable to services performed in all Zones or Areas.

C.3.5.5.3.1 Debris Removal. The Contractor shall remove any trash, paper, or other debris prior to mowing/cutting that detracts from the finished appearance of the area or present a safety hazard. Such debris includes but is not limited to: paper, cigarette butts, cans, bottles, limbs, leaves, fallen trees, and other objects within the maintenance area, and shall include debris lodged in shrubs, hedges, fences, and along foundations and other walls or structures.

C.3.5.5.3.2 Trimming. The Contractor shall trim grass/vegetation around utilities, fences, utility poles, lightning protection poles, guy wires, sign posts, fire hydrants, buildings, electrical structures, plastic and concrete jersey barriers, and parking lot bumpers. The grass/vegetation shall be cut and maintained at a height consistent with the adjacent grass, or if standing alone, cut to a maximum six inches (6") height and to a radius of three feet (3') around.

C.3.5.5.3.3 Deep Ditches. The Contractor shall control the height of vegetation to less than thirty-six (36") inches in deep ditches where water regularly accumulates and it is impractical to enter with mowers on a regular basis even during dry weather.

C.3.5.5.3.4 Clippings Removal. The Contractor shall remove or blow off grass clippings and leaves (not trash) deposited by the mowing operation from sidewalks, concrete porches, building aprons, streets, etc.

C.3.5.5.3.5 Coordination. The Contractor shall coordinate with the other site contractors prior to the performance of work activities that might impact their operations.

C.3.5.5.3.6 Scalping. The Contractor shall prevent scalping, uneven mowing, or rutting by the equipment and shall take care not to damage trees and shrubs.

C.3.5.5.4 Mowing Schedule
The Contractor shall submit a Mowing Plan (to include a Mowing Map and Annual Mowing Schedule) (see Section J, Attachment J-4, List of Deliverables) for review and approval by DOE within 60 calendar days of the NTP and annually thereafter.

The mowing schedule shall be broken down by month and week when each area will be mowed.

C.3.5.5.5 LEVEL I Scheduled/Preventative Maintenance Grounds Services
The Contractor shall perform LEVEL I Scheduled/Preventative Maintenance Grounds Services as follows:

C.3.5.5.5.1 Damage. The Contractor shall notify and provide a condition report to the Government of any existing damages to PGDP facility assets prior to the Contractor commencing work. Damage caused by the Contractor to PGDP facility assets (i.e., utility poles, signposts, power outlets, telephone pedestals, fire hydrants, grounding system wires, wire molding and ground rods, and guy wires) shall be reported within one (1) working day of the incident. All repairs/replacements of Contractor damage to PGDP facility assets shall be at the Contractor's expense.

C.3.5.5.5.2 Mowing/Vegetation Control. Mowing Frequency/Specific Requirements by zone are as follows:

1) ZONE I – This designation provides the service level for vegetation control and grounds maintenance to areas that are adjacent to highly utilized facilities as related to administrative buildings/parking areas etc. These areas contain landscaping, ornamental trees shrubs, beds and other landscaping features and as such are provided the highest level of maintenance. The grass/vegetation within this zone shall be maintained to a height of six (6") inches or less.

2) ZONE II – This designation provides the service level for vegetation control for semi-improved grounds (e.g., adjacent to surfaced roads, unpaved roads). The vegetation/grass within this zone shall be maintained to a height of twelve (12") inches for non-radiological areas, or a height of thirty-six (36") inches or less for radiological areas.

3) ZONE III - This designation provides the service level for vegetation control for semi-improved grounds (e.g., fields, open areas). The Contractor shall mow the vegetation/grass at a frequency of no less than every 30 calendar days to maintain vegetation/grass at a height of eighteen (18") inches or less. The vegetation within this zone shall be maintained to a height of thirty-six (36") inches or less for any radiological areas.

4) ZONE IV – This designation provides the service level for vegetation control to Regulated Engineered Facilities that are in accordance with the standards established within enforceable regulatory agreements between the Government and the Commonwealth of Kentucky. These are also known as specific Solid Waste Management Units (SWMU) mowing. There are eight SWMU's at the PGDP that are Regulated Engineered Facilities as detailed below:

SWMU	Facility ID	Unit of Measure	Quantity
2	C-749 Uranium Burial Ground	sq. ft.	32,000
3	C-404 Low Level Radioactive Waste Burial Ground	sq. ft.	286,700
4	C-747 Contaminated Burial Ground	sq. ft.	197,400

SWMU	Facility ID	Unit of Measure	Quantity
5	C-746-F Burial Ground	sq. ft.	13,500
6	C-747-B Burial Ground	sq. ft.	240,900
7	C-747-A Burial Ground	sq. ft.	294,000
30	C-747-A Burn Area	sq. ft.	128,000
145	Residential/Inert Landfill Borrow Area	Acre	44

a) These following SWMU's have caps listed as Mowing Remedial Action areas in agreements with the Commonwealth of Kentucky that require maintenance and mowing:

   1) The burial grounds (SWMU 2, 4, 5, 6, and 7), burn area (SWMU 30), and residential/inert landfill borrow area (SWMU 145), have a soil cover (versus a cap).
   2) SWMU 3 (C-404 - Resource Conservation and Recovery Act (RCRA) landfill) has a Subtitle C RCRA cap, and is approximately 1.2 acres in area.

b) The Contractor shall mow the vegetation/grass at a frequency of no less than every 30 calendar days to maintain vegetation/grass at a height of eighteen (18") inches or less.

5) Zone V – This designation provides the service level for vegetation control to the areas: Number 4 Lagoon; Scrap Yard Sedimentation Basin; Soil Borrow Stockpile; Pump and Treat Decon Pad; and Firing Range. This Zone shall be mowed on a biannual basis to prevent woody growth.

6) Zone VI– This designation provides the service level of vegetation control to generally unimproved grounds where control of undergrowth is desired. This Zone shall be mowed on an annual basis to prevent woody growth.

7) Zone VII– This designation provides the service level for vegetation control to the chain link fences:

   a) Perimeter fence enclosing the PGDP Limited Area (LA) that is approximately 26,000 feet (4.9 miles) in length, along with concrete barricades, interlaced with aircraft cable, that are placed alongside this entire length.
   b) C-755 that is approximately 2,300 feet in length.
   c) C-611 that is approximately 3,500 feet in length.
   d) C-764 that is approximately 1,000 feet in length.
   e) DUF6 that is approximately 2,000 feet in length.
   f) South Cylinder Yards that is approximately 5,100 feet in length.

Service Level for Zone VII.a. The Contractor shall mow along the entire Limited Area fence from the outside edge of the Patrol Roads to the interior concrete barricades. The Contractor shall maintain the grass/vegetation on the outside of the fence to a height of twelve (12") inches or less to create a clearance of approximately fifty (50') feet from the exterior of the fence to the surrounding tree line, subject to the limitations of the terrain.

The Contractor shall utilize herbicide, or other means, as approved by the Government, to control vegetation between each concrete barricade and between the barricades and the fence.

Service Level for Zone VII.b. – f. The Contractor shall control the vegetation to a distance of twenty (20') feet either side of the fence to a height of twelve (12") inches or less.

C.3.5.5.5.3 Scheduled Service for Air Monitors. The Contractor shall maintain a mowed, debris free, and pest controlled (e.g., chiggers) pathway that is no less than three (3') feet wide and with a vegetation height not to exceed four (4") inches that lead to National Emission Standards for Hazardous Air Pollutants (NESHAP) air monitors. Accesses to these air monitors are necessary to maintain regulatory compliance with monitoring requirements in regulatory agreements and the PGDP environmental monitoring program. There are nine (9) monitors as follows:

1) NESHAP Air Monitoring Station Background
2) NESHAP Air Monitoring Station at Outfall 002
3) NESHAP Air Monitoring Station at Outfall 012
4) NESHAP Air Monitoring Station at Outfall 015
5) NESHAP Air Monitoring Station near C-612
6) NESHAP Air Monitoring Station near Post 57
7) NESHAP Air Monitoring Station at Landfill
8) NESHAP Air Monitoring Station at NE Plume Well
9) NESHAP Air Monitoring Station East of U LF in use at the PGDP

Attachment J-8.C.3.5.5d, **"*Air Monitor Location Map*"** provides the location of the air monitoring stations to be serviced.

C.3.5.5.5.4 Scheduled Service for Sampling Wells. The Contractor shall provide an access route and mow a ten (10') foot radius circle with a vegetation height not to exceed four (4") inches around the groundwater wells based on the Remediation contractor's sampling schedules. The Remediation contractor provides sampling schedules on a month-ahead basis so that the wells can be examined to determine what mowing is necessary to ensure safe access is maintained. The use of herbicide is prohibited for this activity.

The PGDP has 356 groundwater monitoring wells that are sampled on a routine basis by the Remediation contractor (or a successor). The number of monitoring wells monitored may fluctuate plus/minus 10% per year. Mowing around wells is performed one, two, or three times per year and is scheduled based on the sampling schedule included in the PGDP Environmental Monitoring Plan. Attachment J-8.C.3.5.5b, **"*Sampling Well Location Map*"** provides the location of the monitoring wells to be serviced and Attachment J-8.C.3.5.5c, "***Sampling Well Frequency Schedule"*** provides the wells sampling schedule. The Contractor shall coordinate with the Remediation contractor (or a successor) on mowing around applicable wells. The Contractor shall coordinate with other site contractors to access these areas based on the Government Furnished Services and Interface Requirements Matrix (Attachment J-5).

C.3.5.5.5.5 Reserved.

C.3.5.5.5.6 Shrubs, Hedges and Trees. To maintain their existing growth characteristics/shape, shrubs and hedges in the Zone I Area(s) shall be pruned annually between May 15 and October 15. Shrubs and hedges shall be fertilized with a 23-10-5 fertilizer mixture two (2) times a year: once in the spring, prior to June 1, and once in the fall, prior to October 15. The shapes of hedges shall not be changed without prior approval of the Government. The Contractor shall care for younger trees, e.g. young trees south of building C-100, to include feeding no less than once per year and the mowing and trimming around the trees does not damage the tree's bark. See Attachment J-8.C.3.5.5.5.6, ***"List of Shrubs, Hedges and Trees in Zone 1"*** for further descriptions.

C.3.5.5.6 LEVEL II Service Orders for Grounds Maintenance

The Contractor shall perform LEVEL II Service Orders in accordance with the standards and requirements of this Contract. LEVEL II Service Order work shall be performed for all assets. All requirements, standards, and controls under this Contract, that are applicable to PM LEVEL I task(s), remain applicable to LEVEL II Service Order task(s) unless waived by the Government.

Examples of LEVEL II Service Order work activities include, but are not limited to, enhanced grounds maintenance due to special events, tree removal, pruning in areas outside of Zone I, or limited brush hogging in areas where service in not indicated.

C.3.5.6 PAVED, GRAVEL AND EARTH ROADS, AND YARDS

C.3.5.6.1 General

The Contractor shall inspect, schedule, maintain and repair roadways, surfaced areas, and support facilities. This includes paved and unpaved roads, streets, parking lots, sidewalks, recreational areas, erosion control, drainage systems and related areas, and associated structures and appurtenances at the PGDP. The Contractor shall maintain and repair paved surfaces and earth surface roads and areas in accordance with the latest edition of the Kentucky Standard Specifications for Road and Bridge Construction. Activities within this Section are organized as LEVEL I Scheduled/Preventative Maintenance or LEVEL II

Service Order. Activities that exceed the LEVEL II Service Order limit of liability may be addressed through Section 5.0.

C.3.5.6.2 Description
The following attachments provide an overview of structures and assets at the PGDP:

1) Attachment J-8.C.3.5.6a Listing of Roads
2) Attachment J-8.C.3.5.6b PGDP Site Map
3) Attachment J-8.C.3.5.6c Listing of Bridges
4) Attachment J-8.C.3.5.6d Map Detailing Bridge Locations

C.3.5.6.3 LEVEL I, Scheduled/Preventative Maintenance Tasks and Standards

C.3.5.6.3.1 General. The Contractor shall provide all maintenance and scheduled repairs to paved/unpaved areas and ancillary structures.

C.3.5.6.3.2 Records. The Contractor shall utilize CMMS to document deficiencies resulting from inspections.

C.3.5.6.3.3 Paved Surfaces Maintenance and Repair. During the month of May, the Contractor shall inspect all surfaced areas and related structures and prepare an Inspection Report (see Section J, Attachment J-4, List of Deliverables). This report shall focus on all areas of the pavement system to include the pavement surface, pavement markings, shoulders, ditches, drainage, signage, curbing along with documenting Potholes, Upheavals, and Alligator Cracked Repair. The Inspection Report shall document the results of the inspection(s) as to the condition/deficiencies along with a prioritized list of repairs with estimated price for repair.

C.3.5.6.3.4 Unpaved Surfaces Maintenance and Repair.

1) Scheduled Service. The Contractor shall grade Unpaved Roads and Parking Areas to level ruts and washes, fill in low areas, and cut down high areas, to achieve the specified grade and slope two (2) times each year, once in the spring and once in the fall. The Contractor shall provide up to fifty (50) cubic yards of aggregate each year for repair of unpaved surface roads.

2) Preventative Maintenance Inspections. During the month of May, the Contractor shall inspect all unpaved roads, parking areas and ancillary structures and prepare an Inspection Report (see Section J, Attachment J-4, List of Deliverables). This report shall focus on all areas of the unpaved road system to include the road surface, shoulders, ditches, drainage, signage, curbing. The Inspection Report shall document the results of the inspection(s) as to the condition/deficiencies along with a prioritized list of repairs with estimated price for repair

C.3.5.6.3.5 Drainage System Maintenance and Repair. The Contractor shall maintain the drainage systems. To maintain proper runoff, the Contractor shall inspect and maintain inlet gratings, clean catch basins, drop inlets, manholes, culverts, inlet headwalls, and exits and similar structures on a regular schedule. The schedule shall be based on the rate of silting or clogging with debris.

C.3.5.6.3.6 Bridge Maintenance and Repair. The Contractor shall inspect vehicular bridges in accordance with the requirements of 23 CFR § 650.301, National Bridge Inspection Standards (NBIS) on a bi-annual frequency and provide an Inspection Report (see Section J, Attachment J-4, List of Deliverables). The Inspection Report shall document the results of the inspection(s) and provide the condition/deficiencies along with a prioritized list of repairs with estimated price for repair.

C.3.5.6.3.7 Vegetation Control. The Contractor shall perform vegetation control on areas adjacent to paved, gravel and earth roads, and yards in accordance with the requirements of C.3.5.5, Grounds Maintenance.

C.3.5.6.4 LEVEL II, Service Orders Tasks and Standards

The Contractor shall perform LEVEL II Service Orders in accordance with the standards and requirements of this Contract. LEVEL II Service Order work shall be performed for all assets. All requirements, standards, and controls under this Contract, that are applicable to PM LEVEL I task(s), remain applicable to LEVEL II Service Order task(s) unless waived by the Government.

Examples of LEVEL II Service Order work activities include, but are not limited to, paving; guardrail repairs/replacement; culvert repair and installation; repairs to bridges; application of gravel/stone to surfaces, cleaning of ditches; repair or replace damaged or washed out sections of paved or unpaved roads; excavate and replace pavement to gain access to sewer or drainage facilities or other utilities for repair work; repair or replace headwalls to prevent erosion or scour the embankment adjacent to culvert inlets.

C.3.5.7 SNOW AND ICE PREVENTION/REMOVAL

C.3.5.7.1 General

The Contractor shall provide de-icing (removal of snow or ice) and anti-icing for all PGDP site facilities (e.g., entrances, steps, landings, sidewalks, driveways, roadways, parking areas, and handicapped accessibility areas) at the PGDP. De-icing can be accomplished by mechanical means (plowing or scraping) and/or chemical application. Anti-icing can be accomplished by treatment with ice melting chemicals before or during a storm, to prevent or delay the formation of ice, or the adhesion of ice and snow to the surface, providing vehicles and pedestrians safe travel.

All chemicals used shall not damage any DOE surface and shall comply with Federal specifications and local codes. The chemicals shall be approved by the Government prior to the first inclement weather event. The Contractor shall ensure there is an adequate supply of

chemicals and sand on site or readily available to cover unexpected snow and ice occurrences.

The official source for weather information/data is the National Oceanic and Atmospheric Administration (NOAA). This is the only data related to weather events, to include start time, end time and total accumulation, which will be officially recognized by the Government.

C.3.5.7.2 Requirements
Suspected accumulation of ice shall be mitigated by means of anti-icing and actual accumulations shall be abated by applications of de-icing, to provide secure footing and safe driving conditions.

The Contractor shall capture all anti-icing and de-icing activities in CMMS, distinguishing between removal and prevention.

C.3.5.7.3 Snow and Ice Removal Planning
The Contractor shall interface with all PGDP contractors to fully coordinate snow and ice removal tailored to support PGDP operations. The Contractor shall submit a detailed Snow and Ice Removal Plan (see Section J, Attachment J-4, List of Deliverables) for review and approval to the Government within 60 calendar days after NTP and an updated plan annually by August 30, thereafter. The plan shall include:

1) Detailed description of the methodology for sequencing and prioritizing snow and ice removal.
2) Detailed description and maps designating priority sequence for roads, parking areas and walkways to facilities:
    a) Priority 1: Primary routes for ingress and egress onto PGDP, parking lots and walkways to operational facilities (e.g., 24/7 operation).
    b) Priority 2: Roads leading to, parking lots, and walkways to facilities where the majority of personnel work.
    c) Priority 3: Major connecting roads, perimeter roads, parking lots and walkways to facilities with personnel.
    d) Priority 4: All other PGDP site roads and facilities.
3) List of equipment required above the list of the equipment on-hand.
4) List of material (salt, chemicals) required above the list of material (salt, chemicals) on hand.
5) Description of treatment to be used, e.g., chemicals, salt for each road, parking area and walkway.
6) Plan for heavy accumulation of snowfall to include:
    a) Sources for additional personnel required and notification of personnel,
    b) Sources for additional equipment required,
    c) Increased frequency of service in response to increased accumulation of snow,
    d) PGDP shutdown due to heavy accumulation of snow and ice.

7) Identification of all site damages to parking lot surfaces, curbs, parking lot light poles, site fencing, sidewalks, curbs, roads, etc. so that all existing deficiencies are identified and corrected before the commencement of snow/ice removal services for the year.
8) Concurrence of plan from other PGDP contractors.

C.3.5.7.4 Mechanical Means of Snow Removal
The Contractor shall use care to avoid damaging all vehicles and to minimize accumulation of plowed snow in the vicinity of the vehicles. The Contractor shall plow in a manner that does not create a safety hazard and does not obstruct sidewalks, streets, parked vehicles, fire hydrants, refuse dumpsters, obstacles (i.e., water valves, radiological areas, etc.), parking lot entrances, exits, or roadway intersections. In the event of an obstacle, the Contractor shall notify the DOE for further instructions.

The Contractor shall push snow to the outer edges of the parking lots. In cases of heavy accumulations of snow and/or consecutive accumulations, the snow shall be removed and relocated from the parking areas adjacent to facilities if operations are impaired. The Contractor shall not push/stack snow against any wall or building. The Contractor shall ensure that placement of snow is such that it will not create a potential hazard when it melts.

C.3.5.7.5 LEVEL I: Snow and Ice Removal

C.3.5.7.5.1 Non-Significant Weather Events (Less than 4 hours in continuous duration or 4 inches in total accumulation). The Contractor shall treat and clear priority areas to maintain safe passage conditions for vehicle and pedestrian traffic. Priority 1, 2, and 3 areas shall be free and clear within 4 hours of the completion of the weather event. Remaining areas shall be cleared within 12 hours.

C.3.5.7.5.2 Significant Weather Events (More than 4 hours in continuous duration or 4 inches in total accumulation). The Contractor shall treat and clear priority areas to maintain safe passage conditions for vehicle and pedestrian traffic. Priority 1, 2, and 3 areas shall be free and clear within 8 hours of the completion of the weather event. Remaining areas shall be cleared within 16 hours.

C.3.5.7.6 LEVEL II: Service Orders
Upon notification through the issuance of a LEVEL II request in accordance with Section C.3.5.2, Maintenance Management of this Contract, the Contractor shall perform request for unscheduled services snow and ice removal. These services may be required to be performed outside normal duty hours.

C.3.5.8 RAILROAD SYSTEM MAINTENANCE AND REPAIR

C.3.5.8.1 General
The Contractor shall operate and maintain the PDGP rail system. The Contractor shall coordinate with appropriate shared-site contractors prior to and during any on-site rail movements, including ensuring the placement of personnel to perform "flagging" duties at

necessary intersections, taking proper security actions (such as opening and closing gates, securing rail cars, etc.), and making site-wide notifications prior to rail movements.

The Contractor shall inspect and perform maintenance, repair, and minor improvements of the railroad tracks at the PGDP. The Contractor shall maintain the railroad property assets in good condition for safe use. Activities within this Section are organized as LEVEL I Scheduled/Preventative Maintenance and LEVEL II Service Order. Activities that exceed the LEVEL II Service Order limit of liability may be addressed through Section 5.0 IDIQ.

C.3.5.8.2 Assets
Railroad System includes approximately 54,000 linear feet of track that is active, 7,350 linear feet of track that is inactive, and 1,200 linear feet of abandoned track along with three (3) railroad trestles.

The following attachments provide an overview of facilities:

1) Attachment J-8.C.3.5.8a Rail System Map
2) Attachment J-8.C.3.5.8b Listing of Switches
3) Attachment J-8.C.3.5.8c Listing of Trestles
4) Attachment J-8.C.3.5.8d Trestle Location Map

C.3.5.8.3 LEVEL I Scheduled/Preventive Maintenance Tasks and Standards
Scheduled/Preventive Maintenance consists of three (3) functions: Railroad Preventive Maintenance Inspection (RPMI), Railroad Scheduled Service and Vegetation Control. There are two (2) frequencies of LEVEL I inspection. Active track shall be inspected monthly and inactive track shall be inspected annually. Abandoned track shall not be inspected unless directed by the Government. Vegetation Control shall be administered for both active and inactive track at the same frequency. The results of all inspections, maintenance and repair activities shall be captured within the CMMS.

C.3.5.8.3.1 Railroad Preventive Maintenance Inspection

1) Rail Inspection. The Contractor shall perform inspections of the tracks in accordance with the Federal Railroad Administration (FRA) Part 213, Class 1, *"Track Safety Standards."* The Contractor shall inspect and maintain crossing signs and signals in accordance with American Railroad Engineering Association (AREA) standards and manufacturer's specifications.
2) Rail Inspection Schedule. The Contractor shall perform inspections on a monthly basis for active track and annually for inactive track. Active track inspections shall occur no more than thirty (30) calendar days and no less than twenty (20) calendar days from last inspection.
3) Trestle Inspections. The Contractor shall inspect rail trestles in accordance with the requirements of 49 CFR § 213, *"Track Safety Standards"* and *Manual for Railway Engineering*, American Railway Engineering and Maintenance-of-Way Association.
4) Trestle Schedule. The Contractor shall perform inspections annually.

5) Reports for Rail System Inspections. The Contractor shall advise the Government of all significant problems discovered with the rail system. Catastrophic (Serious) defects shall be reported immediately. Critical (Potentially Serious) defects shall be reported daily. Contractor reports shall be signed and dated by a qualified inspector and shall have a qualification certificate attached. The Contractor's inspection reports shall be consistent with FRA standards and shall also include; track segment inspected, date of inspection, narrative description which accurately reflects the deficiency, location, and estimated cost for correction. The Contractor shall provide the Government a copy of the rail and trestle inspection reports (see Section J, Attachment J-4, List of Deliverables) within five (5) business days of completion.

C.3.5.8.3.2 Active Railroad Track Scheduled Service. Scheduled service work shall consist of maintenance and correction of minor deficiencies for rail switches and trackage. The Contractor shall provide to the Government a service schedule (see Section J, Attachment J-4, List of Deliverables) within 30 calendar days of the NTP, and updated thereafter when changes are made. The Active Railroad Track Scheduled Service must be reviewed and approved by the Government prior to commencement of work. The Contractor shall perform the following for:

1) Rail Switches:
   a) Check and adjust rail braces, guard rails and joint bars.
   b) Switches, derailers, and rail oilers shall be operated, cleaned, lubricated and adjusted.
   c) Refill all gear boxes.
   d) Lubricate all moveable parts and switch plates.
   e) Replace missing or damaged switch targets.
   f) Paint targets (if necessary).
   g) Adjust gage, guard face gage, and guard check gage.
   h) Check and tighten all bolts.
   i) Check for all loose spikes and re-spike as required. Tie plugs or other approved methods shall be used.
   j) Replace all missing or broken bolts.
   k) Check for insecure switch stand.
   l) All switch components must be free of lost motion. Switch point closure should be adjusted if a switch mechanism can be thrown in either direction and locked with a 1/8-inch metal spacer between the switch point and stock rail.

2) Railroad Trackage:
   a) Check and tighten all joint bar bolts, and rail stop bolts.
   b) Check for loose tie spikes and re-spike as required. Tie plugs or other approved methods shall be used.
   c) Replace all missing or broken joint bar bolts, and rail stop bolts.
   d) Lubricate all joint bars. Check gage and adjust gage rods as required.

C.3.5.8.3.3 Vegetation Control. The Contractor shall eliminate or control vegetation from areas within and adjacent to trackage where not required for erosion control. The Contractor shall prevent vegetation from becoming a fire hazard, obstructing visibility of signs and signals, interfering with employees performing normal trackside duties, or preventing proper functioning of signals and communication lines. The Contractor shall provide vegetation control services as scheduled maintenance.

The Contractor shall maintain ballast areas free of vegetation sixteen (16) feet wide [eight (8) feet each side of center line]. Any herbicides used shall be registered with the U.S. Environmental Protection Agency and as approved by the Government. Use shall be in strict compliance with label directions for control of vegetation. Non-selective soil residual herbicides shall not be used under the drip line of trees or shrubs, nor within ten feet of annual flowers or gardens. A contact herbicide may be used within such areas. Special care will be taken so that vegetation in privately owned areas adjacent to treated areas is not damaged. The Contractor shall be responsible for any damage caused by herbicide treatments made by Contractor personnel.

C.3.5.8.3.4 Drainage System Maintenance and Repair. The Contractor shall maintain the drainage systems to ensure proper runoff. The Contractor shall inspect and maintain inlet gratings, clean catch basins, drop inlets, manholes, culverts, inlet headwalls, and exits and similar structures on a regular schedule. The schedule shall be based on the rate of silting or clogging with debris.

C.3.5.8.4 LEVEL II Service Order

The Contractor shall perform LEVEL II Service Order work in accordance with standards established in this Contract to provide corrective maintenance and repair to Railroad System, installed equipment system(s) and system components. LEVEL II Service Order work shall be performed for all assets. All requirements, standards, and controls under this Contract, that are applicable to PM LEVEL I task(s), remain applicable to LEVEL II Service Order task(s) unless waived by the Government.

Examples of LEVEL II Service Order work to the railroad system include, but are not limited to, tie replacement, rail replacement, trestle repairs, ballast cleaning, rail realignment, repair to rail crossing and warning lights.

C.3.5.9 PEST CONTROL SERVICES

C.3.5.9.1 General

The Contractor shall conduct pest control activities utilizing integrated pest management (IPM) techniques. Activities within this Section are organized as LEVEL I Scheduled or Preventative Maintenance and LEVEL II Service Order. Activities that exceed the LEVEL II Service Order limit of liability may be addressed through Section 5.0 IDIQ.

C.3.5.9.2 Assets

PGDP site facilities are scheduled for building pest control services. Services for animal/carcass removal are site wide.

The following technical exhibits/attachments supplement this section to further define tasks under this Section.

1) Attachment J-8.C.3.0 Listing of Facilities Responsibility Matrix

2) Attachment J-8.C.3.5.3a Characteristics of Facilities for Surveillance and Maintenance, Others

3) Attachment J-8.C.3.5.3b Characteristics of Facilities for Surveillance and Maintenance, Assigned

4) Attachment J-8.C.3.5.9 Paducah Pest Control Facilities

C.3.5.9.3 Certification
The Contractor shall comply with the requirements of the Commonwealth of Kentucky in providing pest control services. All work shall be performed by certified individuals, and in accordance with federal, state, local, and installation laws and regulations. Evidence of such permits and licenses (see Section J, Attachment J-4, List of Deliverables) shall be provided to the Government before work commences.

C.3.5.9.4 Records
The Contractor shall maintain records of all pest control operations, both chemical and nonchemical, including surveillance. Records shall be made available upon request for inspection (see Section J, Attachment J-4, List of Deliverables).

C.3.5.9.5 Materials
All pesticides used by the Contractor shall be registered with the EPA and Commonwealth of Kentucky for the use intended. Labels and material safety data sheets for each pesticide proposed to be used shall be submitted to the Government for approval at least fourteen (14) calendar days prior to use (see Section J, Attachment J-4, List of Deliverables). Approvals may be limited to specific pests/sites. Proposed changes in approved pesticide usage shall be submitted to the Government for approval at least fourteen (14) calendar days in advance of the anticipated use.

1) All pesticide usage shall be in strict conformance with label directions. The Contractor shall maintain a label book of pesticides used, and have it readily available for the Government's inspection at all times.

2) All pesticides, rinse water, and containers shall be disposed of in accordance with label directions. Pesticides, rinse water, and containers shall not be disposed of on the PGDP.

3) Pesticide spills shall be cleaned, decontaminated, and reported to the Government as required by the WSHP and applicable environmental standards.

C.3.5.9.6 LEVEL I Pest Control Services: Scheduled Services

1) Program. The Contractor shall develop and implement an Integrated Pest Management Program (a planned program incorporating continuous monitoring, record-keeping, and communication to prevent pests and disease vectors from causing unacceptable damage to operations, personnel, property, or material, using targeted, sustainable methods) ensuring compliance with all other applicable Contractor programs to include, but not limited to the ISM System, ESH&Q and QA programs.

2) Inspections. The Contractor shall perform an initial inspection of all facilities as stated in Section C.3.5.9.2 Assets for structural pests (e.g., termites, carpenter ants, wood-destroying fungi, powder post beetles, and other wood-destroying pests) and general signs of nuisance pests (e.g., spiders, cockroaches, mice, silverfish) within 90 calendar days of NTP. The Contractor shall maintain an inspection system and perform inspections and tests for structural and nuisance pests. The findings of each inspection of a structure, including negative findings shall be reported to the Government. Completed inspection reports, including the initial inspection report (see Section J, Attachment J-4, List of Deliverables), shall be provided to the Government within 30 calendar days following the completion of each inspection. Inspections shall include, but not limited to, the following areas if accessible and unobstructed: plumbing in bathrooms, kitchens, laundry rooms, or other areas; window and door frames and sills; baseboards, flooring, walls, and ceilings; entrance steps and porches; exterior of slab or foundation walls; crawl spaces to include support piers and beams, floor joists, sill plates, and foundation walls; and weep holes.

3) Treatment. The Contractor shall provide pest control services on a scheduled basis for the control of cockroaches, ants, silverfish, spiders, mice, rats, and any other pest native to the Paducah, Kentucky area. Services shall be provided at the locations(s)/site(s) provided for in Section C.3.5.9.2 Assets, and as frequently as required to maintain the acceptable level of control.

4) Removal. The Contractor shall provide the removal of nuisance animals (e.g., skunks, opossums, snakes, cats, and dogs). The Contractor shall remove all dead or dying rodents or other animals, as needed. The Contractor shall coordinate these efforts and abide by all applicable requirements contained within the ISM System and ESH&Q programs.

5) Schedule. Annual service schedules shall be submitted to the Government for approval within 30 calendar days of initial inspection (see Section J, Attachment J-4, List of Deliverables). Schedules shall indicate the week of the month that monthly or

less frequent services shall be performed and be provided within the weekly maintenance report (Section C.3.5.2.5).

C.3.5.9.7 LEVEL II Pest Control Services: Unscheduled Service Request
The Contractor shall perform LEVEL II Service Orders in accordance with the standards and requirements of this Contract. LEVEL II Service Order work is comprehensive in nature for all assets. All requirements, standards, and controls under this Contract, that are applicable to PM LEVEL I task(s), remain applicable to LEVEL II Service Order task(s) unless waived by the Government.

Examples of LEVEL II Service Order work activities include, but are not limited to, building interiors and areas of buildings not covered by scheduled pest control services, around the exterior of buildings, and in adjacent exterior areas for the control of arthropods, rodents, and other crawling and flying pests.

C.3.5.9.8 Acceptable Level of Control
The Contractor shall eliminate structural and nuisance pests within 30 calendar days of completion of the initial inspection. After which, facilities shall remain free of any infestation.

C.3.6 RECORDS MANAGEMENT AND DOCUMENT CONTROL

C.3.6.1 GENERAL

The work activities in this section pertain to establishing and implementing a records management program for managing the historical records collection (see Attachment J-8.C.3.6.1, "***Historical Records Description***" and Section C.3.6.5.7, Historical Records) and newly generated/received records in all formats, including early capture and control throughout their life cycle. The Contractor shall ensure newly generated/received records are authentic, reliable, and usable and ensure they remain so for the length of their authorized retention period. This includes web content and other media used for official business resulting in the creation/receipt of agency records.

The Contractor shall coordinate with the PPPO Records Management Field Officer (RMFO) for records work flow related issues.

C.3.6.2 REQUIREMENT

All records will be managed in accordance with all prescribed laws, regulations, directives and processes to ensure adequate and proper documentation of the organizations, missions, functions, policies and decisions made under this Contract.

C.3.6.3 RECORDS MANAGEMENT PROGRAM

The Contractor shall serve as the Paducah Site-wide Records Custodian and shall manage all records (regardless of media) generated/received in the performance of the Contract, including records obtained from a predecessor contractor [historical records maintained on-site and at a Federal Records Center (FRC)] (see Section C.3.6.5.7 for historical records), and the Remediation and Deactivation contractors in accordance with 44 U.S.C. 21; 44 U.S.C. 29; 44 U.S.C. 31; 44 U.S.C. 33; 44 U.S.C. 36; 36 CFR Chapter XII, Subchapter B, *Records Management*; DOE O 243.1B, "*Records Management Program,"* and any other DOE requirements as directed by the CO. The Contractor shall be responsible for records management and document control in support of its operation, which includes records obtained from other contractors, DOE, and the historical record collections stored on-site and at the FRC. FRC locations are currently Dayton, Ohio, and Chicago, Illinois, and may also include Suitland, Maryland. All records subject to the management of the Contractor (e.g., records in support of its operation), are to be inventoried, scheduled and dispositioned in accordance with Federal laws, regulations, DOE Directives, and an approved Records Management Plan. The Records Management Plan (see Section J, Attachment J-4, List of Deliverables) shall be submitted to the Government for approval within 60 days of the NTP, and updated thereafter when changes occur.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report documenting number of employees/subcontractors receiving records management training; report by type of training and percent complete based on employee totals at month end.

C.3.6.3.1 Electronic Records Management System (ERMS)
The Contractor shall develop and implement records management controls to ensure that the identification, maintenance and disposition of all records (regardless of media), including electronic and email, are managed utilizing an ERMS (Documentum or equivalent) in accordance with Federal and DOE requirements and guidelines for all records, including historical records (see Section C.3.6.5.7, Historical Records), those received from DOE, and other contractors/subcontractors.

The Contractor shall develop and implement a process to ensure electronic records submitted to Records Management have been scanned or converted to meet National Archives and Records Administration (NARA) requirements, including those listed in Attachment J-8.C.3.6.5, **"*Selected NARA Requirements,*"** and a DOE-approved Image Quality Statistical Sampling Plan that is based on industry standards (see Section J, Attachment J-4, List of Deliverables). All records (regardless of media) must be scheduled, arranged, and cutoff by collections (e.g., case file, project, chronologically, numerically, alphabetically, etc.) for proper disposition in accordance with the NARA-approved DOE Records Disposition Schedules. The Contractor shall provide a web search capability for the ERMS to allow record searches. This search capability shall be made available to DOE and other contractors as authorized by the Government.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report of monthly ERMS statistics that includes, but is not limited to, the number of folders, records (classified and unclassified), record types (email, electronic, photographs, paper, etc.) and quality assurance records that have been imported into the ERMS by DOE Records Disposition Schedule and number of users.
2) Detailed report documenting the volume of records reviewed, number of pages, issues/errors found and error rate.
3) Detailed report documenting the volume of records imported into ERMS (Documentum or Equivalent), number of pages, issues/errors found and error rate.

C.3.6.3.2 Audiovisual Records
The Contractor shall implement records management requirements for the creation, maintenance and storage of audiovisual records in accordance with 36 CFR § 1237 and 36 CFR § 1235.42 and any updated NARA requirements/guidance.

C.3.6.3.3 Vital Records Program
The Contractor shall develop and implement a vital records plan, including a vital records inventory in accordance with 36 CFR § 1223, Managing Vital Records, and DOE O 243.1B, *"Records Management Program"* (see Section J, Attachment J-4, List of Deliverables).

C.3.6.3.4 Records Ownership
Except for those defined as Contractor-owned (in accordance with DEAR 970.5204-3, "Access to and Ownership of Records," see Section I), all records (see 44 U.S.C. 3301 for the statutory definition of a record) acquired or generated by the Contractor (and subcontractors) in the performance of this Contract including, but not limited to, records from a predecessor contractor (if applicable) and records described by the Contract as being maintained in Privacy Act Systems of Record (Clause H.29) shall be the property of the Government.

C.3.6.4 CREATION/RECEIPT

The Contractor shall develop and implement site-wide recordkeeping requirements that reflect adequate and proper documentation of all Contractor (and subcontractor) records generated / received (regardless of media) in the performance of their contracts as required by Federal regulations found in 36 CFR, Subchapter B, *Records Management*.

C.3.6.4.1 Electronic Information Systems
The Contractor shall manage records contained in electronic information systems (EIS) by incorporating recordkeeping controls into the system or export the records into the current ERMS (Documentum or equivalent) in accordance with 36 CFR Part 1236, Electronic Records Management. The Contractor shall design and implement migration strategies to counteract hardware and software dependencies of electronic records whenever the records must be maintained and used beyond the life of the information system in which the records are originally created and captured. The Contractor shall provide a list of all EIS to DOE

annually, utilizing the format provided by DOE (see Section J, Attachment J-4, List of Deliverables), including Contractor-owned records.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report documenting the systems/applications evaluated.

C.3.6.4.2 Inventory and File Plan
The Contractor shall develop and maintain up-to-date site-wide inventories, site-wide file plan and systems that provide for the identification, location, arrangement, assignment of disposition authority, and retrieval of all categories (record series) of records created and received (see Section J, Attachment J-4, List of Deliverables).

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report on site-wide inventories that includes, but is not limited to, the number of employees/subcontractors interviewed and record volumes by type (paper, electronic, etc.)
2) Detailed report on file plan revisions that includes, but is not limited to, new or discontinued disposition authorities.

C.3.6.5 MAINTENANCE/USE

The Contractor shall maintain and preserve all records, including the historical records collection (paper and electronic) stored on-site, at the FRC and in Documentum. Other entities on the Paducah Site such as USEC, the Remediation contractor, the Deactivation contractor, and DOE (including DOE's ETS contractor) will forward records to the Contractor for processing (validate/verify appropriate DOE Records Disposition Schedule has been made, import into Documentum, etc.). Records submitted by site contractors and their subcontractors shall be scheduled, scanned, pages rotated correctly, properly apply security markings, ensure scanned image is applied, clear and legible, and meets the NARA requirements listed in Attachment J-8.C.3.6.5, **"*Selected NARA Requirements.*"** Records obtained from DOE shall be scheduled, indexed, and processed in paper format. The Contractor shall be responsible for receipt (including reviewing documents for meeting electronic storage requirements), schedule verification/validation, importing into ERMS, storage/preservation, indexing (paper), retrieval, copying, and final turnover to DOE.

C.3.6.5.1 Quality Assurance Records
The Contractor shall ensure records identified as Quality Assurance records under American National Standards Institute (ANSI)/American Society of Mechanical Engineers (ASME) Nuclear Quality Assurance (NQA)-1 are categorized (lifetime/non-permanent); managed in accordance with NQA-1 and 36 CFR Chapter XII, Subchapter B; and are maintained for traceability to the applicable item, activity or facility.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Report of quality assurance records assigned to include record description (i.e., Instrument Calibration Records, Technical Qualification Records, etc.), DOE Records Disposition Authority, media and volume.

C.3.6.5.2 Privacy Act Records
The Contractor shall ensure records that contain personal information retrieved by name, or another personal identifier are maintained in Privacy Act Systems of Records, in accordance with Federal Acquisition Regulation (FAR) 52.224-2, Privacy Act, and DOE O 206.1, "*DOE Privacy Program*."

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Report of any breach of privacy information.

C.3.6.5.3 Classified Records
The Contractor shall protect and handle classified information and critical information in accordance with applicable laws, regulations, policies, and directives. Classified documents may be processed electronically so long as the computer systems meet all classified security requirements. Until the required computer systems are available to copy, log, process, transmit, and/or store classified documents, they shall be processed as hard copy. See Section C.3.3, Safeguards and Security.

C.3.6.5.4 Records Requests
The Contractor shall respond to records management data calls (see Section J, Attachment J-4, List of Deliverables) by NARA and DOE as requested and process record requests for the FOIA, the Privacy Act, the former worker medical screening program, the Chronic Beryllium Disease Prevention Program, congressional inquiries, legal discoveries, and other record requests (e.g., training, personnel, exposure, project, incident reports, visitor logs, etc.). The Contractor shall respond to FOIA requests within 10 business days, Privacy Act requests within 10 business days, litigation requests within 5 business days, and DOE requests within 2 business days.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report of monthly statistics that includes, but is not limited to, number of requests received and processed by type (i.e., FOIA, Privacy Act, Litigation, DOE, internal, etc.), document page count (if applicable) and processing times for each.

C.3.6.5.5 Administrative Records and Information Repository
The Contractor shall maintain the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and RCRA Administrative Records (AR), Administrative Records Files (ARF), and Post Decision (PD) ARFs in accordance with the CERCLA, as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), 42 U.S.C. 9601, et. seq., Environmental Protection Agency (EPA) guidance for CERCLA

Response Actions and 40 CFR Part 300, "National Oil and Hazardous Substances Pollution Contingency Plan" and the Hazardous and Solid Waste Amendments Act of 1984 (HSWA), 42 U.S.C. 6901, et. seq. The ARs are compilations of all documents that are considered or relied on when response-action decisions are made. Public participation in the development of the AR is required by law. Materials that are typically part of the project record and that have been identified for inclusion in the AR(s) and ARF(s) shall be duplicated in their entirety for both the project record and the AR(s). The Contractor shall maintain the AR current and accessible to the public via the internet. If redactions are needed for placement on the website, both the original and redacted versions must be maintained.

The Contractor shall submit CERCLA and RCRA ARF Quarterly Indices to DOE for review (see Section J, Attachment J-4, List of Deliverables).

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report documenting the Administrative Record and Information Repository that includes, but is not limited to, the number of documents received, processed and processing times.

C.3.6.5.6 Contaminated Records

The Contractor shall develop and implement a plan to incorporate the processing of newly generated and historical records from potentially contaminated areas and those stored in the records vaults into the WSHP and RPP to ensure the prompt transfer of records to the records vault and/or release for storage at an FRC/NARA. Contaminated records, depending on retention period, can be reproduced to allow for retention of the copy as the "record" and destruction of the contaminated copy. The Contractor shall develop and submit to DOE a quarterly six-month forecast schedule for health physics/radiological survey support for site-wide records management activities (See Section J, Attachment J-4, List of Deliverables).

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report on records management survey statistics that includes, but is not limited to, number of surveys conducted by organization and any backlog.

C.3.6.5.7 Historical Records

The Contractor shall ensure historical records, regardless of media, are stored appropriately in accordance with federal laws and DOE regulations for proper preservation and efficient retrieval. The Contractor shall manage the finding aids for all records stored at the FRC and NARA to ensure utilized when performing record searches. Historical paper records (including photographs/negatives) stored in the three vaults (C-100 upstairs, C-100 downstairs and C-710), the sealands and records abandoned in the various plants shall be organized, scheduled, indexed, boxed and disposition in paper or current format. The Contractor shall process the following records volumes on an annual basis:

Volume	Type of Record

800 cubic feet	Paper (C-100, C-710)
100 rolls	Microfilm
40 cubic feet	X-rays (much of which are deteriorating)
15 cubic feet	Audiovisual (photographs, negatives, tapes, etc.)
4 cubic feet	Contaminated
140 cubic feet	Sealands
48 cubic feet	Other field repositories

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report on monthly statistics documenting annual progress for the above record types.

C.3.6.6 RECORDS DISPOSITION

The Contractor shall develop and implement a Records Disposition Plan, which shall include processing records to storage (e.g., on-site, FRC) and the destruction process for records and information content (see Section J, Attachment J-4, List of Deliverables). The Contractor shall disposition all records including historical/legacy records in accordance with the NARA-approved DOE Records Disposition Schedules and applicable federal laws and regulations. Disposition activities include scanning to electronic (permanent to NARA), transferring of paper records to an FRC, maintain electronically in an ERMS, and/or destroy once retention has been met and proper approvals obtained.

1) Ensure proper DOE Records Disposition Schedule assigned, box, index, complete transfer paperwork, and obtain DOE RMFO approval prior to sending transfer paperwork and/or shipping inactive temporary records to a FRC and/or permanent records to the NARA.

2) Complete destruction certificate and submit to DOE RMFO for review and obtaining DOE Legal approvals prior to destruction.

NOTE: Paducah is currently under litigation moratorium which does not allow for the destruction of any records.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report on monthly statistics on records disposition activities that includes, but is not limited to, records transferred to the FRC/NARA, records eligible for destruction, and number of boxes destroyed.

C.3.6.7 DOCUMENT CONTROL

The Contractor shall develop, implement and maintain sound document control systems and processes ensuring efficient tracking, retrieval, revision control and distribution of documents, including drawings.

The Contractor's Monthly Progress Report (see Section C.2.4.1) shall include:

1) Detailed report on document control activities that includes, but is not limited to, new documents, revisions, and retrievals by record type.

C.3.7 MAIL SERVICES

C.3.7.1 GENERAL

The Contractor shall provide mail services and document pick-up services to the Government.

C.3.7.2 SCHEDULED SERVICE

The Contractor shall:

1) Operate the PGDP central mailroom. The Paducah Site mailroom shall serve as the centralized mail location for other site contractors to drop off and pick up inter-organizational mail.

2) Collect from a local United Postal Service Post Office Box and process classified mail for all site contractors and DOE (see Section C.3.3.4.5.1).

3) Collect and deliver inter-organizational and outgoing U.S. mail twice daily to C-103, DOE Site Office, Monday through Friday, (excluding Government holidays). The Contractor shall frank and post all outgoing U.S. mail for DOE by means of the Government postage meter.

C.3.8 RESERVED

C.3.9 TRAINING SERVICES

C.3.9.1 GENERAL

The Contractor shall provide specified training courses for personnel at the PGDP.

C.3.9.2 REQUIREMENT

The Contractor shall provide the delivery of the training courses listed in Attachment J-8.C.3.9.1, "Training Courses and Estimated Workload." Attachment J-8.C.3.9.1, "Training Courses and Estimated Workload" also provides an estimate of the training provided by the Contractor to all site contractors.

The Contractor shall develop, maintain, and implement a training program (computer based and instructor led in classroom), develop a training schedule, update and document necessary databases and systems related to the training program, notifying personnel of training needs, maintain training schedules, and provide site access training qualification records and cards. The Contractor shall submit the course content and training schedule (see Section J, Attachment J-4, List of Deliverables) to DOE for approval within 60 calendar days of the NTP.

The Government will provide the existing Computer Based Training modules to assist in the establishment of the training program.

Each contractor at the PGDP is responsible for providing additional training services specific for its work scope.

C.3.9.3 CONDUCT OF TRAINING

The Contractor shall provide the training courses to ensure compliance with applicable environmental health and safety laws and regulations. Training classes will be coordinated with other site contractors and tailored to the PGDP site activities. Furthermore, training program reciprocity/facility access between site contractors is required. The Contractor shall coordinate with other site contractors to consolidate training modules, where practicable. The Contractor shall review course content quarterly, and revise/update as necessary to meet current requirements and site conditions.

C.3.9.4 SERVICE

The Contractor shall develop a training schedule for site specific courses listed in Section C.3.9.2, Requirement. The training courses shall be scheduled throughout the year. The Contractor shall be responsible for coordinating with the other site contractors to ensure the appropriate and required training services are available to maintain compliance with general site access. The Contractor shall monitor the status of training and notify individuals of pending training needs a minimum of 30 calendar days prior to expiration of requisite training certifications. The Contractor shall, for those individuals not completing the requisite training by the required completion date, provide a notice of training non-compliance to the individual's company stating the person has not completed the requisite training and is to be placed on restrictions from general site access.

C.3.10 ON-SITE FUELING SERVICE

The Contractor shall provide on-site refueling capability through the on-site fueling station (C-752-B) for all site contractors and DOE. The refueling station shall support regular and alternative fuels, specifically E-85, as well as maintain the ability to expand if the fuel needs of the fleet changes, such as bio-diesel.

Costs for fuel shall be charged to each using customer, including DOE, on a cost reimbursement first-in-first-out (FIFO) basis for the cost of the fuel only. No indirect costs and/or profits shall be added to the fuel cost charged to customers. The cost to maintain and operate the fueling station shall be considered to be an infrastructure cost and is included within the firm-fixed-price CLIN.

C.3.11 ENERGY EMPLOYEES OCCUPATIONAL INJURY COMPENSATION PROGRAM ACT

The work scope under this section falls under the labor hour CLINs. Minimum labor qualifications for the EEOICPA Records Technician and EEOICPA Derivative Classifier are identified in Attachment J-8.C.3.11, ***"Minimum Labor Qualifications for EEOICPA CLIN."***

The EEOICPA establishes a program to provide compensation to current and former employees of the DOE, its contractors and subcontractors, companies that provided beryllium to DOE, and atomic weapons employers (AWEs). Under EEOICPA, the DOE has a requirement to verify employment histories, provide medical records, and provide radiation dose records and other information pertinent to National Institute for Occupational Safety and Health (NIOSH) radiation dose reconstruction and Department of Labor (DOL) Subtitle B and Subtitle E case preparation for anyone who applies for compensation under EEOICPA.

The Contractor shall establish a program and respond to the requirements of the EEOICPA for all employees the Contractor may have records for. The activities shall include:

1) Perform the work necessary to complete EE-5 Employment Verification Forms requested by DOL for the EEOICPA Subtitle B program.
2) Perform the work necessary to provide personnel exposure information requested by NIOSH as part of the EEOICPA Subtitle B program:
   a) Research and retrieve records needed to complete claims forms;
   b) If necessary, work with corporate entities or unions to verify employment of former site workers;
   c) Provide visitor personnel exposure or information requested;
   d) Complete declassification, as needed, of records required for the processing of claims form;
   e) Complete and sign off on all necessary claims forms associated with the request; and
   f) Return completed forms and records requested to NIOSH through the DOE Secure Electronic Records Transfer (SERT) system.
3) Perform the work necessary to complete Document Acquisition Requests (DARs) submitted by DOL as part of the EEOICPA Subtitle E program:
   a) Research and retrieve records needed to complete claims forms;
   b) If necessary, work with corporate entities or unions to verify employment of former site workers;
   c) Complete declassification, as needed, of records required for the processing of claims;
   d) Complete and sign off on all necessary claims forms associated with the request; and

   e) Return completed forms and records requested to DOL through the DOE SERT system.
4) Perform the work necessary to provide records requested by NIOSH or DOL as part of a site characterization or other special project under the EEOICPA program:
   a) Complete declassification, as needed, of records requested by NIOSH or DOL for site characterization research projects; and
   b) Coordinate all work with the site EEOICPA POC and the Office of Worker Screening and Compensation Support (AU-14) as applicable.
5) The Contractor shall respond to any other inquiries and perform special projects as required by the EEOICPA and approved by the Office of Worker Screening and Compensation Support (AU-14).
6) Perform other necessary EEOICPA related records work, as needed.
7) Maintain and appropriately arrange EEOICPA case files on all claims processed and ensure properly scheduled in accordance with the NARA-approved DOE Records Disposition Schedules.
8) Maintain local records to track the activities under EEOICPA and submit monthly financial reports through the DOE SERT system.

The response time for tasks (1) through (3) is 60 days from receipt of request.

The Contractor shall comply with the requirements of Section 3.3, Safeguards and Security, and C.3.6, Records Management and Document Control for the review and release of all records.

The Contractor shall not contest a state workers' compensation claim or award determined to be valid pursuant to Subtitle D of the EEOICPA.

The Office of Former Worker Screening Programs has developed a list of records that are essential for DOE to fulfill its role under EEOICPA and the Former Worker Medical Screening Program. This list is not all inclusive but provides sufficient information to allow the Contractor to understand the types of records, including those under the Privacy Act Systems of Records that are needed by the Government. Also included are records requirements to ensure records preservation.

Following is a list of records used to process Subtitle B (Employment Verification, NIOSH) and Subtitle E (Toxic Exposure) EEOICPA Claims. A subset of these records is also used in implementing the Former Worker Medical Screening Program. All of the following could be 'active' or 'inactive' records. They also may be in different media forms (i.e., paper, electronic, databases, microfiche, etc.).

<u>Employment Records</u>

- Employment Personnel Files
- Personnel Action Forms
- Employee Position Descriptions
- Job Assignment Outlines

<u>Medical Records</u>

- Occupational Medical Files
- Incident / Accident Reports
- X-Ray Reports
- General Physicals

- Performance Appraisals / Annual Reviews
- Job Acceptance Notices
- Termination Notices
- Human Resources Personnel Databases
- Personnel Security Badges
- Personnel Security Badging Databases
- Training Records / Training Records Database (rare use…if nothing else available)
- Job position descriptions

Project Records (For Projects involving Radiation/Hazardous Materials)

- Contracts
- Project Reports
- Hazard Assessments
- Monitoring Data
- Project Close Out Records

Dose Exposure Records

- Annual Summary Dose Reports
- Locator Cards (indicating dates, location and contractor/subcontractor of dosimeter assigned)
- Daily Area Exposure Reports
- Quarterly Area Exposure Reports Whole Body Reports
- Urinalysis Reports
- Bioassay Results
- Radiological & Environmental Sciences Lab Reports (by month)
- Visitor Dosimetry Badging Reports
- Incident / Accident Reports
- Various Radiological Control Databases
- Various Indexed Details Databases

Environmental Records

- Site ASER/Annual Environmental Reports
- Environmental Monitoring Databases
- Various Lab Work Results
- Notice of Injuries
- Notice of Return to Work
- Letters to/from Physicians
- Occupational Medical Databases
- Worker's Comp Files / Database

Toxic Exposure Records

- Industrial Hygiene Sampling Data
- Industrial Hygiene Hazard Assessments
- Industrial Hygiene Databases
- Safety Reports
- Site-Developed Area Descriptions and Associated Hazards
- Site-Developed Job Descriptions and Associated Hazards

Contractor Close-out Records

- Due Diligence Reports/Records

Facility Records

- Facility Maps, Building Maps/Floor Plans/drawings
- Facility Descriptions
- Facility Based Hazard Assessment/Inventory Records/Databases
- Facility Monitoring Records/Databases
- Facility Safety Analysis Reports
- Facility/Building Close Out Records
- Annual and/or monthly summary reports of production, safety, operation events, incidents, accomplishments relevant to exposures for a period of time.

C.3.12 CONTRACT CLOSEOUT

The Contractor shall provide all necessary support for a smooth Contract transition at the end of the Contract period. Six (6) months prior to the expiration of the Contract period (upon CO direction), the Contractor shall submit a Contract Close-out Plan (see Section J, Attachment J-4, List of Deliverables) to DOE for review and approval. The Contract Close-out Plan shall include all remaining administrative matters necessary to effectively and efficiently close out the Contract, including, but not limited to, resolution of remaining and open agreements and all records management activities. Records management activities include, but are not limited to, the remaining records retention and disposition activities (including the final active/inactive records inventory of both Government-owned and Contractor-owned records, and all media types), turnover of electronic records management systems and/or other electronic information systems, records finding aids or any other activities.

C.4.0 COST REIMBURSEMENT WORK

Unless specifically included in PWS Section C.4.0, all Contract requirements are included in the firm-fixed-price, labor hour, or IDIQ CLINs. The cost reimbursement CLIN includes the following specific cost reimbursement items. No direct labor costs, indirect costs, or fee shall be paid in addition to or related to cost reimbursement items included in PWS Section C.4.0.

C.4.1 BENEFIT PLANS

Costs for benefit plans shall be reimbursable in accordance with Section H, Clause H.6(E), Reimbursement of the Contractor Costs for Benefit Plans.

C.4.2 UTILITIES

The Contractor shall pay utility invoices received from the following energy suppliers in support of Paducah Site activities:

UTILITIES
Table of Remote Facilities

Type of Utilities	Vendor	Location/FIMS
Electric	Kentucky Utilities	C755-N Parking area
Electric	Kentucky Utilities	C-755- Complex once DOE Implements MOU
Electric	Kentucky Utilities	Northwest Pump and Treat Alternative Treatment Unit
Electric	Jackson Purchase	Landfill Ogden Landing C-746-U1
Electric	Jackson Purchase	Landfill Gate Operator C-746-U
Electric	Jackson Purchase	Landfill Sanitary C-746-S-1
Electric	Jackson Purchase	Leachate Treatment Building C-746-U3
Electric	Jackson Purchase	Leachate Coll-PO—02242 C-746-U3
Electric	Jackson Purchase	NE Plume Pump C-614
Electric	Jackson Purchase	Magazine Rd #1 EW 228
Electric	Jackson Purchase	Magazine Rd #1 EW 229
Propane Gas	Paducah Propane	C-743-T17
Telephone	Ballard Telephone	SAIC Facility 175 Freedom Blvd.
Telephone	AT&T	SAIC Facility 175 Freedom Blvd.
Telephone	AT&T	PGDP Site 5600 Hobbs Road Kevil-KY
Water/Sewer	Ballard County Economic & Industrial Development Board, Inc.	Kevil Facility Kevil-KY

Type of Utilities	Vendor	Location/FIMS
Water	Ballard County Economic & Industrial Development Board, Inc.	SAIC Facility 175 Freedom Blvd.
Water	West McCracken Water	Landfill Ogden Landing
Electric	Kentucky Utilities	Kevil Facility Kevil-KY
Gas	New Commonwealth Natural Gas	Kevil Facility Kevil-KY
Electric	Kentucky Utilities	C-103
Gas	ATMOS	C-752-A
Telephone	Bell South	EIC 115 Memorial Dr., Pad, KY 42001
Telephone	Ballard Telephone	Alarm Kevil Facility Kevil-KY
Telephone	Ballard Telephone	Kevil Facility Kevil-KY

The Contractor shall also provide payment on the Government's behalf for designated local residence water bills in accordance with the DOE Action Memorandum for the Water Policy at the Paducah Gaseous Diffusion Plant, DOE/OR/06-1201&D2.

C.4.3 DOE PHYSICALS

The Contractor shall provide medical screening of the DOE field office personnel, if required, to enter the work areas and meet the requirements of the WSHP (10 CFR § 851), or RPP (10 CFR § 835).

C.4.4 REPLACEMENT OF GOVERNMENT FURNISHED PROPERTY

The Contractor manages Government furnished property (see Attachment J-3, Accountable Property List) in accordance with C.2.5, Property Management, and C.3.5.1, Property Management Services. Accountable property approved by the Government to be replaced shall be reimbursed as a direct item of cost under this section of the Contract in accordance with FAR 52.245-1, "Government Property." In addition to items on the Accountable Property List, replacement of computer monitors shall also be a cost reimbursable item. All cost reimbursable purchases of property under this section shall be approved in advance by the Government, and title shall pass to and vest in the Government.

C.4.5 INTERAGENCY FLEET MANAGEMENT SYSTEM (IFMS) VEHICLES

IFMS vehicle costs shall be a reimbursable cost under this section in accordance with FAR Subpart 51.2, "Contractor Use of IFMS Vehicles."

C.4.6 SOFTWARE LICENSES

The Contractor shall purchase and manage identified software licenses necessary to perform the work under this Contract, the costs of which are reimbursable under this section. Identified

software licenses are specifically identified in Attachment J-8.C.3.4.2, ***"Information Technology System, Application Inventory, & Workload History."***

C.5.0 INDEFINITE DELIVERY/INDEFINITE QUANTITY WORK

Contract requirements which are not included above as part of the firm-fixed-price, labor hour, or cost reimbursement CLINs, or which are beyond the LEVEL II limit of liability (as defined in Section C.3.5.2), may be included in the IDIQ CLIN. Such work, tasks, and activities may include, but are not limited to, the task listings, descriptions, and related requirements per the IDIQ ELINs, Section J, Attachment J-10. Such work, tasks, and activities may also include, but are not limited to, the following general areas of the PWS:

1) Facilities maintenance, alterations, and recapitalization
2) Roads maintenance, alteration, and construction
3) Grounds maintenance
4) IT equipment, infrastructure support, and upgrades
5) Safeguards and security support
6) Engineering support
7) Training services
8) Records management support

Services of such personnel and/or completion of specific tasks shall be performed by the Contractor at the rates identified in Section J, Attachment J-10. If IDIQ work requires additional positions and/or tasks, the Government and the Contractor may negotiate the additional associated rates.

IDIQ work will be ordered by the Government under Task Orders issued pursuant to the Section H clause entitled "Task Ordering Procedure." The period of performance will be specified in each order. Performance standards for IDIQ work will be the same as those in PWS sections 2.0, 3.0, and 4.0 where applicable, unless otherwise stated.

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SECTION D - PACKAGING AND MARKING

D.1 PACKAGING

Preservation, packaging, and packing for shipment or mailing of all work delivered hereunder shall be in accordance with good commercial practices and adequate to ensure acceptance by common carrier and provide safe transportation at the most economical rate.

D.2 MARKING

(a) Each package, report, or other deliverable required by the Schedule, Performance Work Statement, or other parts of the Contract shall be accompanied by a letter, cover page or other document which:

(1) Identifies the Contract by number under which the item is being delivered.

(2) Identifies the deliverable Item Number per Section J and/or Report Requirement which requires the delivered item(s).

(3) Indicates whether the Contractor considers the delivered item to be a partial delivery or one that fully meets the delivery requirement.

(b) Except as agreed to in writing by the Contracting Officer (CO), for any package, report, or other deliverable being delivered to a party other than the CO, a copy of the document required in (a), above, shall be simultaneously provided to the CO or office administering the Contract, as identified in Section G of the Contract.

D.3 SECURITY REQUIREMENTS

The Contractor shall comply with the security requirements for packaging, marking, mailing, and shipping classified materials as prescribed by DOE Order 471.6, Information Security (Section J, Attachment J-2).

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SECTION E - INSPECTION AND ACCEPTANCE

The following Clause applies to the Firm-Fixed-Price Scope of the Contract:

E.1 FAR 52.246-4 INSPECTION OF SERVICES – FIXED PRICE (AUG 1996)

(a) Definition. "Services," as used in this clause, includes services performed, workmanship, and material furnished or utilized in the performance of services.

(b) The Contractor shall provide and maintain an inspection system acceptable to the Government covering the services under this contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the contract requires.

(c) The Government has the right to inspect and test all services called for by the contract, to the extent practicable at all times and places during the term of the contract. The Government shall perform inspections and tests in a manner that will not unduly delay the work.

(d) If the Government performs inspections or tests on the premises of the Contractor or a subcontractor, the Contractor shall furnish, and shall require subcontractors to furnish, at no increase in contract price, all reasonable facilities and assistance for the safe and convenient performance of these duties.

(e) If any of the services do not conform with contract requirements, the Government may require the Contractor to perform the services again in conformity with contract requirements, at no increase in contract amount. When the defects in services cannot be corrected by reperformance, the Government may—

(1) Require the Contractor to take necessary action to ensure that future performance conforms to contract requirements; and
(2) Reduce the contract price to reflect the reduced value of the services performed.

(f) If the Contractor fails to promptly perform the services again or to take the necessary action to ensure future performance in conformity with contract requirements, the Government may—

(1) By contract or otherwise, perform the services and charge to the Contractor any cost incurred by the Government that is directly related to the performance of such service; or
(2) Terminate the contract for default.

The following Clause applies to the Cost Reimbursement Scope of the Contract:

E.2 FAR 52.246-5 INSPECTION OF SERVICES – COST-REIMBURSEMENT (APR 1984)

(a) Definition. "Services," as used in this clause, includes services performed, workmanship, and material furnished or used in performing services.

(b) The Contractor shall provide and maintain an inspection system acceptable to the Government covering the services under this contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the contract requires.

(c) The Government has the right to inspect and test all services called for by the contract, to the extent practicable at all places and times during the term of the contract. The Government shall perform inspections and tests in a manner that will not unduly delay the work.

(d) If any of the services performed do not conform with contract requirements, the Government may require the Contractor to perform the services again in conformity with contract requirements, for no additional fee. When the defects in services cannot be corrected by reperformance, the Government may—

(1) Require the Contractor to take necessary action to ensure that future performance conforms to contract requirements; and
(2) Reduce any fee payable under the contract to reflect the reduced value of the services performed.

(e) If the Contractor fails to promptly perform the services again or take the action necessary to ensure future performance in conformity with contract requirements, the Government may—

(1) By contract or otherwise, perform the services and reduce any fee payable by an amount that is equitable under the circumstances; or
(2) Terminate the contract for default.

The following Clause applies to the Labor Hour Scope of the Contract:

E.3 FAR 52.246-6 INSPECTION – TIME-AND-MATERIAL AND LABOR-HOUR (MAY 2001)

(a) Definitions. As used in this clause—

"Contractor's managerial personnel" means any of the Contractor's directors, officers, managers, superintendents, or equivalent representatives who have supervision or direction of—

(1) All or substantially all of the Contractor's business;

(2) All or substantially all of the Contractor's operation at any one plant or separate location where the contract is being performed; or

(3) A separate and complete major industrial operation connected with the performance of this contract.

"Materials" includes data when the contract does not include the Warranty of Data clause.

(b) The Contractor shall provide and maintain an inspection system acceptable to the Government covering the material, fabricating methods, work, and services under this contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the contract requires.

(c) The Government has the right to inspect and test all materials furnished and services performed under this contract, to the extent practicable at all places and times, including the period of performance, and in any event before acceptance. The Government may also inspect the plant or plants of the Contractor or any subcontractor engaged in contract performance. The Government shall perform inspections and tests in a manner that will not unduly delay the work.

(d) If the Government performs inspection or test on the premises of the Contractor or a subcontractor, the Contractor shall furnish and shall require subcontractors to furnish all reasonable facilities and assistance for the safe and convenient performance of these duties.

(e) Unless otherwise specified in the contract, the Government shall accept or reject services and materials at the place of delivery as promptly as practicable after delivery, and they shall be presumed accepted 60 days after the date of delivery, unless accepted earlier.

(f) At any time during contract performance, but not later than 6 months (or such other time as may be specified in the contract) after acceptance of the services or materials last delivered under this contract, the Government may require the Contractor to replace or correct services or materials that at time of delivery failed to meet contract requirements. Except as otherwise specified in paragraph (h) of this clause, the cost of replacement or correction shall be determined under the Payments Under Time-and-Materials and Labor-Hour Contracts clause, but the "hourly rate" for labor hours incurred in the replacement or correction shall be reduced to exclude that portion of the rate attributable to profit. The Contractor shall not tender for acceptance materials and services required to be replaced or corrected without disclosing the former

requirement for replacement or correction, and, when required, shall disclose the corrective action taken.

(g)(1) If the Contractor fails to proceed with reasonable promptness to perform required replacement or correction, and if the replacement or correction can be performed within the ceiling price (or the ceiling price as increased by the Government), the Government may—

(i) By contract or otherwise, perform the replacement or correction, charge to the Contractor any increased cost, or deduct such increased cost from any amounts paid or due under this contract; or

(ii) Terminate this contract for default.

(2) Failure to agree to the amount of increased cost to be charged to the Contractor shall be a dispute.

(h) Notwithstanding paragraphs (f) and (g) of this clause, the Government may at any time require the Contractor to remedy by correction or replacement, without cost to the Government, any failure by the Contractor to comply with the requirements of this contract, if the failure is due to—

(1) Fraud, lack of good faith, or willful misconduct on the part of the Contractor's managerial personnel; or

(2) The conduct of one or more of the Contractor's employees selected or retained by the Contractor after any of the Contractor's managerial personnel has reasonable grounds to believe that the employee is habitually careless or unqualified.

(i) This clause applies in the same manner and to the same extent to corrected or replacement materials or services as to materials and services originally delivered under this contract.

(j) The Contractor has no obligation or liability under this contract to correct or replace materials and services that at time of delivery do not meet contract requirements, except as provided in this clause or as may be otherwise specified in the contract.

(k) Unless otherwise specified in the contract, the Contractor's obligation to correct or replace Government-furnished property shall be governed by the clause pertaining to Government property.

E.4 INSPECTION AND ACCEPTANCE

(a) Inspection of all items under this Contract shall be accomplished by the Contracting Officer (CO), the Contracting Officer's Representative (COR), or any other duly

authorized Government representative identified by the CO. The Contractor will be notified in writing or by a copy of the delegation of authority if a representative other than the CO or the COR identified in Section G of the Contract is designated.

(b) Acceptance of all work and effort under this Contract (including "Deliverables" in Section J, Attachment J-4) shall be accomplished by the CO, COR, or any other duly authorized Government representative identified by separate letter. Items, services, and deliverables under this Contract shall meet applicable Contract quality and quantity standards to be accepted.

(c) Final inspection and acceptance of the work under this Contract shall be accomplished by the CO upon completion of all Contract requirements.

E.5 INSPECTION BY REGULATORY AGENCIES

Work performed under this Contract is subject to inspection by State and Federal Government Regulatory agencies including those described below.

Permission has been granted by the DOE to allow Federal and State occupational health and safety officials to enter DOE installations, without delay and at reasonable times, to conduct routine safety and health investigations. Permission also extends to safety and health investigations based on reports of unsafe conditions.

The Contractor shall cooperate with regulatory agencies and shall provide personnel to accompany the agency inspection or review teams. Contractor personnel shall be knowledgeable concerning the work being inspected, and participate in responding to all requests for information, inspection or review findings by regulatory agencies.

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F.1 CLAUSES INCORPORATED BY REFERENCE

FAR 52.242-15 Stop Work Order (AUG 1989)
FAR 52.242-15 Stop Work Order (AUG 1989) – Alternate 1 (APR 1984)
FAR 52.242-17 Government Delay of Work (APR 1984)

F.2 PRINCIPAL PLACE OF PERFORMANCE

As shown in Section C, the principal place of performance shall be at the DOE Paducah Site located near Paducah, Kentucky.

F.3 PERIOD OF PERFORMANCE

The Contract transition period will be 60 days from the date of the written Notice to Proceed (NTP) prior to the base period of performance and the Contractor assuming full responsibility for the Performance Work Statement (PWS).

The base period of performance for the work specified in Section C, PWS, of this Contract is **36 months**. The base period of performance shall commence on [TBD] and continue through [TBD], unless terminated sooner as provided for in other provisions of this Contract.

The Contract includes one (1) 22-month option period that may be exercised unilaterally provided that the Government gives the Contractor a preliminary written notice of its intent to extend the Contract at least 60 days before the Contract expires in accordance with FAR 52.217-9, Option to Extend the Term of the Contract. The preliminary notice does not commit the Government to execute the option. Should the Government exercise the option hereunder, all contractual terms and conditions shall remain in effect. In the event the Government elects to exercise its option pursuant to the terms of this Contract, the period of performance for the option shall commence on [TBD] and continue through [TBD], unless terminated sooner as provided for in other provisions of this Contract.

F.4 DELIVERABLES

All products, reports, and deliverables (Section J, Attachment J-4) under this Contract shall be delivered to the Contracting Officer shown in Section G or to the duly authorized representative of the Contracting Officer, as designated in writing by the Contracting Officer.

NOTE: Deliverables requirements under the Contract should be submitted to the Government via Electronic format. The file document(s) format should be Microsoft Office Version 2007 compatible and an unprotected version. The documents may be

submitted via email as 'attachment(s)', file size permitting. Else, the deliverables should be submitted on a CD-ROM.

F.5 NORMAL HOURS OF OPERATION

Normal hours of operation are 7:00 AM to 5:00 PM Monday through Friday.

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SECTION G - CONTRACT ADMINISTRATION DATA

G.1 CORRESPONDENCE PROCEDURES

To promote timely and effective administration, all correspondence, reports, and other documents submitted under this Contract shall be subject to the following procedures:

(a) Technical Correspondence. Technical correspondence concerning performance of this Contract (as used herein, this term excludes technical correspondence where patent or technical data issues are involved and correspondence which proposes or otherwise involves waivers, deviations, or modifications to the requirements, terms, or conditions of this Contract) shall be addressed to the Contracting Officer's Representative (COR) with an information copy of the correspondence to the Contracting Officer (CO). Technical correspondence pertains to issues relating to work effort of the Contract or requests for approval of reports, drawings or other work products.

(b) Patents Correspondence. The Chicago Operations Office, acting through the Intellectual Property Law Division of the Office of Chief Counsel, DOE, 9800 South Cass Avenue, Argonne, Illinois, 60439, is hereby designated to represent the CO in administering the Patent Clauses in this Contract. Correspondence concerning patent and technical data issues shall be addressed to the Chicago Operations Office in care of Gary Drew, Assistant Chief Counsel for Intellectual Property, One Cyclotron Road MS90-1023, Berkeley, CA, 94720, with copies to the Environmental Management Consolidated Business Center (EMCBC) Office of Legal Services, the CO, and the COR.

(c) Other Correspondence. All correspondence, other than technical correspondence, shall be addressed to the CO, with information copies of the correspondence to the COR. The Contractor shall use the COR as the point of contact on technical matters, subject to the restrictions of the clause in Section I entitled "DEAR 952.242-70 Technical Direction (DEC 2000)."

(d) Subject Line(s). All correspondence shall contain a subject line including the contract number and the subject topic.

"SUBJECT: CONTRACT NO. DE-EM0003733"
(Insert subject topic after contract number, e.g., "Request for Subcontract Consent").

(e) Electronic Media for Reports/Plans/Documents. All required reports, plans, and other documents shall be submitted to DOE electronically, and upon request by the DOE CO or the DOE COR, in hard copy form. The Contractor will prepare the requested reports and documents via site standard software and provide a copy on diskette or Compact Disk (CD-R, CD-RW) as required by the size of the document. The data shall be in a format that will allow conversion to Portable Document Format (PDF) or

Hyper Text Markup Language (HTML) for potential posting on the Internet, Intranet, or in an electronic library. If other software is used, the documents shall be scanned and then provided on diskette or Compact Disk. Electronic data shall be available within five days of the DOE request.

G.2 DOE CONTRACTING OFFICER'S REPRESENTATIVE

The Contracting Officer's Representative(s) will be designated by separate letter and will represent the CO in the technical phases of the work in accordance with the Section I clause entitled DEAR 952.242-70, "Technical Direction." A copy of this designation letter shall be furnished to the Contractor. The COR is not authorized to change any of the terms and conditions of this Contract. Changes in the Contract, including Section C, will be made only by the CO by properly written modification(s) to the Contract.

The COR(s) for the purposes of monitoring and coordinating the technical requirements of this Contract is:

Jennifer Woodard
U.S. Department of Energy
Portsmouth/Paducah Project Office
P.O. Box 1410
Paducah, KY 42002-1410

G.3 CONTRACT ADMINISTRATION

The correspondence address of the DOE Contracting Officer (CO) is:

David Senderling
U.S. Department of Energy
Portsmouth/Paducah Project Office
1017 Majestic Dr., Suite 200
Lexington, KY 40513-0066

Written communication shall make reference to the contract number and shall be mailed to the above address.

G.4 BILLING INSTRUCTIONS

(a) Contractors shall submit one monthly invoice which provides an itemization by Contract Line Item Number (CLIN) using the Standard Form 1034 (Public voucher for Purchases and Services Other Than Personal) electronically through the Oak Ridge Financial Service Center's (ORFSC) Vendor Inquiry Payment Electronic Reporting System (VIPERS). The VIPERS system allows vendors to submit invoices, attach supporting documentation and check the payment status of any

voucher submitted to the DOE. Submitting electronically provides benefits to vendors by:

- Reducing the cost of paper and postage.
- Allowing supporting documentation to be attached and routed with the voucher to program and approving officials.
- Immediately interfacing invoices to DOE's accounting system saving several days of mail and manual processing time.
- Decreasing potential errors caused by manual input.
- Facilitating the prompt payment of invoices.

(b) To obtain access to and to use VIPERS, please visit the web page at https://vipers.oro.doe.gov. Detailed instructions on how to enroll and use the system are provided on the web page. Please do not send a paper copy of a voucher that has been submitted electronically. The invoice must include a statement of cost and supporting documentation for services rendered. This statement should include, as a minimum, a breakout by cost or price element and program value level of all services actually provided by the Contractor, both for the current billing period and cumulatively for the entire contract.

(c) For Firm-Fixed-Price CLINs and Firm-Fixed-Price Task Orders issued under the IDIQ CLINs, the monthly invoice shall be submitted in accordance with FAR 52.232-1, Payments (APR 1984). Invoices for Firm-Fixed-Price CLINs must include the amount for the monthly invoicing period that reflects the price specified in Section B.3 for that particular CLIN, which is the total firm-fixed-price divided by the stated quantity. Invoices for each Firm-Fixed-Price Task Order under the IDIQ CLINs must include the amount for the monthly invoicing period that reflects the price specified in the applicable Task Order. Invoices submitted by the Contractor shall be reduced by the value of any work not performed in accordance with the Contract requirements during the invoice period. The invoice must include a complete Monthly Progress Report (see Section C.2.4.1).

(d) For Labor Hour CLINs, the monthly invoice shall include:

(i) The direct productive labor hours incurred during the current billing period. The direct product labor hours incurred during the current billing period shall be broken down into hours worked, names of employees who incurred the cost, and specific tasks associated with the billing. A cumulative summary for direct productive labor hours expended and the associated billing amounts charged shall also be provided.

(e) For Cost Reimbursement CLINs and Cost Reimbursement Task Orders issued under the IDIQ CLINs, the monthly invoice shall include:

(i) A breakout by Exhibit Line Item Number (ELIN) and/or functional area of the Performance Work Statement for all services actually provided by the Contractor and authorized for payment under the payment provisions of the Contract and/or Task Order for the current billing period. All costs incurred and billed during the current billing period shall be adequately supported, and referenced to the specific ELIN associated with the billing.

(ii) The invoice must include a certification statement signed by a responsible official of the Contractor.

(f) Each monthly invoice shall include a certification signed by the responsible official of the Contractor.

(g) In accordance with FAR 52.232-25, Prompt Payment, the Government will make payments to the Contractor by electronic funds transfer not later than thirty (30) calendar days after receipt of an acceptable invoice from the Contractor.

(h) Any basis for invoice withholding, adjustment or reduction which is discovered after payment will be corrected on subsequent invoices. If the Government discovers such defects, the CO will notify the Contractor in writing. The CO's written notification will explain the nature of the basis for withholding, adjustment, or reduction, and will specify the dollar amount of the withholding, adjustment or reduction.

(i) The Contractor shall submit one copy of the invoices, including all supporting documentation, to the attention of the CO and the Budget Analyst at the following address:

United States Department of Energy
Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, KY 40513-0066

(j) Nothing in this section shall affect the rights of either the Government or the Contractor under the Section I clause entitled FAR 52.232-25, Prompt Payment, of this Contract. The Government may notify and/or initiate withholding, adjustment, or reduction any time prior to final payment under this Contract.

G.5 DOE-G-1005 OBSERVANCE OF LEGAL HOLIDAYS

(a) The on-site Government personnel observe the following holidays:

New Year's Day
Martin Luther King, Jr.'s Birthday
President's Day
Memorial Day

Independence Day
Labor Day
Columbus Day
Veterans Day
Thanksgiving Day
Christmas Day
Any other day designated by Federal statute, Executive order, or the President's proclamation.

(b) When any holiday falls on a Saturday, the preceding Friday is observed. When any holiday falls on a Sunday, the following Monday is observed. Observance of such days by Government personnel shall not by itself be cause for an additional period of performance or entitlement of compensation except as set forth within the Contract.

G.6 DEFECTIVE OR IMPROPER INVOICES

Invoices not conforming to (a)(3) of contract clause FAR 52.232-25, Prompt Payment, shall be deemed improper and thus defective. The Contractor shall provide the name, title, phone number, office name, and complete mailing address of officials of the business concern who are to be notified when the Government receives a defective or improper invoice.

<To Be Inserted >

G.7 CONTRACTOR'S POINT OF CONTACT

The Contractor shall identify to the CO the official who has the authority to sign this Contract and who is also responsible for negotiating changes or modifications to the terms and conditions of this Contract.

< To Be Inserted >

G.8 CONTRACTING OFFICER AUTHORITY

In no event shall any understanding or agreement between the Contractor and any Government employee other than the CO on any contract, modification, change order, letter or verbal direction to the Contractor be effective or binding upon the Government. All such actions must be formalized by a proper contractual document executed by the appointed CO. The Contractor is hereby put on notice to make inquiry of the CO if, at any time, they are directed to perform work that they suspect may be outside of the scope of the Contract. Payments will not be made without being authorized by the appointed CO with the legal authority to bind the Government.

G.9 DOE-G-1010 NONSUPERVISION OF CONTRACTOR EMPLOYEES ON GOVERNMENT FACILITIES

The Government shall not exercise any supervision or control over Contractor employees performing services under this Contract. The Contractor's employees shall be held accountable solely to the Contractor's management, who in turn is responsible for contract performance to the Government.

PART I – THE SCHEDULE
SECTION H – SPECIAL CONTRACT REQUIREMENTS

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SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 DOE-H-1051 CONSECUTIVE NUMBERING (MAY 2009)

Due to automated procedures employed in formulating this document, clauses and provisions contained within may not always be consecutively numbered.

H.2 DOE-H-1004 NO THIRD PARTY BENEFICIARIES

This Contract is for the exclusive benefit and convenience of the parties hereto. Nothing contained herein shall be construed as granting, vesting, creating, or conferring any right of action or any other right or benefit upon past, present, or future employees of the Contractor, or upon any other third party. This provision is not intended to limit or impair the rights which any person may have under applicable Federal statutes.

H.3 DOE-H-1005 WORKER'S COMPENSATION INSURANCE

(a) Contractors, other than those whose workers' compensation coverage is provided through a state funded arrangement or a corporate benefits program, shall submit to the Contracting Officer for approval all new compensation policies and all initial proposals for self-insurance (contractors shall provide copies to the Contracting Officer of all renewal policies for workers compensation).

(b) Workers compensation loss income benefit payments, when supplemented by other programs (such as salary continuation, short-term disability) are to be administered so that total benefit payments from all sources shall not exceed 100 percent of the employee's net pay.

(c) Contractors approve all workers compensation settlement claims up to the threshold established by the Contracting Officer for DOE approval and submit all settlement claims above the threshold to DOE for approval.

(d) The Contractor shall obtain approval from the Contracting Officer before making any significant change to its workers compensation coverage and shall furnish reports as may be required from time to time by the Contracting Officer.

H.4 DEFINITIONS

For purposes of Clauses H.5 through H.10 the following definitions are applicable (unless otherwise specified):

(A) "Grandfathered Employees" means those employees who meet the definition of "Grandfathered Employees" set out in the East Tennessee Technology Park Pension Plan for Grandfathered Employees (ETTP MEPP).

(B) "Non-Grandfathered Employees" means those employees who do not meet the definition of "Grandfathered Employees" set out in the ETTP MEPP.
(C) "SST" means Swift & Staley Mechanical Contractors, Inc. (SST) and its first and second tier subcontractors under DOE Contract DE-AC30-10CC40021.
(D) "SST Incumbent Employees" means employees who, as of the date of award (1) hold regular appointments or who are regular employees on the rolls of SST and Grandfathered Employees on the rolls of SST's first and second tier subcontractors; and (2) are employed at the Paducah Gaseous Diffusion Plant Site under DOE Contract DE-AC30-10CC40021.
(E) "UCOR" means URS CH2M Oak Ridge, LLC under Contract DE-SC0004645.
(F) "USEC" means the United States Enrichment Corporation.
(G) "USEC Employees" means those individuals who are regular employees of USEC at the Paducah Gaseous Diffusion Plant Site, and on the rolls of USEC as of the date of award.

H.5 HIRING PREFERENCES

The Contractor shall comply with the hiring preferences set forth below.

(A) The right of first refusal for employment in Section I, FAR 52.222-17 (MAY 2014) Nondisplacement of Qualified Workers, is applicable to the service employees employed under the SST Contract Number DE-AC30-10CC40021 (hereinafter SST DOE Contract), for the same or similar services, which are to be performed by the Contractor and its subcontractors. The Contractor shall comply with the right of first refusal for employment for service employees and all of the requirements set forth in FAR 52.222-17 Nondisplacement of Qualified Workers for the applicable work and positions before applying any of the hiring preferences in paragraph (B) below. If a service employee employed under the SST DOE Contract declines a bona fide express offer of employment under Paragraph (A) above, the Contractor need not provide the right of first refusal or the preference in hiring specified in paragraphs (B)(1)(a) and (b) below to such employee, but shall provide all other preferences in hiring in Paragraph (B) below, as applicable.

(B) The Contractor shall provide, during the transition period and throughout the period of performance, preferences in hiring for vacancies at the Paducah Gaseous Diffusion Plant for non-managerial positions (i.e., all those below the first line of supervision) in non-construction activities of the PWS under this Contract, in accordance with the hiring preferences in paragraphs (1) – (5) below (subject to paragraph (A) above, any applicable collective-bargaining agreement(s), applicable law, and applicable site seniority lists), as set forth below.

(1) The Contractor shall provide SST Incumbent Employees and USEC Employees employed at the Paducah Gaseous Diffusion Plant Site who have been identified by their employer as being at risk of being involuntarily separated, the preferences in paragraphs (a) – (c) in descending order of priority:

(a) A right of first refusal for vacancies in non-managerial positions that are substantially equivalent to the positions the above employees held at the time such were identified as being at risk of being involuntarily separated.
(b) A preference in hiring in for vacancies in non-managerial positions for the above employees who meet the qualifications for the position.
(c) A preference in hiring for vacancies in non-managerial positions for the above employees who may not meet the qualifications for the position, but who agree to become qualified and can become qualified by the commencement of active employment under this Contract with the training as provided for in paragraph (6) below.

(2) The Contractor shall give a preference in hiring to individuals (1) who are former employees of USEC or former employees of SST and (2) who are entitled to recall rights consistent with any applicable site seniority lists and any applicable collective bargaining agreement(s) at the Paducah Gaseous Diffusion Plant Site.

(3) The Contractor shall give a preference in hiring to individuals set forth below in paragraphs (a) – (c), in descending order of priority, who are eligible for the hiring preference contained in the clause in Section I of this Contract entitled "DEAR 952.226-74, Displaced Employee Hiring Preference" (including USEC employees who are eligible for the preference pursuant to 42 U.S.C. §2297h-8(a)(5)) consistent with the provisions of any applicable Work Force Restructuring Plan, as amended from time to time, regarding the preferential hiring of employees:
(a) Grandfathered Employees who are former employees of SST or who are former employees of USEC at the Paducah Gaseous Diffusion Plant Site;
(b) Former employees of USEC or of SST, or any other DOE contractor or subcontractor of a DOE contractor at the Paducah Gaseous Diffusion Plant Site; and
(c) Former employees of any other DOE contractor or subcontractor at a DOE defense nuclear facility.

(4) The Contractor shall give a preference in hiring to individuals (1) who were formerly employed at the Paducah Gaseous Diffusion Plant Site by USEC or SST; and (2) who were involuntarily separated (other than for cause) from their employment at the Paducah Gaseous Diffusion Plant Site; and (3) who are qualified for the position or who may not meet the qualifications for a particular position, but who agree to become qualified and can become qualified by the commencement of active employment under this Contract.

(5) The Contractor shall give a preference in hiring to individuals (1) who have separated from employment at the Paducah Gaseous Diffusion Plant Site (2) who are not precluded from seeking employment at the Paducah Gaseous Diffusion Plant Site by the terms of employee waivers or releases of claims they executed absent repayment of severance consistent with the terms of those agreements; and

(3) who are qualified for a particular position or who may not meet the qualifications for a particular position, but who agree to become qualified and can become qualified by the commencement of active employment under this Contract.

(6) The Contractor will establish a training program specifically for the purpose of training individuals for the purpose specified in paragraph (B)(1)(c) above.

H.6 PAY AND BENEFIT PLANS

The Contractor shall establish pay and benefit programs for employees in accordance with the Service Contract Act (including Section 4(c)) and other applicable law, the terms and conditions of this Contract, applicable collective bargaining agreement(s), and the following requirements as set forth below; provided, however, that employees scheduled to work fewer than 20 hours per week receive only those benefits required by law. Employees are eligible for benefits, subject to the terms, conditions, and limitations of each benefit program.

(A) Definitions

(1) Commingled Plans. Cover employees from the Contractor's private operations and its DOE contract work.
(2) Current Liability. The sum of all plan liabilities to employees and their beneficiaries. Current liability includes only benefits accrued to the date of valuation. This liability is commonly expressed as a present value.
(3) Defined Benefit Pension Plan. Provides a specific benefit at retirement that is determined pursuant to the formula in the pension plan document.
(4) Defined Contribution Pension Plan. Provides benefits to each participant based on the amount held in the participant's account. Funds in the account may be comprised of employer contributions, employee contributions, investment returns on behalf of that plan participant and/or other amounts credited to the participant's account.
(5) Designated Contract. A contract (other than a prime cost reimbursement contract for management and operation of a DOE facility) for which the Head of the Departmental Contracting Activity determines that advance pension understandings are necessary or where there is a continuing Departmental obligation to the pension plan.
(6) Pension Fund. The portfolio of investments and cash provided by employer and employee contributions and investment returns. A pension fund exists to defray pension plan benefit outlays and (at the option of the plan sponsor) the administrative expenses of the plan.
(7) Separate Accounting. Account records established and maintained within a commingled plan for assets and liabilities attributable to DOE contract service. NOTE: The assets so represented are not for the exclusive benefit of any one group of plan participants.

(8) Separate Plan. Must satisfy IRC Sec. 414(1) definition of a single plan, designate assets for the exclusive benefit of employees under DOE contract, exist under a separate plan document (having its own Department of Labor plan number) that is distinct from corporate plan documents and identify the contractor as the plan sponsor.

(9) Spun-off Plan. A new plan which satisfies IRC Reg. 1.414 (l)-1 requirements for a single plan and which is created by separating assets and liabilities from a larger original plan. The funding level of each individual participant's benefits shall be no less than before the event, when calculated on a "plan termination basis."

(B) Pension, Post-Retirement Benefits (PRB), Severance and Other Benefit Programs

(1) Background of Pension and Benefit Plans

(a) The East Tennessee Technology Park Pension Plan for Grandfathered Employees (ETTP MEPP is a multi-employer pension plan which covers eligible employees (both bargaining and non-bargaining unit (exempt and nonexempt)) of certain U.S. Department of Energy (DOE) prime contractors and their subcontractors. UCOR is the current lead sponsor of the ETTP MEPP. The ETTP MEPP is managed and administered by the Benefits Investment Committee which is composed of representatives from each of the sponsoring employers.

(b) The East Tennessee Technology Park Multiple Employer Welfare Arrangement, (ETTP MEWA) contains provisions for medical and insurance benefits for eligible employees of certain DOE contractors and subcontractors and their beneficiaries. UCOR is the current lead sponsor of the ETTP MEWA. The ETTP MEWA is managed and administered by the Benefits Investment Committee which is composed of representatives from each of the sponsoring employers.

(2) Special Provisions Applicable to Employee Benefits.

(a) Benefit Plans. The Contractor shall provide pension and other benefit plans to Grandfathered Employees and all other employees hired by the Contractor and shall provide service credit for leave as set forth below:

(1) Grandfathered Employees. Grandfathered Employees shall be provided pension and other benefits consistent with applicable law, any applicable collective bargaining agreement(s), and the provisions of the ETTP MEPP, and the ETTP MEWA, or comparable PRB plans. To the extent that the tax-qualified status of those plans is not jeopardized (see (D)(1) below), no employee who qualifies as a Grandfathered Employee under the ETTP MEPP shall lose the right to participate in the ETTP MEPP as a result of this transition. However, if the participation of a particular classification of employees (e.g., highly compensated employees) could jeopardize the tax qualifications of the ETTP MEPP), the contractor shall take appropriate action as necessary to ensure the ETTP MEPP remains qualified under the IRC, consistent with the processes and procedures set

forth herein. Consistent with the terms of the plan(s), any transition of the employees from SST to the Contractor shall not constitute a break in service under the ETTP MEPP and ETTP MEWA.

(2) Non-Grandfathered Employees. Non-Grandfathered Employees shall receive a benefits package that provides for market-based retirement and medical benefit plans that are competitive with the industry from which the Contractor recruits its employees and in accordance with this Contract, any applicable collective bargaining agreement(s), and applicable law, including Section 4(c) of the Service Contract Act.

(3) Severance pay.

(i) The Contractor shall credit (1) SST Incumbent Employees who meet the eligibility requirements of the East Tennessee Technology Park Severance Plan for Grandfathered Employees (ETTP Severance Plan), and (2) who are hired by the Contractor under this Contract, with their current length of service except for any period of prior service for which severance pay has been previously paid through a DOE cost-reimbursement contract.

(ii) Severance Pay is not payable to an employee under this Contract if the employee:

(aa) Voluntarily separates, resigns or retires from employment,
(bb) Is offered employment with a successor/replacement contractor,
(cc) Is offered employment with a parent or affiliated company, or
(dd) Is discharged for cause.

(4) Service Credit for benefits other than severance.

(i) For Leave. The Contractor shall carry over credit for service under the SST DOE Contract for purposes of determining rates of accruing leave for these employees as required by and consistent with any applicable collective bargaining agreement(s) and applicable law.

(ii) For Fringe Benefits Other Than Leave. Service credit for all individuals hired by the Contractor shall be applied consistent with any applicable collective bargaining agreement(s), applicable law, and the terms of the applicable benefit plan(s).

(3) Administrative Agreements with Lead Sponsor. The lead sponsor (UCOR) or a lead sponsor successor of the ETTP MEPP, ETTP MEWA and other benefit plans in which UCOR or a lead sponsor successor are participating employers/sponsors, shall have responsibility for management and administration of these plans, consistent with plan documents and any other administrative documents. UCOR or a successor lead sponsor shall provide management and administrative services for the Contractor for the ETTP MEPP, ETTP MEWA, and other benefit plans in which the Contractor and UCOR or a successor lead sponsor are participating employers/sponsors. The Contractor shall enter into administrative agreements with the lead sponsor, UCOR, or a successor lead sponsor, for the management and administration of these plans when the Contractor has Grandfathered Employees participating in the ETTP Plan(s).

(4) Pension and Other Benefit Programs

(a) No presumption of allowability will exist when the Contractor implements a new benefit plan or makes changes to existing benefit plans for which DOE reimburses costs until the Contracting Officer makes a determination of cost allowability for reimbursement for new or changed benefit plans.

(b) Cost reimbursement for pension and other benefit (except severance) plans for which DOE reimburses costs will be based on the Contracting Officer's approval of Contractor actions pursuant to an approved "Employee Benefits Value Study" and an "Employee Benefits Cost Survey Comparison" as described below.

(c) Unless otherwise stated, or as directed by the Contracting Officer, the Contractor shall submit the studies required in paragraphs (1) and (2) below. The studies shall be used by the Contractor in calculating the cost of benefits under existing benefit plans for which DOE reimburses costs. An Employee Benefits Value (Ben-Val) Study method using no less than 15 comparator organizations and an Employee Benefits Cost Survey comparison method shall be used in this evaluation to establish an appropriate comparison method. In addition, the Contractor shall submit updated studies to the Contracting Officer for approval prior to the adoption of any change to a pension or other benefit plan.

(1) The Ben-Val, every two years for each benefit tier (e.g., group of employees receiving a benefit package based on date of hire), is an actuarial study of the relative value (RV) of the benefits programs for which DOE reimburses costs offered by the Contractor to employees measured against the RV of benefit programs offered by comparator companies approved by the Contracting Officer. To the extent that the value studies do not address post-retirement benefits other than pensions, the Contractor shall provide a separate cost and plan design data comparison for the post-retirement benefits other than pensions using external benchmarks derived from nationally recognized and Contracting Officer approved survey sources; and

(2) An Employee Benefits Cost Study Comparison, annually for each benefit tier, that analyzes the Contractor's employee benefits cost on a per capita basis per full time equivalent employee and as a percent of payroll and compares it with the cost reported by the U.S. Department of Labor's Bureau of Labor Statistics or other Contracting Officer approved broad based national survey.

(3) Corrective Action Plans.

(i) When the net benefit value exceeds the comparator group by more than five percent, the Contractor shall submit a corrective action plan to the Contracting Officer for approval, unless waived by the Contracting Officer.

(ii) When the average total benefit per capita cost or total benefit cost as a percent of payroll exceeds the comparator group by more than five

percent, the Contractor shall submit an analysis of the specific plan costs that are above the per capita cost range or total benefit cost as a percent of payroll and a corrective action plan to achieve conformance with a Contracting Officer directed per capita cost range or total benefit cost as a percent of payroll, unless waived by the Contracting Officer.

(iii) Within two years of Contracting Officer approval of the Contractor's corrective action plan, the Contractor shall align employee benefit programs with the benefit value and per capita cost range or percent of payroll as approved by the Contracting Officer.

(d) To the extent that the Contractor sponsors benefit plans for which the Department reimburses costs under this Contract, the Contractor may not terminate any benefit plan for which DOE reimburses costs during the term of the Contract without the prior approval of the Contracting Officer in writing.

(e) Cost reimbursement for post-retirement benefits other than pensions (PRBs) is contingent on DOE approved service eligibility requirements for PRBs that shall be based on a minimum period of continuous employment service not less than five years under a DOE cost-reimbursement contract(s), immediately prior to retirement. Notwithstanding the previous sentence, the costs of PRBs will be reimbursed for individuals meeting the eligibility requirements of any applicable employee benefit plan approved for these purposes by DOE. Unless required by Federal or state law, advance funding of PRBs is not allowable.

(f) If the Contractor sponsors a pension and/or postretirement benefit plan for which DOE reimburses costs, the Contractor will participate in the annual plan management process which includes written responses to a questionnaire regarding plan management, providing forecasted estimates of future reimbursements in connection with the plan and participating in a conference call to discuss the contractor submission.

(g) The contractor will respond to quarterly data calls issued through iBenefits, or its successor system, for benefits for which DOE reimburses costs.

(C) Establishment and Maintenance of Pension Plans for which DOE Reimburses Costs

(1) Employees working for the Contractor shall only accrue credit for service under this Contract after the date of Contract award.

(2) Except for Commingled Plans in existence as of the effective date of the contract, any pension plan maintained by the Contractor for which DOE reimburses costs shall be maintained as a separate pension plan distinct from any other pension plan that provides credit for service not performed under a DOE cost-reimbursement contract. When deemed appropriate by the Contracting Officer, Commingled Plans shall be converted to separate plans at the time of new contract award or the extension of a contract.

(D) Basic Requirements

(1) The Contractor shall become a sponsor of the existing ETTP MEPP if and when it hires employees who are eligible to participate in those plans, and the ETTP MEWA, or comparable PRB plans, with responsibility for management and administration of the plans and consistent with applicable law. If the Contractor determines that there are no practicable means of doing the above in a manner that would maintain its segment of those plans on a tax-qualified basis, the Contractor must demonstrate to the satisfaction of the Contracting Officer that there are no practicable means of doing so and that those employees who would otherwise have been eligible to participate in the ETTP MEPP or ETTP MEWA should be provided a package of benefits substantially equivalent to the ETTP MEPP or ETTP MEWA, as applicable in the circumstances. The Contractor has responsibility for administering and maintaining the qualified status of its segments of all pension and other benefit plans that it sponsors under this Contract for which DOE reimburses costs and for the plans themselves consistent with the plan documents and consistent with the requirements of the Employee Retirement Income Security Act (ERISA) and the Internal Revenue Code (IRC). The Contractor shall submit to the Contracting Officer annual actuarial evaluations for all applicable benefit plans as well as certify that the benefit plans are in full compliance with IRC and ERISA requirements. Such certification shall demonstrate that the benefit plans are qualified under the IRC. This evaluation shall include but not be limited to written reports relating to how the benefit plans pass IRC discrimination, participation and coverage testing requirements. Each detailed annual written actuarial evaluation shall identify any conditions that may adversely affect the qualification status of the plans in the foreseeable future, including but not limited to discrimination, participation and coverage testing requirements for the contractor and any of its subcontractors that are participating employers in the plans.

(a) Meeting Testing Requirements. The Contractor shall closely monitor each of its individual subcontractor employer segments participating in the ETTP MEPP. With the approval of the Contracting Officer, the Contractor shall establish threshold factors that – based upon the experience of the ETTP MEPP regarding the testing requirements – indicate when the Contractor and/or its individual subcontractor employer segments may not meet testing requirements in the foreseeable future. Every twelve months the Contractor shall identify any employer plan segments for the Contractor and its individual subcontractor employee segments that may not meet testing requirements for the current plan year and the following plan year.

(b) Failure to Meet Testing Requirements. In the case of employer segments for which the approved threshold factors described in Paragraph(a) above and other factors as approved or requested by the Contracting Officer indicate that the employer segments may not meet testing requirements, the Contractor, in conjunction with the lead sponsor, shall provide the Contracting Officer with a corrective action plan for addressing the potential or actual failure to meet

testing requirements and quarterly updates on the segment's status for testing purposes. After the corrective action plan has been submitted and approved by the Contracting Officer, the Contractor shall provide quarterly updates on the segment's status for testing purposes.

(2) Any defined benefit (DB) pension plan sponsored by the Contractor shall be maintained consistent with the requirements of the IRC and ERISA in order for the costs to be allowable.

(3) DOE approval is required prior to implementing any change to a pension plan for which costs are being reimbursed under this Contract. Changes to any pension plan shall be in accordance with and pursuant to the terms and conditions of this Contract.

(4) Audits. Each contractor pension plan for which DOE reimburses costs shall be subjected to a limited-scope audit annually that satisfies the requirements of ERISA section 103, except that every third year the contractor must conduct a full-scope audit satisfying ERISA section 103. Alternatively, the Contractor may conduct a full-scope audit satisfying ERISA section 103 annually. In all cases, the Contractor must submit the audit results to the Contracting Officer. In years in which a limited scope audit is conducted, the contractor must provide the Contracting Officer with a copy of the qualified trustee or custodian's certification regarding the investment information that provides the basis for the plan sponsor to satisfy reporting requirements under ERISA section 104.

(5) For existing Commingled Plans, the Contractor (i) shall maintain and provide annual Separate Accounting of DOE liabilities and assets as for a Separate Plan and (ii) shall be liable for any shortfall in the plan assets caused by funding or events unrelated to DOE contracts.

(6) Benefit Management Plans. Each contractor sponsoring a pension and/or postretirement benefit plan for which DOE reimburses costs will participate in the annual plan management process which includes written responses to a questionnaire regarding plan management, providing forecasted estimates of future reimbursements in connection with the plan and participating in a conference call to discuss the contractor submission.

A. A Pension Management Plan shall include the following:

(a) A Pension Management Plan (PMP) discussing the Contractor's plans for management and administration of pension plans for which DOE reimburses costs consistent with the terms of this contract. The PMP shall be updated and submitted to the Contracting Officer in draft annually no later than 45 days after the last day of the Plan year along with its draft actuarial valuation.

(b) Within thirty (30) days after the date of the submission, appropriate Contractor representatives shall meet with the Contracting Officer to discuss the Contractor's proposed draft annual update of the PMP to specifically discuss any anticipated changes in the projected pension contributions from the prior year's contributions and any discrepancies between the actual contributions made for the most recent year preceding the meeting and the projected contributions for that year which the Contractor had submitted to the Contracting Officer the prior year. The annual revision of the PMP shall include:

(1) The Contractor's best projection of the contributions which it will be legally obligated to make to the pension plan(s), beginning with the required contributions for the coming fiscal year, based on the latest actuarial valuation, and continuing for the following four years. This estimate will be based upon compliance with all applicable legal requirements relating to the determination of contributions and upon the assumptions set out in the plan document(s).

(2) If the actuarial valuation submitted pursuant to the annual PMP update indicates that the sponsor of the pension plan must impose pension plan benefit restrictions, the Contractor shall provide the following information:
   (i) The type of benefit restriction that will take place,
   (ii) The number of Contractor employees that potentially could be impacted and the nature of the restriction (e.g., financial impact) by imposition of the required benefit restriction, and
   (iii) The amount of money that would need to be contributed to the pension plan to avoid legally required benefit restrictions.

(3) A detailed discussion of how the Contractor intends to manage the pension plan(s) for which DOE reimburses costs to maximize the contribution predictability (i.e., forecasting accuracy) and contain current and future costs, to include rationale for selection of all plan assumptions that determine the required contributions and which impact the level and predictability of required contributions. The Contractor is required to annually establish a long term (e.g., five year) plan that outlines the projected retirement plan costs, and any planned action steps to be taken to better manage predictability. The Contractor must also share the following information with the Department during the meeting:
   (i) Strategy for achieving and maintaining fully-funded status of the plan(s).
   (ii) Investment policy statement for the plan, with any recent updates.
   (iii) Results of recent asset liability studies (required to be performed every 3 years or after a significant event) including rationale for maintaining current asset allocation strategy.

(iv) Comparison of budget projections submitted to the Department to actual contributions.
(v) Any recent reports, findings, or recommendations provided by plan's investment consultant.
(vi) Actuarial experience studies to set the plan's actuarial assumptions (required to be performed every 3-5 years).

(4) An assessment to evaluate the effectiveness of the Contractor's pension plan(s) investment management/results. The assessment shall include at a minimum: a review and analysis of pension plan investment objectives; the strategies employed to achieve those objectives; the methods used to monitor execution of those strategies and the achievement of the investment objectives; and a comparative analysis of the objectives and performance of other comparable pension plans. The Contractor shall also identify its plans, if any, for revising any aspect of its pension plan management based on the results of the review.

B. The PRB Management Plan for the PRB Plan(s) in which the Contractor participates and for which the Department reimburses costs under this Contract shall include:

(a) The Contractor's best projection of the benefit payments from the PRB Plans, a summary of the key actuarial assumptions used in developing the estimates, and a detailed description of the plans included in the projections.
(b) The impact that any recent plan amendments have had on the expected benefit payments.
(c) Any possible future amendments to the PRB Plan(s) which the Contractor wishes to make.
(d) An outline of opportunities that are being used or considered related to strategy, design, and cost containment.

(E) Reimbursement of the Contractor Costs for Benefit Plans. The following will be subject to be reimbursed separately on a cost reimbursement basis and are not part of the fixed price. All other costs should be part of the fixed price and will not be reimbursed separately on a cost reimbursement basis.

(1) Employer contributions to the ETTP MEPP. The Contractor as a sponsor of the ETTP MEPP will be reimbursed for pension contributions in the amounts necessary to ensure that the plan is funded to meet the annual minimum requirement under ERISA, as amended by the Pension Protection Act (PPA) of 2006. This includes the contributions of any subcontractor that is a participating employer/sponsor in the ETTP MEPP. However, reimbursement for pension contributions above the annual minimum contribution required under ERISA, as amended by the PPA, will require prior approval of the Contracting Officer and

will be considered on a case by case basis. Reimbursement amounts will take into consideration all pre-funding balances and funding standard carryover balances.

(2) The costs of the employee's participation in the ETTP MEWA (or pay-as-you-go costs of benefits under substantially equivalent PRB plans) for Grandfathered Employees.

(3) The costs of the Contractor's severance benefits for those SST Incumbent Employees that were hired and that met the eligibility requirements of the ETTP Severance Plan and to the extent the Contractor's severance benefits are substantially equivalent to the ETTP Severance Plan in which SST participated.

(F) Reporting Requirements for Designated Contracts. The following reports shall be submitted to DOE as soon as possible after the last day of the plan year by the Contractor responsible for each designated pension plan (plans for which costs were reimbursed) funded by DOE but no later than the dates specified below:

(1) Actuarial Valuation Reports. The annual actuarial valuation report for each DOE-reimbursed pension plan and when a pension plan is commingled, the Contractor shall submit separate reports for DOE's portion and the plan total by the due date for filling IRS Form 5500.

(2) Forms 5500. Copies of IRS Forms 5500 with Schedules for each DOE-funded pension plan, no later than that submitted to the IRS.

(3) Forms 5300. Copies of all forms in the 5300 series submitted to the IRS that document the establishment, amendment, termination, spin-off, or merger of a plan submitted to the IRS.

(G) Changes to Pension Plans

At least sixty (60) days prior to the adoption of any changes to a pension plan for which DOE reimburses costs, the Contractor shall submit the information required below, as applicable, to the Contracting Officer for approval or disapproval and a determination as to whether the costs are deemed allowable pursuant to FAR 31.205-6, as supplemented by DEAR 970.3102-05-6.

(1) For proposed changes to pension plans and pension plan funding, the Contractor shall provide the following to the Contracting Officer:

(a) a copy of the current plan document (as conformed to show all prior plan amendments), with the proposed new amendment indicated in redline/strikeout;

(b) an analysis of the impact of any proposed changes on actuarial accrued liabilities and costs;

(c) except in circumstances where the Contracting Officer indicates that it is unnecessary, a legal explanation of the proposed changes from the counsel used by the plan for purposes of compliance with all legal requirements applicable to private sector defined benefit pension plans;

(d) the Summary Plan Description; and

(e) any such additional information as requested by the Contracting Officer.

(2) The Contractor shall submit new benefit plans and changes to plan design or funding methodology with justification to the Contracting Officer for approval. The justification must:
(a) demonstrate the effect of the plan changes on the contract net benefit value or per capita benefit costs;
(b) provide the dollar estimate of savings or costs; and
(c) provide the basis of determining the estimated savings or cost.

(H) Withdrawal from the ETTP MEPP. The Contractor shall not withdraw from the ETTP MEPP or the ETTP MEWA without the prior, written approval of the Contracting Officer. If the Contractor withdraws without the consent of the Contracting Officer, all costs (including withdrawal liability under ERISA) associated with such withdrawal may be determined to be unallowable and the Government retains the right to assert a claim against the Contractor for any costs of the Department associated with such withdrawal.

(I) Changes to the ETTP MEPP. In addition to any other provisions of this Contract, any changes or amendments to the ETTP MEPP must be approved in writing in advance by the Contracting Officer and shall be in accordance with applicable law, including compliance with any applicable collective bargaining agreement(s).

(J) Change in Name. The name(s) of the ETTP MEPP, the ETTP MEWA, and other benefit plans may change as a result of the change in lead sponsorship of these plans. Any references to the ETTP MEPP, the ETTP MEWA, and other benefit plans contained in this Contract apply to these plans as renamed.

(K) Terminating Plans for which DOE Reimburses Costs

(1) The Contractor shall not terminate any pension plan (Commingled or site specific) without requesting Departmental approval at least 60 days prior to the scheduled date of plan termination.
(2) To the extent possible, the Contractor shall satisfy plan liabilities to plan participants by the purchase of annuities through competitive bidding on the open annuity market or lump sum payouts. The Contractor shall apply the assumptions and procedures of the Pension Benefit Guaranty Corporation.
(3) Funds to be paid or transferred to any party as a result of settlements relating to pension plan termination or reassignment shall accrue interest from the effective date of termination or reassignment until the date of payment or transfer.
(4) If ERISA or IRC rules prevent a full transfer of excess DOE reimbursed assets from the terminated plan, the Contractor shall pay any deficiency directly to DOE according to a schedule of payments to be negotiated by the parties.
(5) On or before the same day as the Contractor notifies the IRS of the spinoff or plan termination, all plan assets assigned to a spun-off or terminating plan shall be

placed in a low-risk liability matching portfolio until the successor trustee, or an insurance company, is able to assume stewardship of those assets

(6) DOE liability to a Commingled pension plan shall not exceed that portion which corresponds to DOE contract service. The DOE shall have no other liability to the plan, to the plan sponsor, or to the plan participants.

(7) After all liabilities of the plan are satisfied, the Contractor shall return to DOE an amount equaling the asset reversion from the plan termination and any earnings which accrue on that amount because of a delay in the payment to DOE. Such amount and such earnings shall be subject to DOE audit. To affect the purposes of this paragraph, DOE and the Contractor may stipulate to a schedule of payments.

(L) Terminating Operations

When operations at a designated DOE facility are terminated and no further work is to occur under the prime contract, the following apply:

(1) No further benefits for service shall accrue.

(2) The Contractor shall provide a determination statement in its settlement proposal, defining and identifying all liabilities and assets attributable to the DOE contract.

(3) The Contractor shall base its pension liabilities attributable to DOE contract work on the market value of annuities or lump sum payments or dispose of such liabilities through a competitive purchase of annuities or lump sum payouts.

(4) Assets shall be determined using the "accrual-basis market value" on the date of termination of operations.

(5) DOE and the Contractor(s) shall establish an effective date for spinoff or plan termination. On the same day as the contractor notifies the IRS of the spinoff or plan termination, all plan assets assigned to a spun-off or terminating plan shall be placed in a low-risk liability matching portfolio until the successor trustee, or an insurance company, is able to assume stewardship of those assets.

(M) Special Programs

The Contractor must advise the Contracting Officer and receive prior approval for each early-out program, window benefit, disability program, plan-loan feature, employee contribution refund, asset reversion, or incidental benefit.

H.7 WORKFORCE TRANSITION AND BENEFITS TRANSITION: PLANS AND TIMEFRAMES

(A) Workforce Transition Planning. Notwithstanding timeframes identified elsewhere in the Contract, the Contractor shall perform the following activities in the specified timeframes:

(1) Within ten days after Notice to Proceed, the Contractor shall:

(a) Submit to the Contracting Officer a description of any and all workforce transition agreements that it intends to enter into with USEC and SST to ensure compliance with Clause H.5 during the first 60 days after Notice to Proceed and during the remaining period of performance under the Contract;
(b) Establish and submit to the Contracting Officer a draft written communication plan that details the communication that the Contractor and its subcontractors will engage in with USEC and SST and their employees or former employees, regarding implementation of the requirements set forth in Clause H.5; and
(c) Obtain information from USEC and SST, identifying the employees who have initially been identified as being at risk of being involuntarily separated. Provide and define a process as part of transition agreements required in paragraph (1)(a) above for obtaining updated and continuous information through the Transition Period regarding the identification of employees by USEC and SST that have been identified as being at risk of being involuntarily separated.

(2) Within 15 days after Notice to Proceed, the Contractor shall:
(a) Submit to the Contracting Officer copies of the draft Workforce Transition Plan for the Contractor and its first and second tier subcontractors, describing the processes and procedures regarding how the Contractor will implement and ensure compliance with the hiring preferences set forth in Clause H.5 during the Contract Transition Period and the remaining period of performance under the Contract.
(b) Establish a final written communication plan with USEC and SST employees regarding the implementation of the hiring preferences in Clause H.5 and provide a copy to the Contracting Officer. The communication plan shall also include a communication process among the Contractor, incumbent contractor, DOE, site tenants, and incumbent union(s) representatives.

(3) Within 30 days after Notice to Proceed, the Contractor shall provide to the Contracting Officer copies of the final Workforce Transition Plan and draft workforce transition agreements it proposes to enter into with USEC and SST consistent with the requirements of Clause H.5 above.

(4) Within 45 days after Notice to Proceed, the Contractor shall provide to the Contracting Officer:
(a) copies of the final workforce transition agreements with USEC and SST consistent with the requirements of Clause H.5 above;
(b) a written description of the process that it will utilize in obtaining information after the Transition Period and throughout the period of performance from USEC and SST regarding their respective employees that have been identified by their employer as being at risk of being involuntarily separated in order for the Contractor to ensure compliance with Clause H.5; and
(c) copies of all and any written agreements in which it has entered with USEC and SST for transitioning their respective employees pursuant to Clause H.5.

(5) The Contractor shall submit reports to the Contracting Officer regarding the Contractor's and its subcontractors' implementation of the hiring preferences required by Clause H.5, in accordance with the timeframes set forth below. These reports shall include at a minimum the following information: employee hire dates or anticipated hire dates, employee salary levels, and the names of the former employers of the employees hired by the Contractor and/or hired by the Contractor's first and second tier subcontractors.
   (a) During the 60 day Contract Transition Period such reports shall be provided to the Contracting Officer on a weekly basis; or
   (b) More frequently if requested by the Contracting Officer.

(6) The Contractor shall implement the transition activities contained in the approved transition plan and such other transition activities as may be authorized or directed by DOE through the Contracting Officer.

(B) Benefits Transition Planning. The Contractor shall submit a written draft Benefits Transition Plan for the approval of the Contracting Officer, as set forth herein.

(1) The Benefit Transition Plan will include:

   (a) A detailed description of the Contractor's plans and procedures showing how the Contractor will comply with Clause H.6, and this Paragraph (B).
   (b) A detailed description of the Contractor's policies regarding pensions and other benefits for which the Department reimburses costs under this Contract, and how these policies will support at reasonable cost the effective recruitment and retention of a highly skilled, motivated, and experienced workforce.
   (c) A written description of how the existing pension and other benefit plans provided to employees pursuant to Clause H.6, will be amended or restated on or before the last day of the 60 day Transition Period. If an asset transfer(s) and/or the creation of a new benefit plan(s) are necessary in order for the Contractor to adhere to the benefits sponsorship requirements set forth in this Contract, the Contractor shall provide a description of the necessary transactions, including but not limited to how the Contractor proposes to comply with the Contract and applicable law governing such transactions.

(2) The Contractor shall perform the following activities involving benefit transition within the timeframes specified below.

   (a) Within ten days after Notice to Proceed, the Contractor shall:
      (1) Provide the Contracting Officer with a list of Contractor personnel who will be responsible for transitioning of the existing pension plan and other existing benefit plans and/or development of new benefit plans, including specifically the personnel responsible for ensuring that the Contractor

becomes a participating employer of the ETTP MEPP, and/or ETTP MEWA or comparable PRB plans, and contact information for the above personnel; and

(2) Request USEC, UCOR and SST to provide information and documents necessary for the Contractor to adhere to the requirements set forth in this Contract pertaining to sponsorship of the MEPP and other existing benefits plans or establishment of any new benefits plans, including but not limited to the transition of the existing pension and other benefit plans or establishment of any new benefits plans on or before the end of the 60-day Transition Period.

(b) Within 15 days after Notice to Proceed, the Contractor shall provide to the Contracting Officer:

(1) The draft Benefits Transition Plan; and

(2) A list of the information and documents that the Contractor has requested from USEC, UCOR and SST pertaining to the transition of the MEPP, and other existing benefit plans. The Contractor shall notify the Contracting Officer on a timely basis of any issues or problems that it encounters in obtaining information or documents requested from USEC, UCOR and SST. Regardless of such notification, the Contractor remains responsible under this Contract for ensuring compliance with the terms of this Contract, including the timeframes set forth in this clause and the requirements in Clause H.6.

(c) Within 20 days of Notice to Proceed, the Contractor shall:

(1) Submit a detailed description of its plans and processes, including timeframes and specific projected dates for accomplishment of each activity necessary to ensure compliance with the requirements set forth in Clause H.6 including requirements pertaining to the transition of employee benefit plans; and

(2) Meet via televideo, teleconference, and/or in person with relevant personnel who administer the benefit plans for UCOR, USEC and SST, if and when necessary. The meeting shall include the Contractor's benefit plan administrators and personnel, head of human resources, ERISA counsel, actuaries, and any and all other personnel deemed necessary by the Contractor. During such meeting, the Contractor shall discuss all matters necessary to ensure the Contractor adheres to its sponsorship obligations under Clause H.6, including execution of transition agreements with USEC, UCOR and SST, and other applicable entities. The minutes of the meeting as well as a written description of any substantive issues identified at the meeting shall be submitted to the Contracting Officer within two days after the meeting.

(d) Within 30 days after Notice to Proceed, the Contractor shall:

(1) Provide a final written Benefits Transition Plan to the Contracting Officer

(2) Provide to the Contracting Officer draft or proposed final versions of the following documents as set forth below –

(i) drafts of all amendments to or restatements of the pension and other benefit plans presently sponsored by UCOR as to which the Contractor will become a participating employer, including but not limited to amendments effectuating the change in sponsorship/participating employer in the MEPP. If applicable, the Contractor shall also submit all draft restated benefit plans and draft Summary Plan Descriptions (SPDs) for pension and other benefit plans sponsored by UCOR. Any and all such amendments shall comply with applicable law governing such transactions and changes in sponsorship of the plans.

(ii) drafts of any new benefit plan(s) as well as draft SPDs that the Contractor proposes to sponsor.

(iii)drafts of the transition agreements which the Contractor will enter into with UCOR and SST, to ensure the Contractor's compliance with the pay and benefits requirements set forth in Clause H.6.

(e) No later than 45 days after Notice to Proceed and prior to the adoption or execution of those documents, the Contractor shall submit to the Contracting Officer for approval the proposed final versions of the documents provided in draft to the Contracting Officer within 30 days after Notice to Proceed and described in Paragraphs (d) above.

(f) Within 60 days after Notice to Proceed, the Contractor shall complete any transitions into the ETTP MEPP, the ETTP MEWA, or comparable PRB plans and other existing pension(s) plans and other existing benefit plans, as well as establishment of any new plans.

(g) The Contractor shall respond to any comments provided by the Contracting Officer under any of the above paragraphs within two days of receipt of the comments.

(h) After the Transition Period and throughout the remaining period of performance of the Contract, the Contractor shall provide the following information promptly to the Contracting Officer upon the request of the Contracting Officer:

(1) Documents relating to benefit plans offered to Contractor Employees, including but not limited to SPDs, all Plan documents, applicable amendments, employee handbooks that summarize benefits provided to employees and other documents that describe benefits provided to employees of the Contractor who perform work on this Contract, and

(2) Any and all other documents pertaining to implementation of and compliance with implementation of the compensation and benefit programs identified in Clause H.6.

(3) Additionally, the contractor shall provide timely data responses to Departmental annual and ad hoc pension and PRB data requests. Such data responses shall be provided within the timeframe established by the contracting officer for each response and if no timeframe is specified, the contractor shall provide the data response within one calendar day.

H.8 POST CONTRACT RESPONSIBILITIES FOR PENSION AND OTHER BENEFIT PLANS FOR WHICH DOE REIMBURSES COSTS

(A) If this Contract expires and/or terminates and DOE has awarded a contract under which a new contractor becomes a sponsor and assumes responsibility for management and administration of the pension or other benefit plans covering active or retired employees with respect to service at the Paducah Gaseous Diffusion Site (collectively, the "Plans") for which DOE reimburses costs, the Contractor shall cooperate and transfer to the new contractor its responsibility for sponsorship, management and administration of the plans consistent with direction from the Contracting Officer. If a Commingled plan is involved, the contractor shall:

(1) Spinoff the DOE portion of any Commingled Plan used to cover employees working at the DOE facility into a separate plan. The new plan will normally provide benefits similar to those provided by the commingled plan and shall carry with it the DOE assets on an accrual basis market value, including DOE assets that have accrued in excess of DOE liabilities.

(2) Bargain in good faith with DOE or the successor contractor to determine the assumptions and methods for establishing the liabilities involved in a spinoff. DOE and the contractor(s) shall establish an effective date of spinoff. On or before the same day as the contractor notifies the IRS of the spinoff or plan termination, all plan assets assigned to a spun-off or terminating plan shall be placed in a low-risk liability matching portfolio until the successor trustee, or an insurance company, is able to assume stewardship of those assets.

(B) If this Contract expires or terminates and DOE has not awarded a contract to a new contractor under which the new contractor becomes a sponsor and assumes responsibility for management and administration of the Plans, or if the Contracting Officer determines that the scope of work under the Contract has been completed (any one such event may be deemed by the Contracting Officer to be "Contract Completion" for purposes of this clause), whichever is earlier, and notwithstanding any other obligations and requirements concerning expiration or termination under any other clause of this Contract, the following actions shall occur regarding the Contractor's obligations regarding the plans for which DOE reimburses costs, at the time of Contract Completion:

(1) Subject to subparagraph (2) below, and notwithstanding any legal obligations independent of the Contract the Contractor may have regarding responsibilities

for sponsorship, management, and administration of the Plans, the Contractor shall remain the sponsor of the plans for which DOE reimburses costs, in accordance with applicable legal requirements.

(2) The parties shall exercise their best efforts to reach agreement on the Contractor's Responsibilities for sponsorship, management and administration of the plans for which DOE reimburses costs, prior to or at the time of Contract Completion. However, if the parties have not reached agreement on the Contractor's responsibilities for sponsorship, management and administration of the Plans prior to or at the time of Contract Completion, unless and until such agreement is reached, the Contractor shall comply with written direction from the Contracting Officer regarding the Contractor's responsibilities for continued provision of pension and welfare benefits under the plans for which DOE reimburses costs,, including but not limited to continued sponsorship of the Plans, in accordance with applicable legal requirements. To the extent that the Contractor incurs costs in implementing direction from the Contracting Officer, the Contractor's costs will be reimbursed pursuant to applicable Contract provisions.

(C) In the event a transfer of assets in the ETTP MEPP is determined to be necessary, the Contractor shall cooperate fully in the transfer of any assets in a manner consistent with any fiduciary duty, applicable law and subject to the approval and direction of the Contracting Officer.

H.9 LABOR RELATIONS

(A) The Contractor shall respect the right of employees to organize and to form, join, or assist labor organizations, to bargain collectively through their chosen labor representatives, to engage in other concerted activities for the purpose of collective bargaining or other mutual aid or protection, and to refrain from any or all of these activities. Consistent with applicable labor laws and regulations, the Contractor shall recognize and bargain with labor organizations representing its employees if it will legally succeed to a predecessor's bargaining obligations. Specifically, consistent with applicable labor laws and regulations for that work that is being performed by members of United Steel, Paper, and Forestry, Rubber, Manufacturing, Energy, Allied Industrial and Service Workers Union (USW) on the effective date of this Contract, the Contractor agrees to initially consult with USW regarding the initial terms and conditions of employment and to recognize USW as the collective bargaining representative for employees performing work that has historically and traditionally been performed by USW members and is covered in the scope of this contract, and to bargain in good faith to a collective bargaining agreement that gives due consideration to applicable terms and conditions of the existing SST collective bargaining agreement(s) for work at the Paducah Gaseous Diffusion Plant Site. See also FAR Subpart 22.5.

(B) The Contractor shall meet with the Contracting Officer or designee(s) for the purpose of reviewing the Contractor's bargaining objectives for cost reimbursement purposes in the areas of pension, PRB and severance payments prior to negotiations of any collective bargaining agreement or revision thereto and shall consult with and obtain the approval of the Contracting Officer regarding appropriate economic bargaining parameters in the above listed areas prior to the Contractor entering into the collective bargaining process. During the collective bargaining process, the Contractor shall notify the Contracting Officer before submitting or agreeing to any collective bargaining proposal which can be calculated to affect allowable costs under this Contract.

(C) The Contractor will seek to maintain harmonious bargaining relationships that reflect a judicious expenditure of public funds, equitable resolution of disputes and effective and efficient bargaining relationships consistent with the requirements of FAR, Subpart 22.1 and DEAR, Subpart 970.2201 and all applicable Federal and State Labor Relations laws.

(D) The Contractor will notify the Contracting Officer or designee in a timely fashion of all labor relations issues and matters of local interest including organizing initiatives, unfair labor practice, work stoppages, picketing, labor arbitrations, and settlement agreements and will furnish such additional information as may be required from time to time by the Contracting Officer.

(E) Provide the Contracting Officer with a "Report of Settlement" after ratification of a collective bargaining agreement by accessing the Labor Relations Module in iBenefits, or its successor system, during the next open quarter. Data will include information only for negotiated pension, PRB, and severance costs.

H.10 WORKFORCE RESTRUCTURING

Notwithstanding any other provision in this Contract, when the Contractor determines that a reduction of force is necessary, the Contractor shall notify the Contracting Officer in writing. The Contractor shall provide information as directed by the Contracting Officer related to workforce restructuring activities and to enable compliance with Section 3161 of the National Defense Authorization Act for Fiscal Year 1993 and any other DOE guidance pertaining to workforce restructuring, as may be amended from time to time. The Contractor shall supply workforce restructuring related information and reports as needed by DOE. The Contractor shall extend displaced employee hiring preference in accordance with the Section I Clause entitled, DEAR 952.226-74, Displaced Employee Hiring Preference and Clause H.5, Hiring Preferences.

H.11 DOE-H-1011 DEPARTMENT OF LABOR WAGE DETERMINATIONS

In the performance of this Contract the Contractor shall comply with the requirements of the U.S. Department of Labor Wage Determination(s) located in Section J and FAR

52.222-42 Statement of Equivalent Rates for Federal Hires, when applicable.

H.12 TASK ORDERING PROCEDURE

(a) Only the Contracting Officer may issue task orders to the Contractor, providing specific authorization or direction to perform work within the scope of the contract and as specified in the schedule. The Contractor may incur costs in performance of task orders and task order modifications issued in accordance with this clause. The Contracting Officer may issue firm-fixed-price and/or cost reimbursement task orders. This clause is applicable to the IDIQ Contract Line Item Numbers (CLINs) only.

(b) For work to be ordered that is priced as a Section J, Attachment J-10 Exhibit Line Item Number (ELIN) under the IDIQ CLINs, a proposal from the Contractor may not be necessary. The ELIN fixed unit rates/prices are applicable to the pricing of firm-fixed-price task orders. A Task Order may be issued by the Contracting Officer based on the ELIN fixed unit rates. If a Task Order is issued based on the ELIN fixed unit rates, Sections (c) and (d) of this clause may not apply.

(c) For work not priced under a Section J, Attachment J-10, ELIN, the Contracting Officer shall provide the Contractor with a Request for Task Proposal (RTP). The RTP will include the following data elements:
  (1) A functional description of the work or performance work statement identifying the objectives or results desired from the contemplated task order.
  (2) A formal request for the Contractor to provide a technical proposal, period of performance, appropriate cost and price information, and any other information required to determine the reasonableness of the Contractor's proposal.
  (3) Performance standards to be used as criteria for determining whether the work requirements have been met.

(d) Within 10 business days after receipt of the RTP from the Contracting Officer, the Contractor shall submit a task order proposal in accordance with the RTP and FAR Part 15. Estimating guides, such as Engineered Performance Standards (EPS) or industry standards published by R. S. Means Company, may be used by the Contractor as a basis to propose the labor categories, estimated number of labor hours required, or the material requirements and prices to the extent practicable for work to be self-performed by the Contractor. Estimating guides do not cover every task that may need to be accomplished. For these tasks, work content comparison (comparing a task that is not specifically defined in Means to a very similar task that is defined in Means) may be performed by the Contractor prior to a determination that Means does not apply to a job.

(e) After review and any necessary discussions, the Contracting Officer may issue a task order to the Contractor containing, at a minimum, the following:

(1) Date of the order.
(2) Contract number, order number, and ELIN (if appropriate).
(3) Functional description of the work identifying the objectives or results desired from the task order, including special instructions or other information necessary for performance of the task.
(4) Performance standards, and where appropriate, quality assurance standards.
(5) Maximum dollar amount authorized. This includes allocation of award fee among award fee periods, if applicable.
(6) Any other resources (travel, materials, equipment, facilities, etc.) authorized, if a cost reimbursement task order.
(7) Delivery/performance schedule, including start and end dates.
(8) Accounting and appropriation data.

(f) The Contractor shall provide acknowledgment of receipt to the Contracting Officer within five calendar days after receipt of the task order.

(g) If time constraints do not permit issuance of a fully defined task order in accordance with the procedures described in paragraphs (a) through (d), a task order which includes a ceiling price may be issued. This may be applicable in the case of urgent or emergency work, for example.

(h) The Contracting Officer may modify tasks in the same manner in which they were issued.

(i) In the event of a conflict between the requirements of the task order and the Contractor's approved task order proposal, the task order shall prevail.

H.13 DOE-H-1021 CONSERVATION OF UTILITIES

The Contractor shall instruct Contractor employees in utilities conservation practices. The Contractor shall operate under conditions that preclude the waste of utilities.

The Contractor shall use lights only in areas where and at the time when work is actually being performed except in those areas where lighting is essential for purpose of safety and security.

H.14 DOE-H-1022 PROTECTION OF TRAFFIC

(a) Traffic Interference

The Contractor shall conduct his operations so as to interfere as little as possible with the use of existing roads at or near locations where the work is being performed. When it is necessary to excavate a trench across an existing road, store materials thereon, or perform other work which would obstruct traffic, notification of the start of such work or storage of materials, and details of the proposed methods of

providing the required facilities for safe and continuous use of roads shall be submitted to the Contracting Officer for approval at least 48 hours in advance thereof; and the Contractor shall, at his own expense, make such approved temporary provisions as are required to maintain at least one lane of traffic by bridging the excavation, providing ramps over surface obstructions, or providing a suitable temporary by-pass around the construction.

(b) Barricades, By-Passes, and Warning Signs

The Contractor will be required as a part of this Contract to provide and erect, before construction begins, and maintain during the progress of construction, substantial barricades bridging over trenches, ramps, sidewalks, guard rails, and warning signs; furnish, place, and maintain adequate lights and warning signals; and provide flagmen and watchmen. Additional safeguards shall be provided as directed by the Contracting Officer where and as may be necessary to further protect pedestrian and vehicular traffic. All such barricades and/or temporary bridging or other temporary construction shall be removed by the Contractor upon completion of the work necessitating the erection thereof.

H.15 DOE-H-1023 PRESERVATION OF ANTIQUITIES, WILDLIFE AND LAND AREAS

(a) Federal Law provides for the protection of antiquities located on land owned or controlled by the Government. Antiquities include Indian graves or campsites, relics and artifacts. The Contractor shall control the movements of its personnel and its subcontractor's personnel at the job site to ensure that any existing antiquities discovered thereon will not be disturbed or destroyed by such personnel. It shall be the duty of the Contractor to report to the Contracting Officer the existence of any antiquities so discovered.

(b) The Contractor shall also preserve all vegetation (including wetlands) except where such vegetation must be removed for survey or construction purposes. Any removal of vegetation shall be in accordance with the terms of applicable habitat mitigation plans and permits. Furthermore, all wildlife must be protected consistent with programs approved by the Contacting Officer.

(c) Except as required by or specifically provided for in other provisions of this Contract, the Contractor shall not perform any excavations, earth borrow, preparation of borrow areas, or otherwise disturb the surface soils within the job site without the prior approval of DOE or its designee.

H.16 DOE-H-1024 ALTERNATIVE DISPUTE RESOLUTION

(a) The DOE and the Contractor both recognize that methods for fair and efficient resolution of significant disputes are essential to the successful and timely

achievement of critical milestones and completion of all Contract requirements. Accordingly, the parties agree that in the event of a dispute to jointly select a 'standing neutral.' The standing neutral will be available to help resolve disputes as they arise. Such standing neutral can be an individual, a board comprised of three independent experts, or a company with specific expertise in the Contract area. If a standing neutral cannot be agreed upon, the DOE Office of Dispute Resolution will make a selection. Specific joint ADR processes shall be developed.

(b) The parties agree the following provision may be invoked for significant disputes upon mutual agreement of the DOE and the Contractor:

(1) DOE and the Contractor shall use their best efforts to informally resolve any dispute, claim, question, or disagreement by consulting and negotiating with each other in good faith, recognizing their mutual interests, and attempting to reach a just and equitable solution satisfactory to both parties. If any agreement cannot be reached through informal negotiations within 30 days after the start of negotiations, then such disagreement shall be referred to the standing neutral, pursuant to the jointly-developed ADR procedures.

(2) The standing neutral will not render a decision, but will assist the parties in reaching a mutually satisfactory agreement. In the event the parties are unable after 30 days to reach such an agreement, either party may request, and the standing neutral will render, a non-binding advisory opinion. Such opinion shall not be admissible in evidence in any subsequent proceedings.

(c) If one party to this Contract requests the use of the process set forth in Paragraphs b(1) and b(2) of this clause and the other party disagrees, the party disagreeing must express its position in writing to the other party. On any such occasion, if the party requesting the above process wishes to file a claim they may proceed in accordance with Section I, FAR 52.233-1 Disputes or FAR 52.233-1 Disputes Alternate I.

H.17 DOE-H-1025 CONTRACTOR INTERFACE WITH OTHER CONTRACTORS AND/OR GOVERNMENT EMPLOYEES

The Government may award contracts for on-site work or services to additional contractors. The Contractor shall cooperate fully with all other on site DOE Contractors, and with Government employees, and carefully fit its own work to such other work as may be directed by the Contracting Officer or a duly authorized representative. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other Contractor or by a Government employee.

H.18 DOE-H-1032 RELEASE OF INFORMATION

The DOE policy and procedure on news releases requires that all Contractor press releases be reviewed and approved by DOE prior to issuance. Therefore, the Contractor

shall, at least ten (10) days prior to the planned issue date, submit a draft copy to the Contracting Officer of any planned press releases related to work performed under this Contract. The Contracting Officer will then obtain necessary reviews and clearances and provide the Contractor with the results of such reviews prior to the planned issue date.

H.19 DOE-H-1033 PERMITS AND LICENSES

Within sixty (60) days of the Notice to Proceed (NTP), the Contractor shall submit to the DOE Contracting Officer's Representative a list of Environment, Safety and Health approvals that, in the Contractor's opinion, shall be required to complete the work under this award. This list shall include the topic of the approval being sought, the approving authority, and the expected submit/approval schedule. The Contracting Officer's Representative shall be notified as specific items are added or removed from the list and processed through their approval cycles.

The Contractor agrees to include this clause in their first-tier subcontracts and agrees to enforce the terms of this clause.

H.20 DOE-H-1040 LOBBYING RESTRICTION (ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2014)

The Contractor agrees that none of the funds obligated on this award shall be expended, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before Congress, other than to communicate to members of Congress as described in 18 U.S.C. § 1913. This restriction is in addition to those prescribed elsewhere in statue and regulations.

H.21 DOE-H-1046 SUSTAINABLE ACQUISITION UNDER JANITORIAL SERVICES CONTRACTS (MAY 2011)

Pursuant to Executive Orders 13423, Strengthening Federal Environmental, Energy and Transportation Management, and 13514, Federal Leadership in Environmental, Energy, and Economic Performance, the Department of Energy is committed to managing its facilities in a manner that will promote the natural environment and protect the health and well-being of its Federal employees and Contractor service providers. It is anticipated that the Contractor will use Affirmative Procurement Program materials for this service Contract. This will include paper products containing recovered material as designated by the Environmental Protection Agency. Additional information on this program may be found at http://www.usda.gov/biopreferred. This also includes use of biobased cleaning supplies designated by the United States Department of Agriculture (USDA) under the BioPreferred Products Program. Additional information about this program may be found at http://www.biopreferred.gov/. While no formal reporting is required by the Contractor, the Department is required to provide an annual report on such matters and may request information regarding estimates of the quantities of such materials used under the Contract.

H.22 DOE-H-1048 SUSTAINABLE ACQUISITION UNDER DOE SERVICE CONTRACTS (MAY 2011)

Pursuant to Executive Orders 13423, Strengthening Federal Environmental, Energy and Transportation Management, and 13514, Federal Leadership in Environmental, Energy, and Economic Performance, the Department of Energy is committed to managing its facilities in a manner that will promote the natural environment and protect the health and well-being of its Federal employees and Contractor service providers. As a service provider at a DOE facility you are urged to assist us in our efforts. Sustainable acquisition or environmentally preferable contracting has several interacting initiatives. Among the initiatives are the following:

Alternative Fueled Vehicles and Alternative Fuels
Biobased Content Products (USDA Designated Products)
Energy Efficient Products
Non-Ozone Depleting Alternative Products
Recycled Content Products (EPA Designated Products)
Water Efficient Products (EPA WaterSense Labeled Products)

You should familiarize yourself with these information resources:
Recycled Products are described at http://epa.gov/cpg
Biobased Products are described at http://www.biopreferred.gov/
Energy efficient products are at http://energystar.gov/
FEMP designated products are at http://www.eere.energy.gov/femp/procurement
Environmentally Preferable Computers are at http://www.epeat.net
Non-Ozone Depleting Alternative Products at http://www.epa.gov/ozone/strathome.html
Water efficient plumbing fixtures at http://epa.gov/watersense

In the course of providing services at the DOE site, if your services necessitate the acquisition of any of these types of products, it is expected that you will acquire the sustainable, environmentally preferable models unless the product is not available competitively within a reasonable time, at a reasonable price, is not life cycle cost efficient in the case of energy consuming products, or does not meet reasonable performance standards. While there is no formal reporting, DOE prepares a sustainable acquisition annual report and you may be asked to share information for our report.

H.23 DOE-H-1055 COMPLIANCE WITH INTERNET PROTOCOL VERSION 6 (Ipv6) IN ACQUIRING INFORMATION TECHNOLOGY (JULY 2011)

This Contract involves the acquisition of Information Technology (IT) that uses Internet Protocol (IP) technology. The Contractor agrees that (1) all deliverables that involve IT that uses IP (products, services, software, etc.) comply with IPv6 standards and interoperate with both IPv6 and IPv4 systems and products; and (2) it has IPv6 technical support for fielded product management, development and implementation available. If

the Contractor plans to offer a deliverable that involves IT that is not initially compliant, the Contractor shall (1) obtain the Contracting Officer's approval before starting work on the deliverable; and (2) have IPv6 technical support for fielded product management, development and implementation available.

Should the Contractor find that the Performance Work Statement of this Contract does not conform to IPv6 standards, it must notify the Contracting Officer of such nonconformance and act in accordance with the instructions of the Contracting Officer.

H.24 DOE-H-1056 CONTRACTOR ACCEPTANCE OF NOTICES OF VIOLATION OR ALLEGED VIOLATIONS, FINES, AND PENALTIES (JULY 2011)

(a) The Contractor shall accept, in its own name, notices of violation(s) or alleged violations (NOVs/NOAVs) issued by federal or state regulators to the Contractor resulting from the Contractor's performance of work under this Contract, without regard to liability. The allowability of the costs associated with fines and penalties shall be subject to other provisions of this Contract.

(b) After providing DOE advance written notice, the Contractor shall conduct negotiations with regulators regarding NOVs/NOAVs and fine and penalties. However, the Contractor shall not make any commitments or offers to regulators that would bind the Government, including monetary obligations, without first obtaining written approval from the Contracting Officer. Failure to obtain advance written approval may result in otherwise allowable costs being declared unallowable and/or the Contractor being liable for any excess costs to the Government associated with or resulting from such offers/commitments.

(c) The Contractor shall notify DOE promptly when it receives service from the regulators of NOVs/NOAVs and fines and penalties.

H.25 DOE-H-1057 ASSIGNMENT AND ADMINISTRATION OF CONTRACTS AND SUBCONTRACTS (JULY 2011)

(a) Assignment of DOE Prime Contracts. During the period of performance of this Contract, it may become necessary for the U.S. Department of Energy (DOE) to transfer and assign existing or future DOE prime contracts supporting site work to this Contract. The Contractor shall accept the transfers and assignments of contracts. Any recommendations and/or suggestions regarding individual transfers directed by DOE shall be submitted in writing to the Contracting Officer prior to the transfer or assignment.

(b) Administration of Subcontracts. The administration of all subcontracts entered into and/or managed by the Contractor, including responsibility for payment hereunder, shall remain with the Contractor. The Government reserves the right at any time to require that the Contractor submit any or all other contractual arrangements, including

but not limited to purchase orders or classes of purchase orders, for approval, and provide information concerning methods, practices, and procedures used or proposed to be used in subcontracting and purchasing. Subcontracts and purchase orders shall be made in the name of the Contractor, shall not bind nor purport to bind the Government, shall not relieve the Contractor of any obligation under this Contract (including, among other things, the obligation to properly supervise and coordinate the work of subcontractors), and shall be in such form and contain such provisions as are required by this Contract or as the Contracting Officer may prescribe. Any consent by the Contracting Officer to the placement of subcontracts shall not be construed to create subcontractor privity of contract with the Government.

(c) Transfer of Subcontracts. As the successor Contractor, the Contractor agrees to accept the transfer of existing subcontracts as determined necessary by DOE for continuity of operations. The Contractor shall attempt to negotiate changes to the assigned subcontracts incorporating mandatory flow-down provisions at no cost. If the subcontractor refuses to accept the changes or requests price adjustments, the Contractor will notify the Contracting Officer in writing. DOE reserves the right to direct the Contractor to transfer to DOE or another Contractor any subcontract awarded under this Contract.

H.26 DOE-H-1061 KEY PERSONNEL

(a) Introduction

Key Personnel are considered essential to the success of all work being performed under this Contract. This Clause provides specific requirements, in addition to the requirements of the clause in Section I entitled, "DEAR 952.215-70 Key Personnel," for the Key Personnel Team, requirements for changes to Key Personnel, reductions in Contract price for changes to Key Personnel, and identification of all Key Personnel for this Contract.

(b) Key Personnel Team Requirements

The Contracting Officer and designated Contracting Officer's Representative(s) shall have direct access to the Key Personnel. All Key Personnel shall be permanently assigned to the position. In addition to the definition contained in the Section I Clause entitled, "DEAR 952.215-70, Key Personnel," Key Person(s) are considered managerial personnel.

(c) Definitions

For the purposes of this Clause, Changes to Key Personnel is defined as: (i) any change to the position assignment of a current Key Person under the Contract, except for a person who acts for short periods of time, in the place of a Key Person during his or her absence the total time of which shall not exceed 30 working days during

any given year; (ii) utilizing the services of a new substitute Key Person for assignment to the Contract; or (iii) assigning a current Key Person for work outside the Contract.

(d) Contract Price Reductions for Changes to Key Personnel.

(1) Notwithstanding approval by the Contracting Officer, any time the Project Manager (the initial Project Manager or any substitution approved by the Contracting Officer) is changed for any reason within two (2) years of being placed in the position, DOE may modify the Contract by reducing the contract price by $50,000 for each and every occurrence of a change.

(2) Notwithstanding approval by the Contracting Officer, any time a Key Person other than the Project Manager (any initial Key Person or any substitution approved by the Contracting Officer) is changed for any reason within two (2) years of being placed in the position, DOE may modify the contract by reducing the Contract price by $25,000 for each and every occurrence of a change.

(3) The Contractor may request in writing that the Contracting Officer consider waiving all or part of a reduction in price. Such written request shall include the factual basis for the request. The Contracting Officer shall have the unilateral discretion to make the determination to waive all or part of the reduction in price.

(e) Requirements for Changes to Key Personnel

(1) The Contractor shall notify the Contracting Officer and request approval in writing at least 60 days in advance of any changes to Key Personnel.

(2) Key Personnel substitutions shall have substantially equivalent abilities, experience, and qualifications as the Key Person being replaced.

(3) The Contractor shall not make a change in Key Personnel without prior written approval of the Contracting Officer.

(4) No Key Person position shall remain vacant for a period more than 30 days following Contracting Officer approval of a change in Key Personnel.

(5) Approval of changes to Key Personnel is at the unilateral discretion of the Contracting Officer.

(f) The Key Personnel for this Contract are identified below. The list of personnel may, with the consent of the contracting parties, be amended from time to time during the course of the Contract to add or delete personnel.

Position	Name
Project Manager	Diane Snow

Security Manager	David May
Integrated Services Director	Tammy Courtney
CTCS Director	Greg Englert

H.27 DOE-H-1063 PERFORMANCE GUARANTEE AGREEMENT (JULY 2011)

The Contractor's parent organization(s) or all member organizations if the Contractor is a joint venture, limited liability company, or other similar entity, shall guarantee performance of the Contract as evidenced by the Performance Guarantee Agreement incorporated in the Contract in Section J, Attachment J-14.

If the Contractor is a joint venture, limited liability company, or other similar entity where more than one organization is involved, the parent(s) or all member organizations shall assume joint and severable liability for the performance of the Contract. In the event any of the signatories to the Performance Guarantee Agreement enters into proceedings related to bankruptcy, whether voluntary or involuntary, the Contractor agrees to furnish written notification of the bankruptcy to the Contracting Officer.

H.28 DOE-H-1064 RESPONSIBLE CORPORATE OFFICIAL AND CORPORATE BOARD OF DIRECTORS

The Contractor has provided a guarantee of performance from its parent company(s) in the form set forth in Section J, Attachment J-14 entitled, "Executed Performance Guarantee Agreement." The individual signing the "Performance Guarantee Agreement" for the parent company(s) should be the Responsible Corporate Official.

The Responsible Corporate Official is the person who has sole corporate (parent company(s)) authority and accountability for Contractor performance. DOE may contact, as necessary, the single Responsible Corporate Official identified below regarding Contract performance issues.

Responsible Corporate Official:

Name: Patricia A. Holsapple
Position: Chief Executive Officer
Company/Organization: Swift & Staley, Inc.
Address: 101 Liberty Drive, Suite 7, Kevil, KY 42053
Phone: 270-462-8821
Facsimile: 270-462-8822
Email: patricia.holsapple@swiftstaleyinc.com

Should the Responsible Corporate Official or their contact information change during the period of the Contract, the Contractor shall promptly notify the Contracting Officer in writing of the change.

Identified below is each member of the Corporate Board of Directors that will have corporate oversight.

DOE may contact, as necessary, any member of the Corporate Board of Directors, who is accountable for corporate oversight of the Contractor organization and key personnel.

Corporate Board of Directors:

Name: Patricia A. Holsapple
Position: Chief Executive Officer
Company/Organization: Swift & Staley, Inc.
Address: 101 Liberty Drive, Suite 7, Kevil, KY 42053
Phone: 270-462-8821
Facsimile: 270-462-8822
Email: patricia.holsapple@swiftstaleyinc.com

Name: W. G. Holsapple Jr.
Position: Chief Operating Officer
Company/Organization: Swift & Staley, Inc.
Address: 101 Liberty Drive, Suite 7, Kevil, KY 42053
Phone: 270-462-8821
Facsimile: 270-462-8822
Email: bill.holsapple@swiftstaleyinc.com

Should any change occur to the Corporate Board of Directors or their contact information during the period of the Contract, the Contractor shall promptly notify the Contracting Officer in writing of the change.

H.29 PRIVACY ACT SYSTEMS OF RECORD

(a) The Contractor shall design, develop, or adopt the following systems of records on individuals to accomplish an agency function pursuant to the Section I Clause entitled, FAR 52.224-2, Privacy Act.

DOE Privacy Act System Number	DOE Privacy Act System Description
DOE-5	Personnel Records of Former Contractor Employees (includes all former workers)
DOE-10	Energy Employees Occupational Illness Compensation Program Act Files
DOE-13	Payroll and Leave Records
DOE-14	Report of Compensation
DOE-15	Intelligence-Related Access Authorization
DOE-28	General Training Records

DOE-31	Firearms Qualifications Records
DOE-33	Personnel Medical Records (present and former DOE employees and Contractor employees)
DOE-35	Personnel Radiation Exposure Records
DOE-38	Occupational and Industrial Accident Records
DOE-43	Personnel Security Clearance Files
DOE-45	Weapons Data Access Control System
DOE-48	Security Education and/or Infraction Reports
DOE-51	Employee and Visitor Access Control Records
DOE-52	Access Control Records of International Visits, Assignments, and Employment at DOE Facilities and Contractor Sites
DOE-77	Physical Fitness Test Records (for armed, uniformed guards)
DOE-81	Counterintelligence Administrative and Analytical Records and Reports
DOE-84	Counterintelligence Investigative Records
DOE-88	Epidemiologic and Other Health Studies, Surveys, and Surveillances

(b) If the above list does not address all of the systems of records that are generated based on Contract performance, then the Contractor shall notify the Contracting Officer prior to Contract award or as soon as the discrepancy is discovered. The Contractor shall monitor the identified systems and notify the Contracting Officer immediately if there is a change to an existing system or if a new system is needed. Lack of notification does not exempt the Contractor from complying with the Privacy Act. To ensure that systems are monitored consistently, the Contractor must review the list annually and notify the Contracting Officer, in writing, that the list is accurate and up to date.

(c) The above list shall be revised by mutual agreement between the Contractor and the Contracting Officer, in consultation with the local PAO and/or General Counsel, as necessary, to keep it current. A formal modification to the Contract is not required to incorporate these revisions; however, the revisions become effective upon mutual written agreement of the parties. The mutually agreed upon revisions shall have the same effect as if they were actually among the systems listed in the table above, for the purpose of satisfying the listing requirement contained in paragraph (a)(1) of the contract clause for FAR 52.224-2, Privacy Act. The revisions will be formally incorporated at the next convenient contract modification. Additional information on Privacy Act Systems of Records can be found on the DOE Privacy Office home page.

(d) The "Privacy Act Notification" (FAR 52.224-1) and "Privacy Act" (FAR 52.224-2) clauses are mandatory flow-down clauses that must be included in any subcontract requiring design, development, or operation of a Privacy Act system of record, including third-party medical services contracts. Such subcontracts also require flow down of clauses specifically identifying applicable Privacy Act systems of records

into the subcontracts. For example, medical services contracts must include the substance of this H clause identifying system of record DOE-33, "Personnel Medical Records," along with language on records turnover. Subcontracts must also contain scope requirements necessary to ensure DOE and Contractor compliance with applicable records management and Privacy Act requirements.

H.30 DOE-H-1066 DISPOSITION OF INTELLECTUAL PROPERTY – FAILURE TO COMPLETE CONTRACT (JULY 2011)

The following provisions shall apply in the event the Contractor does not complete Contract performance for any reason:

(a) The Government may take possession of and use all the technical data, including limited rights data, restricted computer software, and data and software obtained from subcontractors, licensors, and licensees, necessary to complete the work in conformance with this Contract, including the right to use the data in any Government solicitations for the completion of the work contemplated under this Contract. Technical data includes, but is not limited to, specifications, designs, drawings, operational manuals, flowcharts, software, databases and any other information necessary for the completion of the work under this Contract. The Contractor shall ensure that its subcontractors and licensors make similar rights available to the Government and its contractors.

(b) The Contractor agrees to and does hereby grant to the Government an irrevocable, non-exclusive, paid-up license in and to any inventions or discoveries regardless of when conceived or actually reduced to practice by the Contractor, and any other intellectual property, including technical data, which are owned or controlled by the Contractor, at any time through completion of this Contract and which are incorporated or embodied in the construction of the facilities or which are utilized in the operation or remediation of the facilities or which cover articles, materials or products manufactured at a facility: (1) to practice or to have practiced by or for the Government at the facility; and (2) to transfer such license with the transfer of that facility. The acceptance or exercise by the Government of the aforesaid rights and license shall not prevent the Government at any time from contesting the enforceability, validity or scope of, or title to, any rights or patents or other intellectual property herein licensed.

(c) In addition, the Contractor will take all necessary steps to assign permits, authorizations, leases, and licenses in any third party intellectual property to the Government, or such other third party as the Government may designate, that are necessary for the completion of the work contemplated under this Contract.

H.31 DOE-H-1067 PRICE ANDERSON AMENDMENTS ACT NONCOMPLIANCE (JULY 2011)

The Contractor shall establish an internal Price-Anderson Amendments Act (PAAA) noncompliance identification, tracking, and corrective action system and shall provide access to and fully support DOE reviews of the system. The Contractor shall also implement a Price- Anderson Amendments Act reporting process which meets applicable DOE standards. The Contractor shall be accountable for ensuring that subcontractors adhere to these requirements.

H.32 DOE H-1068 WORK STOPPAGE AND SHUTDOWN AUTHORIZATION (JULY 2011)

(a) Imminent Health and Safety Hazard is a given condition or situation which, if not immediately corrected, could result in a serious injury or death, including exposure to radiation and toxic/hazardous chemicals. Imminent Danger in relation to the facility safety envelope is a condition, situation, or proposed activity which, if not terminated, could cause, prevent mitigation of, or seriously increase the risk of (1) nuclear criticality, (2) radiation exposure, (3) fire/explosion, and/or (4) toxic hazardous chemical exposure.

(b) Work Stoppage. In the event of an Imminent Health and Safety Hazard, identified by facility line management or operators or facility health and safety personnel overseeing facility operations, or other individuals, the individual or group identifying the imminent hazard situation shall immediately take actions to eliminate or mitigate the hazard (i.e., by directing the operator/implementer of the activity or process causing the imminent hazard to stop work, or by initiating emergency response actions or other actions) to protect the health and safety of the workers and the public, and to protect U.S. Department of Energy (DOE) facilities and the environment. In the event an imminent health and safety hazard is identified, the individual or group identifying the hazard should coordinate with an appropriate Contractor official, who will direct the shutdown or other actions, as required. Such mitigating action should subsequently be coordinated with the DOE and Contractor management. The suspension or stop-work order should be promptly confirmed in writing by the Contracting Officer.

(c) Shutdown. In the event of an imminent danger in relation to the facility safety envelope or a non-Imminent Health and Safety Hazard identified by facility line managers, facility operators, health and safety personnel overseeing facility operations, or other individuals, the individual or group identifying the potential health and safety hazard may recommend facility shutdown in addition to any immediate actions needed to mitigate the situation. However, the recommendation must be coordinated with Contractor management, and the DOE Site Manager. Any written direction to suspend operations shall be issued by the Contracting Officer, pursuant to the Clause entitled, "FAR 52.242-15, Stop-Work Order."

(d) Facility Representatives. DOE personnel designated as Facility Representatives provide the technical/safety oversight of operations. The Facility Representative has

the authority to "stop work," which applies to the shutdown of an entire plant, activity, or job. This stop-work authority will be used for an operation of a facility which is performing work the Facility Representative believes:

(1) Poses an imminent danger to health and safety of workers or the public if allowed to continue;

(2) Could adversely affect the safe operation of, or could cause serious damage to the facility if allowed to continue; or

(3) Could result in the release of radiological or chemical hazards to the environment in excess of regulatory limits.

(e) This clause flows down to all subcontractors at all tiers. Therefore, the Contractor shall insert a clause, modified appropriately to substitute "Contractor Representatives" for "the Contracting Officer" in all subcontracts.

H.33 DOE-H-1069 TRANSITION TO FOLLOW-ON CONTRACT (JULY 2009)

The Contractor recognizes that the work and services covered by this Contract are vital to the DOE mission and must be maintained without interruption, both at the commencement and the expiration of this Contract. It is therefore understood and further agreed in recognition of the above:

(a) At the expiration of the Contract term or any earlier termination thereof, the Contractor shall cooperate with a successor contractor or the Government by allowing its employees to interview for possible employment. For those employees who accept employment with the successor contractor, such employees shall be released in coordinated manner with the successor contractor. The Contractor shall cooperate with the successor contractor and Government with regard to the termination or transfer arrangements for such employees to assure maximum protection of employee service credits and fringe benefits.

(b) Within fifteen (15) days after the Notice to Proceed, the Contractor and the outgoing contractor shall jointly prepare a mutual detailed plan for the phase-out and phase-in of operations. This plan shall specify a training and orientation program to cover each phase of the scope of work covered by the Contract. A proposed date by which the Contractor will assume responsibility from the outgoing contractor for such work shall be established. The outgoing contractor will maintain full responsibility for such work until assumption thereof by the Contractor. Execution of the proposed plan or any part thereof shall be accomplished in accordance with the Contracting Officer's direction and approval.

(c) This clause shall apply to subcontracts as approved by the Contracting Officer.

H.34 DOE-H-1079 MANDATORY CHANGE ORDER ACCOUNTING

(a) In accordance with FAR 52.243-6, the Contractor must establish change order accounting for each change or series of related changes whose estimated cost exceeds $100,000.

(b) The Government has no obligation under this clause or any other term or condition of this Contract to remind the Contractor of its obligations under this clause. The Government may or may not, for example, refer to this clause when issuing change orders.

(c) If the Contractor separately identifies costs in its invoices that pertain to the changed work, the Contractor may invoice costs for both changed work and other work in the same invoice.

(d) If the Contractor fails to provide an adequate, auditable definitization proposal within 120 days of the Contracting Officer's request for such proposal, the Government may consider some or all of the associated proposal costs to be unallowable.

(e) If the Contractor fails to comply fully with the requirements of this clause, the Government may reflect the Contractor's failure in its—

(1) Determination of otherwise earned fee under the Contract; and/or

(2) Past performance evaluation of the Contractor's performance.

H.35 INFORMATION

(a) Management of Information Resources. The Contractor shall design and implement Information Resources Management (IRM) capabilities as required to execute this Contract in accordance with the Office of Management and Budget (OMB) Circular A-130, Management of Federal Information Resources.

(b) Release of Information. The Contractor shall provide timely, accurate, and complete responses to information requested by DOE to comply with Freedom of Information Act and Privacy Act requirements.

(c) Unclassified Controlled Nuclear Information (UCNI). Documents originated by the Contractor or furnished by the Government to the Contractor, in connection with this Contract, may contain Unclassified Controlled Nuclear Information as determined pursuant to Section 148 of the Atomic Energy Act of 1954, as amended. The Contractor shall be responsible for protecting such information from unauthorized dissemination in accordance with DOE regulations and directives and Section I Clauses entitled, DEAR 952.204-2, Security Requirements and DEAR 952.204-70, Classification/Declassification.

H.36 ALLOCATION OF RESPONSIBILITY AND LIABILITY FOR CONTRACTOR AND U.S. DEPARTMENT OF ENERGY (DOE) ENVIRONMENTAL COMPLIANCE ACTIVITIES

(a) In this Clause:

(1) "Environmental " requirements means requirements imposed by applicable Federal, state, and local environmental laws and regulations, including, without limitation, statutes, ordinances, regulations, court orders, consent decrees, administrative orders, or compliance agreements, consent orders, permits, and licenses; and

(2) "Party" means either the Contractor or DOE.

(b) Responsibility and liability for fines or penalties arising from or related to violations of environmental requirements shall be borne by the party causing the violation regardless of which party:

(1) The cognizant regulatory authority fines or penalizes;

(2) Signs permit applications (including situations where DOE signs defective or non-conforming permit applications or other environmental submittals prepared by or under the direction of the Contractor), manifests, reports, or other required documents;

(3) Is a permittee; or

(4) Is the named subject of an enforcement action or assessment of a fine or penalty.

(c) Consequently, if the Contractor causes a violation:

(1) All fines and penalties arising from or related to violations of environmental requirements are unallowable costs. If DOE pays a fine or penalty for a violation that the Contractor caused, the amount of the fine or penalty shall be due from the Contractor, and DOE may immediately offset that amount against payments to which the Contractor is otherwise entitled for allowable costs and fee, or any other funds otherwise owed by the Government to the Contractor; and

(2) Costs of challenging or defending actions brought against the Contractor for violations of environmental requirements are to be borne by the Contractor.

H.37 PERMITS, APPLICATIONS, LICENSES, AND OTHER REGULATORY DOCUMENTS

(a) Consistent with the FAR clause 52.236-7 "Permits and Responsibilities," in Section I, the Contractor must obtain any licenses, permits, other approvals or authorizations for conducting all activities under the Contract. The Contractor shall be responsible for becoming a party to all regulatory compliance agreements/orders associated with scope under this Contract including those previously executed. The Contractor is responsible for complying with all permits, licenses, certifications, authorizations and approvals from federal, state, and local regulatory agencies that are necessary for all activities under this Contract (hereinafter referred to collectively as "permits"). Except as specifically provided in this section and to the extent not prohibited by law or cognizant regulatory authority, the Contractor (or, if applicable, its subcontractors) will be the sole applicant for any such permits required for its activities. The Contractor must take all appropriate actions to obtain transfer of existing permits, and DOE will use all reasonable means to facilitate transfer of existing permits. If DOE determines it is appropriate or if DOE is required by cognizant regulatory authority to sign permit applications, DOE may elect to sign as owner or similar designation, but the Contractor (or, if applicable, its subcontractors) must also sign as operator or similar designation reflecting its responsibility under the permit unless DOE waives this requirement in writing.

(b) Unless otherwise authorized by the Contracting Officer, the Contractor must submit to DOE for DOE's review and comment all permit applications, reports or other documents required to be submitted to regulatory authorities. Such draft documents must be provided to DOE within a time frame, identified by DOE, sufficient to allow DOE substantive review and comment; and DOE will use its best efforts to perform such substantive review and comment within such time frame. When providing DOE with documents that are to be signed or co-signed by DOE, the Contractor will accompany such document with a certification statement, signed by the appropriate Contractor corporate officer, attesting to DOE that the document has been prepared in accordance with all applicable requirements and the information is, to the best of its knowledge and belief, true, accurate, and complete.

(c) Except as specifically provided in this clause and to the extent not prohibited by law or cognizant regulatory authority, the Contractor (or, if applicable, its subcontractors) will be the signatory for reports, hazardous waste manifests, and other similar documents required under environmental permits or applicable environmental laws and regulations.

(d) In the event of termination or expiration of this Contract, DOE will require the new Contractor to accept transfer of all environmental permits executed by the Contractor, or DOE will accept responsibility for such permits and the Contractor shall be relieved of all future liability and responsibility resulting from the acts or omissions of the successor Contractor or DOE.

H.38 EMERGENCY CLAUSE

(a) The U.S. Department of Energy (DOE) Portsmouth/Paducah Project Office (PPPO) Manager or designee shall have sole discretion to determine when an emergency situation exists at the site. In the event that either the DOE-PPPO Manager or designee determines such an emergency exists, the applicable DOE Manager or designee will have the authority to direct any and all activities of the Contractor and subcontractors necessary to resolve the emergency situation. The applicable DOE Manager or designee may direct the activities of the Contractor and subcontractors throughout the duration of the emergency.

(b) The Contractor shall include this Clause in all subcontracts at any tier for work performed at the site.

H.39 GOVERNMENT-FURNISHED SERVICES AND ITEMS (GFSI)

(a) DOE will provide Government-Furnished Property (GFP) and Government-Furnished Services and Items (GFSI) listed in Section J, Attachment J-3 and J-5 (Sections 2, 3, 4, and 5, as marked), respectively. If DOE cannot provide the GFP and/or GFSI as identified in Section J, Attachments J-3 and J-5 (Sections 2, 3, 4, and 5, as marked), the Contractor may be entitled to pursue remedies in the manner and subject to the limitations set out in subparagraphs (d) and (i) of Section I, FAR 52.245-1, Government Property, Alternate I.

(b) The GFP is identified in Section J, Attachment J-3. The Contractor shall evaluate the adequacy of GFP and GFSI and notify DOE when GFP and GFSI equipment or services do not meet Contract or DOE Order requirements.

(c) The Contractor shall provide the Contracting Officer a projection of when GFSI, identified in Section J, Attachment J-5 (Sections 2, 3, 4, and 5, as marked), are needed within thirty (30) calendar days after the NTP and quarterly thereafter. Amendments to the projection, if any, shall be provided to the Contracting Officer 45 calendar days in advance of the GFSI need date. The DOE will review each Contractor submittal of GFSI needs and, within fifteen (15) calendar days, shall notify the Contractor whether it will provide the requested GFSI.

H.40 GREEN PURCHASING UNDER DOE SERVICE CONTRACTS

Pursuant to Executive Order 13423, Strengthening Federal Environmental, Energy and Transportation Management, the Department of Energy is committed to managing its facilities in a manner that will promote the natural environment and protect the health and well-being of its Federal employees and Contractor service providers. In the performance of work under this Contract, the Contractor shall exert its best efforts to provide its services in a manner that will promote the natural environment and protect the health and well-being of Federal employees, contract service providers and visitors using the facility. Green purchasing or environmentally preferable contracting includes the initiatives described below:

- Alternative Fuels and Vehicles are described at http://afdc.energy.gov/afdc/
- Biobased Products are described at http://www.biopreferred.gov/
- Energy efficient products are described at http://;energystar.gov/products for Energy Star products and at http://www.eere.energy.gov/femp/procurement for FEMP designated products
- Environmentally Preferable Computers are described at http://www.epeat.net
- Non-Ozone Depleting Products are described at http://www.epa.gov/Ozone/snap.index.html
- Recycled Products are described at http://epa.gov/cpg
- Water efficient products are described at http://epa.gov/watersense/

To the extent that the services provided by the Contractor require the provision of any of the above types of products, the environmentally preferable type of product is to be furnished unless that type of product is not available competitively within a reasonable time, at a reasonable price, is not life cycle cost efficient in the case of energy consuming products, or does not meet reasonable performance standards. The clauses at FAR 52.223-2, Affirmative Procurement of Biobased Products under Service and Construction Contracts, 52.223-15, Energy Efficiency in Energy Consuming Products, and 52.223-17, Affirmative Procurement of EPA-Designated Items in Service and Construction Contracts, in Section I require the use of products that have biobased content, are energy efficient, or have recycled content.

H.41 DOE CONTRACT ADMINISTRATION AND OVERSIGHT

This Contract presents significant work scope, and makes it imperative that DOE has a focused approach for providing oversight of Contractor work. DOE oversight activities will focus primarily on ensuring safe completion of infrastructure requirements. The DOE oversight will be conducted in a tailored and proactive manner with minimal interference with Contract performance. The Contractor shall respond to DOE oversight and to concerns, findings, and observations as identified by the Contracting Officer or Contracting Officer's Representative during the conduct of these oversight activities.

The Contractor shall expect routine surveillance and observation of work performed to the task requirements by DOE personnel and shall correct violations of laws, regulations, permits, Worker Safety & Health Program, upon discovery, within one working day. The Contractor shall correct all other deficiencies within five working days.

Suggestions for the improvement of contractually mandated work shall be enacted upon mutual agreement between the Contractor and the Contracting Officer or Contracting Officer's Representative. The Contractor shall provide logistical support to facilitate conducting oversight activities on an as-needed basis, at the discretion of the Contracting Officer's Representative.

The Contractor shall respond to DOE oversight and to concerns, findings and observations as identified by the Contracting Officer or Contracting Officer's Representative during the conduct of these oversight activities. The five fundamental areas of oversight that may be conducted during the course of the execution of this Contract are as follows:

(a) Project Management Oversight: This includes daily field inspections and the weekly and monthly assessment of project status, which will be used to determine and validate project performance and invoices submitted by the Contractor.

(b) Contract Management Oversight: Administration and monitoring of the prime Contract will be performed by the Contracting Officer's Representative or their designee. All information and documentation relinquished by the Contractor will be retained by the Contracting Officer's Representative for the Contract file. Administration and monitoring of the prime Contract will be in accordance with the Contract terms and conditions which include, but are not limited to, the oversight required under FAR Subchapter G – Contract Management (FAR Parts 42-51) and its supplements, as applicable.

(c) Integrated Safety Management/Operations Oversight: The Contractor shall provide documentation and participate in meetings to allow DOE to monitor the Contractor's compliance with DOE P 450.4A, "Integrated Safety Management Policy."

(d) Daily Oversight: DOE may utilize Facility Representatives, Project Managers, and Subject Matter Experts in addition to the Contracting Officer's Representative, to conduct daily oversight for the duration of this Contract. The purpose of this oversight will be to assess compliance with the terms and conditions of the Contract. In addition to this oversight, the Contractor shall support:

(1) Senior Management Walkthroughs, conducted in areas or locations where work is ongoing;
(2) Periodic Walkthroughs by regulators, DOE-HQ personnel, and/or other stakeholders
(3) Employee concerns elevated to DOE for evaluation; and
(4) Unannounced inspections and visits by regulatory personnel

(e) Assessments and Reviews: DOE or other regulatory agencies may conduct assessments of the Contractor's performance. DOE may also conduct in-depth programmatic reviews of Contractor activities. The subject areas of such reviews may include, but are not limited to safety and health, quality assurance, project management, financial systems, and environmental compliance. Advance notice of these performance assessments and reviews will be given to the Contractor fourteen (14) calendar days in advance of the assessment or review when possible.

H.42 MODIFICATION AUTHORITY

Notwithstanding any of the other clauses of this Contract, the Contracting Officer shall be the only individual authorized to:

(a) Accept nonconforming work,
(b) Waive any requirement of this Contract, or
(c) Modify any term or condition of this Contract.

H.43 EMPLOYEE CONCERNS PROGRAM

The Contractor shall submit an implementation plan to the Contracting Officer for approval within 90 days of issuance of the Notice to Proceed that describes an Employee Concerns Program (ECP) that implements all programmatic requirements in DOE Order 442.1A Department of Energy Employee Concerns Program, and all superseding versions.

H.44 INCORPORATION OF REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFEROR

The representations, certifications, and other statements of Offeror, completed by the Contractor, dated December 12, 2014, are hereby incorporated by reference and made a part of this Contract.

H.45 NOTICE REGARDING THE PURCHASE OF AMERICAN-MADE EQUIPMENT AND PRODUCTS -- SENSE OF CONGRESS

It is the Sense of the Congress that, to the greatest extent practicable, all equipment and material purchased with funds made available under this award should be American-made.

H.46 PAPERLESS DIRECTIVE PROCESSING SYSTEM

(a) The Contractor, in addition to complying with applicable laws, rules, and other regulations, shall comply with those DOE orders and other directives applicable to Contractors, with the applicable departmental policies, plans, programs, and management directives, and with all changes to assigned work as agreed to by the Contractor and the Contracting Officer or designee.

(b) DOE has developed a list of applicable DOE Directives, and is appended to the Contract as Section J, Attachment J-2. The Contractor shall comply with the directives identified in such list. The Contractor shall make no claim, including a claim for equitable adjustment under the Changes clauses of this Contract, for additional costs, fee or extension of time of performance relating to compliance with the directives in such list.

(c) The List of Applicable DOE Directives to the Contract will be revised and issued, by the DOE Contracting Officer, as a Contract modification, as necessary. The Contracting Officer may direct the Contractor to comply with additional DOE Directives and local directives and revisions thereto, as follows:

1) Pursuant to and in accordance with the Changes clause of the Contract with respect to changes in directives within the general scope of this Contract.

2) Pursuant to any Environment, Safety, and Health provisions of this Contract, and in accordance with the Changes clause of this Contract with respect to changes in directives involving safety, environment, health, and quality.

(d) At least once a month, the Contractor will extract directives from the DOE Paperless Directive System utilizing the Internet as notification of their availability by DOE electronic prompting. Copies of DOE directives may be obtained without charge from the Contracting Officer or by citing the number of this Contract in a written request sent to the following address:

U.S. DOE
Distribution Section
1000 Independence Ave S.W.
Washington, DC 20585
James V. Forrestal Building

(e) The Contracting Officer and his/her representative(s) expressly authorized in writing to do so are the only Government officials authorized to provide explanations as to the applicability of directives. The Contracting Officer is the only Government Official authorized to resolve possible conflicting requirements involving directives.

(f) Upon receipt of a new or revised directive, the Contractor shall review it for consistency with the other terms of this Contract and for impacts on funding, manpower and other provisions of the Contract. If the Contractor considers the directive to be consistent with the other terms of this Contract and it can be implemented within existing funds, manpower, and other provisions of the Contract and the implementation will not have a negative impact on the cost, schedule, or other obligations of the Contractor, the Contractor shall establish an implementation schedule, and so advise the Contracting Officer within 30 calendar days of receipt. In the event the Contractor considers the directive to be inconsistent with the other terms of this Contract or the requirements of the directive cannot be implemented within existing funding, manpower, and other provisions of the Contract, the Contractor shall so advise the Contracting Officer within 30 calendar days of receipt. Such notice shall include the basis for the claimed inconsistency and the projected cost of implementation in excess of current funding, manpower, and other provisions of the Contract. After evaluation of the Contractor's position, the Contracting Officer shall issue direction to the Contractor, pursuant to the applicable Changes clause in this

Contract, concerning appropriate implementation of the directive.

(g) The Contractor will, at least quarterly, notify DOE of those directives obtained from the DOE Paperless Directive System as described in (d) above. The Contractor cognizant personnel will review these directives and recommend for concurrence disposition of the directives to DOE-PPPO.

(h) Upon agreement between the Contractor and DOE, the directive will be implemented as outlined in a Contractor Management Summary or Implementation Plan, whichever is appropriate, and the directive added to Attachment J-2, Paducah List of Applicable DOE Directives (List B), of the Contract and issued by the Contracting Officer. The same process will be utilized for deletion of directives.

(i) The Contractor shall incorporate the substance of this clause with respect to applicable directives, excluding any reference to the Changes clause, in subcontracts for performance of work at the site and as directed by the Contracting Officer.

H.47 PERSONNEL SECURITY CLEARANCES

(a) The Contractor is required to conduct pre-employment investigative screening of prospective employees in order to ensure trustworthiness and reliability. The Contractor shall provide certification to the Contracting Officer that an investigative screening has been completed prior to employment. The certification shall include verification of identity, previous employment and education, and the results of credit and law enforcement checks.

(b) Personnel assigned by the Contractor to work at the DOE site will be required to obtain a security clearance. The levels of clearance are as follows:

Clearance level
Q – sensitive
Q – non-sensitive
L – confidential/secret

Under this Contract, only appropriate Contractor personnel are required to have an "L" clearance level. Key Personnel and certain other personnel are required to have a "Q" clearance level. The Contractor shall seek opportunities to reduce the levels of clearance required for personnel and ensure that any Contractor personnel that have a clearance have a legitimate, demonstrable need for access to the category and level of classified information or matter, or category of SNM, for the performance of their official duties.

(c) This requirement may be waived by the Contracting Officer for personnel not involved with classified information while clearances are being processed, or for personnel associated with the program for short periods of time, such as consultants.

(d) The Contractor shall retrieve and dispose of badges for employees: 1) who are no longer working on the Contract; 2) who no longer require access; 3) when their badge expires; or 4) when the Contract expires or is terminated.

H.48 ACCESS TO DOE-OWNED OR LEASED FACILITIES

(a) The performance of this Contract requires that employees of the Contractor have physical access to DOE-owned or leased facilities; however, this clause does not control requirements for an employee's obtaining a security clearance. The Contractor understands and agrees that DOE has a prescribed process with which the Contractor and its employees must comply in order to receive security badges that allow such physical access. The Contractor further understands that it must propose employees whose backgrounds offer the best prospect of obtaining approval for access, considering the following potentially disqualifying criteria, which are not all inclusive and may vary depending on access requirements:

(1) Is or is suspected of being, a terrorist;

(2) Is the subject of an outstanding warrant;

(3) Has deliberately omitted, concealed, or falsified relevant and material facts from any Questionnaire for National Security Positions (SF-86), Questionnaire for Non-Sensitive Positions (SF-85), or similar form;

(4) Has presented false or forged identity source documents;

(5) Has been barred from Federal employment;

(6) Is currently awaiting a hearing or trial or has been convicted of a crime punishable by imprisonment of six (6) months or longer; or

(7) Is awaiting or serving a form of pre-prosecution probation, suspended or deferred sentencing, probation or parole in conjunction with an arrest or criminal charges against the individual for a crime that is punishable by imprisonment of six (6) months or longer.

(b) The Contractor shall assure:

(1) In initiating the process for gaining physical access, (i) compliance with procedures established by DOE, including use of any forms directed by DOE; (ii)

that employees properly complete said forms; and (iii) that the employees submit the forms to the person designated by the Contracting Officer.

(2) In completing the process for gaining physical access, that its employees (i) cooperate with DOE officials responsible for granting access to DOE–owned or leased facilities; and (ii) provide any additional information as DOE may request.

(c) The Contractor understands and agrees that DOE may unilaterally deny a security badge to an employee and that the denial remains effective until such time as DOE determines that access may be granted. Upon notice from DOE that an employee's application for a security badge is or will be denied, the Contractor shall promptly identify a substitute employee and initiate the process for gaining access for the substitute. DOE's denial of a security badge to individual employees shall not be cause for extension of the period of performance of this Contract or any contractor claim against DOE.

(d) The Contractor shall return to the Contracting Officer or designee the badge(s) or other credential(s) provided by DOE pursuant to this clause, granting physical access to DOE-owned or leased facilities by the Contractor's employee(s), upon (1) the termination of this Contract; (2) the expiration of this Contract; (3) the termination of employment on this Contract by an individual employee; or (4) demand by DOE for return of the badge.

(e) The Contractor shall include this clause, including this paragraph (e), in any subcontract, awarded in the performance of this Contract, in which one or more subcontractor employees will require physical access to DOE–owned or leased facilities.

H.49 CONFIDENTIALITY OF INFORMATION

(a) To the extent that the work under this Contract requires that the Contractor be given access to confidential or proprietary business, technical, or financial information belonging to the Government or other companies, the Contractor shall, after receipt thereof, treat such information as confidential and agree not to appropriate such information to its own use or to disclose such information to third parties unless specifically authorized by the Contracting Officer in writing. The foregoing obligations, however, shall not apply to:

- Information which, at the time of receipt by the Contractor, is in the public domain;
- Information which is published after receipt thereof by the Contractor or otherwise becomes part of the public domain through no fault of the Contractor;
- Information which the Contractor can demonstrate was in his possession at the time of receipt thereof and was not acquired directly or indirectly from the Government or other companies; and

- Information which the Contractor can demonstrate was received by it from a third party that did not require the Contractor to hold it in confidence.

(b) The Contractor shall obtain the written agreement, in a form satisfactory to the Contracting Officer, of each employee permitted access, whereby the employee agrees that he will not discuss, divulge or disclose any such information or data to any person or entity except those persons within the Contractor's organization directly concerned with the performance of the Contract.

(c) The Contractor agrees, if requested by the Government, to sign an agreement identical, in all material respects, to the provisions of this clause, with each company supplying information to the Contractor under this Contract, and to supply a copy of such agreement to the Contracting Officer.

(d) The Contractor agrees that upon request by DOE it will execute a DOE-approved agreement with any party whose facilities or proprietary data it is given access to or is furnished, restricting use and disclosure of the data or the information obtained from the facilities. Upon request by DOE, such an agreement shall also be signed by Contractor personnel.

(e) This clause shall flow down to all subcontracts.

H.50 CONTRACT PARTICIPATION BY FOREIGN NATIONALS

(a) The Contractor shall notify the Contracting Officer, in writing, prior to the employment of or participation by any foreign national in the performance of work under the Contract.

(b) The Contractor shall notify the Contracting Officer, in writing, prior to any visit to sites covered by this Contract by any foreign national in connection with the work being performed under this Contract. This notification shall be made at least 75 days prior to the planned visit.

H.51 MAJOR SUBCONTRACTORS

The following subcontractor(s) have been determined to be major subcontractors for this Contract:

Subcontractor: Wastren Advantage Inc., 1571 Shyville Road, Piketon, OH 45661

Subcontractor: North Wind Solutions, LLC, 1425 Higham Street, Idaho Falls, ID 83402

H.52 PARTNERING

In order to most effectively accomplish this Contract, the Government proposes to form a cohesive partnership with the Contractor. It is a way of doing business based upon trust, dedication to common goals, and an understanding and respect of each other's expectations and values. The process creates a teambuilding environment which fosters better communication and problem solving, and a mutual trust between the participants. These key elements create a climate in which issues can be raised, openly discussed, and jointly settled, without getting into an adversarial relationship. In this way, partnering is a mindset, and a way of doing business. It is an attitude toward working as a team, and achieving successful project execution. This endeavor seeks an environment that nurtures team building cooperation, and trust between the Government and the Contractor. The partnership strives to draw on the strengths of each organization in an effort to achieve a quality project done right the first time, within budget, and on schedule.

Participation in the partnership will be totally voluntary by the parties. Any cost associated with effectuating this partnership will be agreed to by both parties during Contract performance. The U.S. Army Corps of Engineers has championed partnering and their guidelines will be utilized in organizing partnering meetings and establishing a partnering agreement.

H.53 QUALITY ASSURANCE SYSTEM

The Contractor shall establish and maintain an effective Quality Assurance Program (QAP) approved by DOE in compliance with 10 CFR 830 Subpart A and DOE Order 414.1D and in accordance with the EM Quality Assurance Program, EM-QA-001 Rev 1, prior to commencement of work affecting nuclear safety. The EM QAP provides the basis to achieve quality across the EM complex for all mission-related work while providing a consistent approach to Quality Assurance (QA).

EM has adopted the American Society of Mechanical Engineers (ASME) NQA-1, 2008, with addenda through 2009, Quality Assurance Requirements for Nuclear Facility Applications, as a consensus standard and requires the implementation of NQA-1 requirements into the Contractors Quality Implementation Plan (QIP) based on the activities being performed.

Development of a new QAP or modification of the existing version of a QAP from a prior contractor, does not alter a contractor’s legal obligation to comply with 10 CFR 830, other regulations affecting quality assurance (QA) and DOE Order 414.1D.

The Contractor’s QAP shall describe the overall implementation of the EM QA requirements and shall be applied to all work performed by the Contractor (e.g., research, design/engineering, construction, operation, budget, mission, safety, and health).

The Contractor shall, at a minimum, annually review and update as appropriate, their QAP. The review and any changes shall be submitted to DOE for approval. Changes

that reduce the level of commitments affecting nuclear safety shall be approved before implementation by the Contractor.

All software acquisition, development, operation and maintenance included in the IMS shall be compliant with requirements identified in EM-QA-001 Rev 1, Attachment G. Safety software shall be acquired, developed and implemented using ASME NQA-1-2008 with addenda through 2009, Part I and Subpart 2.7. Non-safety, quality-related software for nuclear facility or EM mission critical applications shall be managed and controlled in accordance with the requirements of DOE 0 414.1D, Attachment 2, Sections 2 & 3 as well as Attachment 4 for Nuclear Facilities.

The Contractor shall develop and implement a comprehensive Issues Management System for the identification, assignment of significance category, and processing of nuclear safety-related issues identified within the Contractor's organization. The significance assigned to the issues shall be the basis for all actions taken by the Contractor in correcting the issue from initial causal analysis, reviews for reporting to DOE, through completion of Effectiveness Reviews if required based on the seriousness of the issue.

H.54 DOE-H-1059 MATERIAL SAFETY DATA SHEET AVAILABILITY (JULY 2011)

In implementation of the clause in Section I entitled, "FAR 52.223-3 Hazardous Material Identification and Material Safety Data," the Contractor shall obtain, review and maintain a material safety data sheet (MSDS) in a readily accessible manner for each hazardous material (or mixture containing a hazardous material) ordered, delivered, stored or used; and maintain an accurate inventory and history of use of hazardous materials at each use and storage location. The MSDS shall conform to the requirements of 29 CFR 1910.1200(g).

PART II - CONTRACT CLAUSES

SECTION I – CONTRACT CLAUSES

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SECTION I

CONTRACT CLAUSES

I.1 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address: https://www.**acquisition**.gov/far/

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I.3 FAR 52.203-3 GRATUITIES (APR 1984)

I.4 FAR 52.203-5 COVENANT AGAINST CONTINGENT FEES (MAY 2014)

I.5 FAR 52.203-6 RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (SEPT 2006)

I.6 FAR 52.203-7 ANTI-KICKBACK PROCEDURES (MAY 2014)

I.7 FAR 52.203-8 CANCELLATION, RECISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (MAY 2014)

I.8 FAR 52.203-10 PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (MAY 2014)

I.9 FAR 52.203-12 LIMITATIONS ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (OCT 2010)

I.10 FAR 52.203-13 CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT (APR 2010)

I.11 FAR 52.203-14 DISPLAY OF HOTLINE POSTER(S) (DEC 2007)

(b)3) DOE IG Hotline Poster:
http://energy.gov/sites/prod/files/igprod/documents/Hotline_poster.pdf

I.12 FAR 52.203-17 CONTRACTOR EMPLOYEE WHISTLEBLOWER RIGHTS AND REQUIREMENT TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS (APR 2014)

I.13 FAR 52.204-4 PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER (MAY 2011)

I.14 FAR 52.204-9 PERSONAL IDENTIFY VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)

(a) The Contractor shall comply with agency personal identity verification procedures identified in the contract that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24 and Federal Information Processing Standards Publication (FIPS PUB) Number 201.

(b) The Contractor shall account for all forms of Government-provided identification issued to the Contractor employees in connection with performance under this contract. The Contractor shall return such identification to the issuing agency at the earliest of any of the following, unless otherwise determined by the Government:

(1) When no longer needed for contract performance.
(2) Upon completion of the Contractor employee's employment.
(3) Upon contract completion or termination.

(c) The Contracting Officer may delay final payment under a contract if the Contractor fails to comply with these requirements.

(d) The Contractor shall insert the substance of this clause, including this paragraph (d), in all subcontracts when the subcontractor's employees are required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system. It shall be the responsibility of the prime Contractor to return such identification to the issuing agency in accordance with the terms set forth in paragraph (b) of this section, unless otherwise approved in writing by the Contracting Officer.

I.15 FAR 52.204-10 REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (JUL 2013)

I.16 FAR 52.204-13 SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (JUL 2013)

I.17 FAR 52.204-14 SERVICE CONTRACT REPORTING REQUIREMENTS (JAN 2014)

I.18 FAR 52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED OR PROPOSED FOR DEBARMENT (AUG 2013)

I.19 FAR 52.209-9 UPDATES OF PUBLICLY AVAILABLE INFORMATION REGARDING RESPONSIBILITY MATTERS (JUL 2013)

I.20 FAR 52.209-10 PROHIBITION ON CONTRACTING WITH INVERTED DOMESTIC CORPORATIONS (MAY 2012)

I.21 FAR 52.210-1 MARKET RESEARCH (APR 2011)

I.22 FAR 52.215-2 AUDIT AND RECORDS – NEGOTIATION (OCT 2010)

I.23 FAR 52.215-8 ORDER OF PRECEDENCE – UNIFORM CONTRACT FORMAT (OCT 1997)

I.24 FAR 52.215-11 PRICE REDUCTION FOR DEFECTIVE CERTIFIED COST OR PRICING DATA – MODIFICATIONS (AUG 2011)

I.25 FAR 52.215-13 SUBCONTRACTOR CERTIFIED COST OR PRICING DATA – MODIFICATIONS (OCT 2010)

I.26 FAR 51.215-14 INTEGRITY OF UNIT PRICES (OCT 2010)

I.27 FAR 52.215-15 PENSION ADJUSTMENTS AND ASSET REVERSIONS (OCT 2010)

I.28 FAR 52.215-17 WAIVER OF FACILITIES CAPITAL COST OF MONEY (OCT 1997)

I.29 FAR 52.215-18 REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS (JUL 2005)

I.30 FAR 52.215-19 NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall—

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the contractor's ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each contractor ownership change.

(c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

I.31 FAR 52.215-21 REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA – MODIFICATIONS (OCT 2010) AND ALTERNATE III (OCT 1997)

I.32 FAR 52.215-23 LIMITATIONS ON PASS-THROUGH CHARGES (OCT 2009)

I.33 FAR 52.217-2 CANCELLATION UNDER MULTI-YEAR CONTRACTS (OCT 1997)

I.34 FAR 52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 60 days.

I.35 FAR 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 30 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 5 years.

I.36 FAR 52.219-6 NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE (NOV 2011)

I.37 FAR 52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (MAY 2014)

I.38 FAR 52.219-14 LIMITATIONS ON SUBCONTRACTING (NOV 2011)

I.39 FAR 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (JUL 2013)

I.40 FAR 52.222-1 NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)

I.41 FAR 52.222-3 CONVICT LABOR (JUN 2003)

I.42 FAR 52.222-4 CONTRACT WORK HOURS AND SAFETY STANDARDS ACT – OVERTIME COMPENSATION (MAY 2014)

I.43 FAR 52.222-6 CONSTRUCTION WAGE RATE REQUIREMENTS (MAY 2014)

I.44 FAR 52.222-7 WITHHOLDING OF FUNDS (MAY 2014)

I.45 FAR 52.222-8 PAYROLLS AND BASIC RECORDS (MAY 2014)

I.46 FAR 52.222-9 APPRENTICES AND TRAINEES (JUL 2005)

I.47 FAR 52.222-10 COMPLIANCE WITH COPELAND ACT REQUIREMENTS (FEB 1988)

I.48 FAR 52.222-11 SUBCONTRACTS (LABOR STANDARDS) (MAY 2014)

I.49 FAR 52.222-12 CONTRACT TERMINATION – DEBARMENT (MAY 2014)

I.50 FAR 52.222-13 COMPLIANCE WITH CONSTRUCTION WAGE RATE REQUIREMENTS AND RELATED REGULATIONS (MAY 2014)

I.51 FAR 52.222-14 DISPUTES CONCERNING LABOR STANDARDS (FEB 1988)

I.52 FAR 52.222-15 CERTIFICATION OF ELIGIBILITY (MAY 2014)

I.53 FAR 52.222-17 NONDISPLACEMENT OF QUALIFIED WORKERS (MAY 2014)

I.54 FAR 52.222-21 PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)

I.55 FAR 52.222-26 EQUAL OPPORTUNITY (MAR 2007)

I.56 FAR 52.222-33 NOTICE OF REQUIREMENT FOR PROJECT LABOR AGREEMENT (MAY 2010) – ALT II (MAY 2010)

I.57 FAR 52.222-34 PROJECT LABOR AGREEMENT (MAY 2010) – ALT I (MAY 2010)

I.58 FAR 52.222-35 EQUAL OPPORTUNITY FOR VETERANS (JUL 2014)

I.59 FAR 52.222-36 EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES (JUL 2014)

I.60 FAR 52.222-37 EMPLOYMENT REPORTS VETERANS (JUL 2014)

I.61 FAR 52.222-40 NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT (DEC 2010)

I.62 FAR 52.222-41 SERVICE CONTRACT LABOR STANDARDS (MAY 2014)

I.63 FAR 52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (MAY 2014)

In compliance with the Service Contract Labor Standards statute and the regulations of the Secretary of Labor (29 CFR part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only: It is not a Wage Determination

Employee	Class	Monetary Wage - Fringe Benefits
Accounting Clerk	GS-4	$ 18.49
Administrative Assistant	GS-7	25.61
Document Preparation Clerk	GS-3	16.47
General Clerk	GS-3	16.47
Scheduler, Maintenance	GS-4	18.49
Secretary	GS-6	23.05
Service Order Dispatcher	GS-4	18.49
Motor Vehicle Mechanic	WG-10	31.85
Janitor	WG-2	18.27
Laborer, Grounds Maintenance	WG-3	20.17
Computer Operator	GS-6	23.05
Computer Programmer	GS-9	31.33
Computer Systems Analyst	GS-11	37.91
Computer Based Training Specialist/Instructor	GS-9	31.33
Technical Instructor	GS-9	31.33
Technical Instructor/Course Developer	GS-9	31.33
Forklift Operator	WG-5	23.85
Shipping/Receiving Clerk	WG-4	22.09
Stock Clerk	WG-4	22.09
Warehouse Specialist	WG-5	23.85
Carpenter, Maintenance	WG-9	30.24
Electrician, Maintenance	WG-10	31.85
General Maintenance Worker	WG-8	28.75
HVAC Mechanic	WG-10	31.85
Heavy Equipment Mechanic	WG-10	31.85

Heavy Equipment Operator	WG-10	31.85
Laborer	WG-2	18.27
Machinery Maintenance Mechanic	WG-10	31.85
Painter, Maintenance	WG-9	30.24
Pipefitter, Maintenance	WG-10	31.85
Plumber, Maintenance	WG-9	30.24
Engineering Technician	GS-7	25.61
Truck Driver	WG-8	28.75

I.64 FAR 52.222-50 COMBATING TRAFFICKING IN PERSONS (FEB 2009)

I.65 FAR 52.222-54 EMPLOYMENT ELIGIBILITY VERIFICATION (AUG 2013)

I.66 FAR 52.222-99 ESTABLISHING A MINIMUM WAGE FOR CONTRACTORS (OCT 2014) (DEVIATION)

This clause implements Executive Order 13658, Establishing a Minimum Wage for Contractors, dated February 12, 2014, and OMB Policy Memorandum M-14-09, dated June 12, 2014.

(a) Each service employee, laborer, or mechanic employed in the United States (the 50 States and the District of Columbia) in the performance of this contract by the prime Contractor or any subcontractor, regardless of any contractual relationship which may be alleged to exist between the Contractor and service employee, laborer, or mechanic, shall be paid not less than the applicable minimum wage under Executive Order 13658. The minimum wage required to be paid to each service employee, laborer, or mechanic performing work on this contract between January 1, 2015, and December 31, 2015, shall be $10.10 per hour.

(b) The Contractor shall adjust the minimum wage paid under this contract each time the Secretary of Labor's annual determination of the applicable minimum wage under section 2(a) (ii) of Executive Order 13658 results in a higher minimum wage. Adjustments to the Executive Order minimum wage under section 2(a) (ii) of Executive Order 13658 will be effective for all service employees, laborers, or mechanics subject to the Executive Order beginning January 1 of the following year. The Secretary of Labor will publish annual determinations in the Federal Register no later than 90 days before such new wage is to take effect. The Secretary will also publish the applicable minimum wage on www.wdol.gov (or any successor website). The applicable published minimum wage is incorporated by reference into this contract.

(c) The Contracting Officer will adjust the contract price or contract unit prices under this clause only for the increase in labor costs resulting from the annual inflation increases in the Executive Order 13658 minimum wage beginning on January 1, 2016. The Contracting Officer shall consider documentation as to the specific costs and workers impacted in determining the amount of the adjustment.

(d) The Contractor Officer will not adjust the contract price under this clause for any costs other than those identified in paragraph (c) of this clause, and will not provide price adjustments under this clause that result in duplicate price adjustments with the respective clause of this contract implementing the Service Contract Labor Standards statute (formerly known as the Service Contract Act) or the Wage Rate Requirements (Construction) statute (formerly known as the Davis Bacon Act).

(e) The Contractor shall include the substance of this clause, including this paragraph (e) in all subcontracts.

I.67 FAR 52.223-2 AFFIRMATIVE PROCUREMENT OF BIOBASED PRODUCTS UNDER SERVICE AND CONSTRUCTION CONTRACTS (SEPT 2013)

I.68 FAR 52.223-3 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (JAN 1997) ALTERNATE I (JUL 1995)

(a) "Hazardous material," as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).

(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as national stock number or special item number. This information shall be included on the Material Safety Data Sheet submitted under this contract.

Material (if none, insert none)
_None_____
_____
_____

Identification No.
_____
_____

(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.

(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the material safety data sheet prior to award may result in the Contracting Officer and resubmit the data.

(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause or the certification submitted under paragraph (c) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.

(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.

(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate, and disclose any data to which this clause is applicable. The purposes of this right are to—

(i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with subparagraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The government is not precluded from using similar or identical data acquired from other sources.

(i) Except as provided in paragraph (i)(2) the Contractor shall prepare and submit a sufficient number of Material Safety Data Sheets (MSDS's), meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous materials identified in paragraph (b) of this clause.

(1) For items shipped to consignees, the Contractor shall include a copy of the MSDS with the packing list or other suitable shipping document which accompanies each shipment. Alternatively, the Contractor is permitted to transmit MSDSs to consignees in advance of receipt of shipments by consignees, if authorized in writing by the Contracting Officer.

(2) For items shipped to consignees identified by mailing address as agency depots, distribution centers or customer supply centers, the Contractor shall provide one copy of the MSDS's in or on each shipping container. If affixed to the outside of each container, the MSDS's must be placed in a weather resistant envelope.

I.69 FAR 52.223-5 POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (MAY 2011) – ALT I (MAY 2011)

I.70 FAR 52.233-6 DRUG-FREE WORKPLACE (MAY 2001)

I.71 FAR 52.223-9 ESTIMATE OF PERCENTAGE OF RECOVERED MATERIAL CONTENT FOR EPA-DESIGNATED ITEMS (MAY 2008)

(a) Definitions. As used in this clause-

"Postconsumer material" means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of "recovered material."

"Recovered material" means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and

by-products generated from, and commonly reused within, an original manufacturing process.

(b) The Contractor, on completion of this contract, shall--

(1) Estimate the percentage of the total recovered material content for EPA-designated item(s) delivered and/or used in contract performance, including, if applicable, the percentage of post-consumer material content; and

(2) Submit this estimate to _____**TBD**_____ [Contracting Officer complete in accordance with agency procedures].

I.72 FAR 52.223-10 WASTE REDUCTION PROGRAM (MAY 2011)

I.73 FAR 52.223-11 OZONE-DEPLETING SUBSTANCES (MAY 2001)

(a) Definition. "Ozone-depleting substance," as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as—

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

Warning

Contains (or manufactured with, if applicable) *_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

* The Contractor shall insert the name of the substance(s).

I.74 FAR 52.223-12 REFRIGERATION EQUIPMENT AND AIR CONDITIONERS (MAY 1995)

I.75 FAR 52.223-15 ENERGY EFFICIENCY IN ENERGY-CONSUMING PRODUCTS (DEC 2007)

I.76 FAR 52.223-16 ACQUISITION OF EPEAT-REGISTERED PERSONAL COMPUTER PRODUCTS (JUN 2014)

I.77 FAR 52.223-17 AFFIRMATIVE PROCUREMENT OF EPA-DESIGNATED ITEMS IN SERVICE AND CONSTRUCTION CONTRACTS (MAY 2008)

I.78 FAR 52.223-18 ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (AUG 2011)

I.79 FAR 52.223-19 COMPLIANCE WITH ENVIRONMENTAL MANAGEMENT SYSTEMS (MAY 2011)

I.80 FAR 52.224-1 PRIVACY ACT NOTIFICATION (APR 1984)

I.81 FAR 52.224-2 PRIVACY ACT (APR 1984)

I.82 FAR 52.225-1 BUY AMERICAN– SUPPLIES (MAY 2014)

I.83 FAR 52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUN 2008)

I.84 FAR 52.227-3 PATENT INDEMNITY (APR 1984)

I.85 FAR 52.227-14 RIGHTS IN DATA—GENERAL (MAY 2014) - ATL I, ALT II, ALT III (DEC 2007)

I.86 FAR 52.227-17 RIGHTS IN DATA – SPECIAL WORKS (DEC 2007)

I.87 FAR 52.227-23 RIGHTS TO PROPOSAL DATA (TECHNICAL) (JUN 1987)

Except for data contained on pages **none**, it is agreed that as a condition of award of this contract, and notwithstanding the conditions of any notice appearing thereon, the Government shall have unlimited rights (as defined in the "Rights in Data—General" clause contained in this contract) in and to the technical data contained in the proposal dated **December 12, 2014**, upon which this contract is based.

I.88 FAR 52.232-9 LIMITATION ON WITHHOLDING OF PAYMENTS (APR 1984)

I.89 FAR 52.232-17 INTEREST (MAY 2014)

I.90 FAR 52.232-18 AVAILABILITY OF FUNDS (APR 1984)

I.91 FAR 52.232-23 ASSIGNMENT OF CLAIMS (MAY 2014)

I.92 FAR 52.232-25 PROMPT PAYMENT (JUL 2013) AND ALTERNATE I (FEB 2002)

I.93 FAR 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER – SYSTEM FOR AWARD MANAGEMENT (JUL 2013)

I.94 FAR 52.233-1 DISPUTES (MAY 2014) – ALTERNATE I (DEC 1991)

I.95 FAR 52.233-3 PROTEST AFTER AWARD (AUG 1996) – ALTERNATE I (JUN 1985)

I.96 FAR 52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)

I.97 FAR 52.236-7 PERMITS AND RESPONSIBILITIES (NOV 1991)

I.98 FAR 52.237-2 PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (APR 1984)

I.99 FAR 52.237-3 CONTINUITY OF SERVICES (JAN 1991)

I.100 FAR 52.239-1 PRIVACY OR SECURITY SAFEGUARDS (AUG 1996)

I.101 FAR 52.242-1 NOTICE OF INTENT TO DISALLOW COSTS (APR 1984)

I.102 FAR 52.242-13 BANKRUPTCY (JUL 1995)

I.103 FAR 52.243-6 CHANGE ORDER ACCOUNTING (APR 1984)

I.104 FAR 52.243-7 NOTIFICATION OF CHANGES (APR 1984)

I.105 FAR 52.244-2 SUBCONTRACTS (OCT 2010) – ALT I (JUN 2007)

(a) *Definitions*. As used in this clause—

"Approved purchasing system" means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR).

"Consent to subcontract" means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

"Subcontract" means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that—

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds—

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

_____

_____

_____

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting—

(A) The principal elements of the subcontract price negotiations;
(B) The most significant considerations controlling establishment of initial or revised prices;
(C) The reason certified cost or pricing data were or were not required;
(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;
(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;
(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and
(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(e)(2) If the Contractor has an approved purchasing system and consent is not required under paragraph (c), or (d) of this clause, the Contractor nevertheless shall notify the Contracting Officer reasonably in advance of entering into any (i) cost-plusfixed- Fee subcontract, or (ii) fixed-price subcontract that exceeds either the simplified acquisition threshold or 5 percent of the total estimated cost of this contract. The notification shall include the information required by paragraphs (e)(1)(i) through (e)(1)(iv) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination—

(1) Of the acceptability of any subcontract terms or conditions;

(2) Of the allowability of any cost under this contract; or

(3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

_____

_____

_____

I.106 FAR 52.244-5 COMPETITION IN SUBCONTRACTING (DEC 1996)

I.107 FAR 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS (JUL 2014)

I.108 FAR 52.245-1 GOVERNMENT PROPERTY (APR 2012) – ALT I (APR 2012)

I.109 FAR 52.245-9 USE AND CHARGES (APR 2012)

I.110 FAR 52.246-25 LIMITATION OF LIABILITY – SERVICES (FEB 1997)

I.111 FAR 52.247-1 COMMERCIAL BILL OF LADING NOTATIONS (FEB 2006)

I.112 FAR 52.247-63 PREFERENCE FOR U.S.-FLAG AIR CARRIERS (JUN 2003)

I.113 FAR 52.247-64 PREFERENCE FOR PRIVATELY OWNED U.S.-FLAG COMMERCIAL VESSELS (FEB 2006)

I.114 FAR 52.247-67 SUBMISSION OF TRANSPORTATION DOCUMENTS FOR AUDIT (FEB 2006)

(a) The Contractor shall submit to the address identified below, for prepayment audit, transportation documents on which the United States will assume freight charges that were paid—

(1) By the Contractor under a cost-reimbursement contract; and

(2) By a first-tier subcontractor under a cost-reimbursement subcontract thereunder.

(b) Cost-reimbursement Contractors shall only submit for audit those bills of lading with freight shipment charges exceeding $100. Bills under $100 shall be retained on-site by the Contractor and made available for on-site audits. This exception only applies to freight shipment bills and is not intended to apply to bills and invoices for any other transportation services.

(c) Contractors shall submit the above referenced transportation documents to—
TBD
[To be filled in by Contracting Officer]

I.115 FAR 52.248-1 VALUE ENGINEERING (OCT 2010)

I.116 FAR 52.249-14 EXCUSABLE DELAYS (APR 1984)

I.117 FAR 52.251-1 GOVERNMENT SUPPLY SOURCES (APR 2012)

I.118 FAR 52.251-2 INTERAGENCY FLEET MANAGEMENT SYSTEM VEHICLES AND RELATED SERVICES (JAN 1991)

I.119 FAR 52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Department of Energy Acquisition Regulation (48 CFR 10) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

I.120 FAR 52.253-1 COMPUTER GENERATED FORMS (JAN 1991)

I.121 DEAR 952.202-1 DEFINITIONS (MAR 2011)

(a) As prescribed in 902.201, insert the clause at 48 CFR 52.202-1, Definitions, in all contracts. The following shall be added to the clause as paragraph (c):

(b) When a solicitation provision or contract clause uses a word or term that is defined in the Department of Energy Acquisition Regulation (DEAR) (48 CFR chapter 9), the word or term has the same meaning as the definition in 48 CFR 902.101 or the definition in the part, subpart, or section of 48 CFR chapter 9 where the provision or clause is prescribed in effect at the time the solicitation was issued, unless an exception in (a) applies.

I.122 DEAR 952.203-70 WHISTLEBLOWER PROTECTION FOR CONTRACTOR EMPLOYEES (DEC 2000)

(a) The Contractor shall comply with the requirements of the "DOE Contractor Employee Protection Program" at 10 CFR part 708 for work performed on behalf of DOE directly related to activities at DOE-owned or -leased sites.

(b) The Contractor shall insert or have inserted the substance of this clause, including this paragraph (b), in subcontracts at all tiers, for subcontracts involving work performed on behalf of DOE directly related to activities at DOE-owned or leased sites.

I.123 DEAR 952.204-2 SECURITY (MAR 2011)

(a) *Responsibility.* It is the Contractor's duty to protect all classified information, special nuclear material, and other DOE property. The Contractor shall, in accordance with DOE security regulations and requirements, be responsible for protecting all classified information and all classified matter (including documents, material and special nuclear material) which are in the Contractor's possession in connection with the performance of work under this contract against sabotage, espionage, loss or theft. Except as otherwise expressly provided in this contract, the Contractor shall, upon completion or termination of this contract, transmit to DOE any classified matter or special nuclear material in the possession of the Contractor or any person under the Contractor's control in connection with performance of this contract. If retention by the Contractor of any classified matter is required after the completion or termination of the contract, the Contractor shall identify the items and classification levels and categories of matter proposed for retention, the reasons for the retention, and the proposed period of retention. If the retention is approved by the Contracting Officer, the security provisions of the contract shall continue to be applicable to the classified matter retained. Special nuclear material shall not be retained after the completion or termination of the contract.

(b) *Regulations.* The Contractor agrees to comply with all security regulations and contract requirements of DOE as incorporated into the contract.

(c) *Definition of classified information.* The term *Classified Information* means information that is classified as Restricted Data or Formerly Restricted Data under the Atomic Energy Act of 1954, or information determined to require protection against unauthorized disclosure under Executive Order 12958, *Classified National Security Information*, as amended, or prior executive orders, which is identified as *National Security Information.*

(d) *Definition of restricted data.* The term *Restricted Data* means all data concerning design, manufacture, or utilization of atomic weapons; production of special nuclear material; or use of special nuclear material in the production of energy, but excluding data declassified or removed from the Restricted Data category pursuant to 42 U.S.C. 2162 [Section 142, as amended, of the Atomic Energy Act of 1954].

(e) *Definition of formerly restricted data.* The term "*Formerly Restricted Data"* means information removed from the Restricted Data category based on a joint determination by DOE or its predecessor agencies and the Department of Defense that the information—(1) Relates primarily to the military utilization of atomic weapons; and (2) can be adequately protected as National Security Information. However, such information is subject to the same restrictions on transmission to other countries or regional defense organizations that apply to Restricted Data.

(f) *Definition of national security information.* The term "*National Security Information"* means information that has been determined, pursuant to Executive Order 12958, Classified National Security Information, as amended, or any predecessor order, to require protection against unauthorized disclosure, and that is marked to indicate its classified status when in documentary form.

(g) *Definition of special nuclear material.* The term "special nuclear material" means—(1) Plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material which, pursuant to 42 U.S.C. 2071 [section 51 as amended, of the Atomic Energy Act of 1954] has been determined to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.

(h) *Access authorizations of personnel.* (1) The Contractor shall not permit any individual to have access to any classified information or special nuclear material, except in accordance with the Atomic Energy Act of 1954, and the DOE's regulations and contract requirements applicable to the particular level and category of classified information or particular category of special nuclear material to which access is required.

(2) The Contractor must conduct a thorough review, as defined at 48 CFR 904.401, of an uncleared applicant or uncleared employee, and must test the individual for illegal drugs, prior to selecting the individual for a position requiring a DOE access authorization.

(i) A review must—Verify an uncleared applicant's or uncleared employee's educational background, including any high school diploma obtained within the past five years, and degrees or diplomas granted by an institution of higher learning; contact listed employers for the last three years and listed personal references; conduct local law enforcement checks when such checks are not prohibited by state or local law or regulation and when the uncleared applicant or uncleared employee resides in the jurisdiction where the Contractor is located; and conduct a credit check and other checks as appropriate.

(ii) Contractor reviews are not required for an applicant for DOE access authorization who possesses a current access authorization from DOE or another Federal agency, or whose access authorization may be reapproved without a federal background investigation pursuant to Executive Order 12968, Access to Classified Information (August 4, 1995), Sections 3.3(c) and (d).

(iii) In collecting and using this information to make a determination as to whether it is appropriate to select an uncleared applicant or uncleared employee to a position requiring an access authorization, the Contractor must comply with all applicable laws, regulations, and Executive Orders, including those—(A) Governing the processing and privacy of an individual's information, such as the Fair Credit Reporting Act, Americans with Disabilities Act (ADA), and Health Insurance Portability and Accountability Act; and (B) prohibiting discrimination in employment, such as under the ADA, Title VII and the Age Discrimination in Employment Act, including with respect to pre- and post-offer of employment disability related questioning.

(iv) In addition to a review, each candidate for a DOE access authorization must be tested to demonstrate the absence of any illegal drug, as defined in 10 CFR 707.4. All positions requiring access authorizations are deemed *testing designated positions* in accordance with 10 CFR part 707. All employees possessing access authorizations are subject to applicant, random or for cause testing for use of illegal drugs. DOE will not process candidates for a DOE access authorization unless their tests confirm the absence from their system of any illegal drug.

(v) When an uncleared applicant or uncleared employee receives an offer of employment for a position that requires a DOE access authorization, the Contractor shall not place that individual in such a position prior to the individual's receipt of a DOE access authorization, unless an approval has been obtained from the head of the cognizant local security office. If the individual is hired and placed in the position prior to receiving an access authorization, the uncleared employee may not be afforded access to classified information or matter or special nuclear material (in categories requiring access authorization) until an access authorization has been granted.

(vi) The Contractor must furnish to the head of the cognizant local DOE Security Office, in writing, the following information concerning each uncleared

applicant or uncleared employee who is selected for a position requiring an access authorization—

(A) The date(s) each Review was conducted;

(B) Each entity that provided information concerning the individual;

(C) A certification that the review was conducted in accordance with all applicable laws, regulations, and Executive Orders, including those governing the processing and privacy of an individual's information collected during the review;

(D) A certification that all information collected during the review was reviewed and evaluated in accordance with the Contractor's personnel policies; and

(E) The results of the test for illegal drugs.

(i) *Criminal liability*. It is understood that disclosure of any classified information relating to the work or services ordered hereunder to any person not entitled to receive it, or failure to protect any classified information, special nuclear material, or other Government property that may come to the Contractor or any person under the Contractor's control in connection with work under this contract, may subject the Contractor, its agents, employees, or Subcontractors to criminal liability under the laws of the United States (see the Atomic Energy Act of 1954, 42 U.S.C. 2011 et seq.; 18 U.S.C. 793 and 794).

(j) *Foreign ownership, control, or influence*. (1) The Contractor shall immediately provide the cognizant security office written notice of any change in the extent and nature of foreign ownership, control or influence over the Contractor which would affect any answer to the questions presented in the Standard Form (SF) 328, *Certificate Pertaining to Foreign Interests* , executed prior to award of this contract. Contractors are encouraged to submit this information through the use of the online tool at *https://foci.td.anl.gov.* When completed the Contractor must print and sign one copy of the SF 328 and submit it to the Contracting Officer. In addition, any notice of changes in ownership or control which are required to be reported to the Securities and Exchange Commission, the Federal Trade Commission, or the Department of Justice, shall also be furnished concurrently to the Contracting Officer.

(2) If a Contractor has changes involving foreign ownership, control, or influence, DOE must determine whether the changes will pose an undue risk to the common defense and security. In making this determination, DOE will consider proposals made by the Contractor to avoid or mitigate foreign influences.

(3) If the cognizant security office at any time determines that the Contractor is, or is potentially, subject to foreign ownership, control, or influence, the Contractor shall comply with such instructions as the Contracting Officer shall provide in writing to protect any classified information or special nuclear material.

(4) The Contracting Officer may terminate this contract for default either if the Contractor fails to meet obligations imposed by this clause or if the Contractor creates a foreign ownership, control, or influence situation in order to avoid performance or a termination for default. The Contracting Officer may terminate

this contract for convenience if the Contractor becomes subject to foreign ownership, control, or influence and for reasons other than avoidance of performance of the contract, cannot, or chooses not to, avoid or mitigate the foreign ownership, control, or influence problem.

(k) *Employment announcements*. When placing announcements seeking applicants for positions requiring access authorizations, the Contractor shall include in the written vacancy announcement, a notification to prospective applicants that reviews, and tests for the absence of any illegal drug as defined in 10 CFR 707.4, will be conducted by the employer and a background investigation by the Federal government may be required to obtain an access authorization prior to employment, and that subsequent reinvestigations may be required. If the position is covered by the Counterintelligence Evaluation Program regulations at 10 CFR part 709, the announcement should also alert applicants that successful completion of a counterintelligence evaluation may include a counterintelligence-scope polygraph examination.

(l) *Flow down to subcontracts*. The Contractor agrees to insert terms that conform substantially to the language of this clause, including this paragraph, in all subcontracts under its contract that will require subcontractor employees to possess access authorizations. Additionally, the Contractor must require such subcontractors to have an existing DOD or DOE facility clearance or submit a completed SF 328, *Certificate Pertaining to Foreign Interests*, as required in 48 CFR 952.204-73, Facility Clearance, and obtain a foreign ownership, control and influence determination and facility clearance prior to award of a subcontract. Information to be provided by a subcontractor pursuant to this clause may be submitted directly to the Contracting Officer. For purposes of this clause, subcontractor means any subcontractor at any tier and the term “Contracting Officer” means the DOE Contracting Officer. When this clause is included in a subcontract, the term “Contractor” shall mean subcontractor and the term “contract” shall mean subcontract.

I.124 DEAR 952.204-70 CLASSIFICATION/DECLASSIFICATION (SEPT 1997)

In the performance of work under this contract, the contractor or subcontractor shall comply with all provisions of the Department of Energy's regulations and mandatory DOE directives which apply to work involving the classification and declassification of information, documents, or material. In this section, "information" means facts, data, or knowledge itself; "document" means the physical medium on or in which information is recorded; and "material" means a product or substance which contains or reveals information, regardless of its physical form or characteristics. Classified information is "Restricted Data" and "Formerly Restricted Data" (classified under the Atomic Energy Act of 1954, as amended) and "National Security Information" (classified under Executive Order 12958 or prior Executive Orders). The original decision to classify or

declassify information is considered an inherently Governmental function. For this reason, only Government personnel may serve as original classifiers, i.e., Federal Government Original Classifiers. Other personnel (Government or contractor) may serve as derivative classifiers which involves making classification decisions based upon classification guidance which reflect decisions made by Federal Government Original Classifiers.

The contractor or subcontractor shall ensure that any document or material that may contain classified information is reviewed by either a Federal Government or a Contractor Derivative Classifier in accordance with classification regulations including mandatory DOE directives and classification/declassification guidance furnished to the contractor by the Department of Energy to determine whether it contains classified information prior to dissemination. For information which is not addressed in classification/declassification guidance, but whose sensitivity appears to warrant classification, the contractor or subcontractor shall ensure that such information is reviewed by a Federal Government Original Classifier.

In addition, the contractor or subcontractor shall ensure that existing classified documents (containing either Restricted Data or Formerly Restricted Data or National Security Information) which are in its possession or under its control are periodically reviewed by a Federal Government or Contractor Derivative Declassifier in accordance with classification regulations, mandatory DOE directives and classification/declassification guidance furnished to the contractor by the Department of Energy to determine if the documents are no longer appropriately classified. Priorities for declassification review of classified documents shall be based on the degree of public and researcher interest and the likelihood of declassification upon review. Documents which no longer contain classified information are to be declassified. Declassified documents then shall be reviewed to determine if they are publicly releasable. Documents which are declassified and determined to be publicly releasable are to be made available to the public in order to maximize the public's access to as much Government information as possible while minimizing security costs.

The contractor or subcontractor shall insert this clause in any subcontract which involves or may involve access to classified information.

I.125 DEAR 952.204-75 PUBLIC AFFAIRS (DEC 2000)

(a) The Contractor must cooperate with the department in releasing unclassified information to the public and news media regarding doe policies, programs, and activities relating to its effort under the contract. The responsibilities under this clause must be accomplished through coordination with the Contracting Officer and

appropriate DOE public affairs personnel in accordance with procedures defined by the Contracting Officer.

(b) The Contractor is responsible for the development, planning, and coordination of proactive approaches for the timely dissemination of unclassified information regarding DOE activities onsite and offsite, including, but not limited to, operations and programs. Proactive public affairs programs may utilize a variety of communication media, including public workshops, meetings or hearings, open houses, newsletters, press releases, conferences, audio/visual presentations, speeches, forums, tours, and other appropriate stakeholder interactions.

(c) The Contractor's internal procedures must ensure that all releases of information to the public and news media are coordinated through, and approved by, a management official at an appropriate level within the Contractor's organization.

(d) The Contractor must comply with DOE procedures for obtaining advance clearances on oral, written, and audio/visual informational material prepared for public dissemination or use.

(e) Unless prohibited by law, and in accordance with procedures defined by the Contracting Officer, the Contractor must notify the Contracting Officer and appropriate DOE public affairs personnel of communications or contacts with members of Congress relating to the effort performed under the contract.

(f) In accordance with procedures defined by the Contracting Officer, the Contractor must notify the Contracting Officer and appropriate DOE public affairs personnel of activities or situations that may attract regional or national news media attention and of non-routine inquiries from national news media relating to the effort performed under the contract.

(g) In releases of information to the public and news media, the Contractor must fully and accurately identify the Contractor's relationship to the department and fully and accurately credit the department for its role in funding programs and projects resulting in scientific, technical, and other achievements.

I.126 DEAR 952.204-77 COMPUTER SECURITY (AUG 2006)

(a) Definitions.

(1) Computer means desktop computers, portable computers, computer networks (including the DOE Network and local area networks at or controlled by DOE

organizations), network devices, automated information systems, and or other related computer equipment owned by, leased, or operated on behalf of the DOE.

(2) Individual means a DOE contractor or subcontractor employee, or any other person who has been granted access to a DOE computer or to information on a DOE computer, and does not include a member of the public who sends an e-mail message to a DOE computer or who obtains information available to the public on DOE Web sites.

(b) Access to DOE computers. A contractor shall not allow an individual to have access to information on a DOE computer unless:

(1) The individual has acknowledged in writing that the individual has no expectation of privacy in the use of a DOE computer; and,

(2) The individual has consented in writing to permit access by an authorized investigative agency to any DOE computer used during the period of that individual's access to information on a DOE computer, and for a period of three years thereafter.

(c) No expectation of privacy. Notwithstanding any other provision of law (including any provision of law enacted by the Electronic Communications Privacy Act of 1986), no individual using a DOE computer shall have any expectation of privacy in the use of that computer.

(d) Written records. The contractor is responsible for maintaining written records for itself and subcontractors demonstrating compliance with the provisions of paragraph (b) of this section. The contractor agrees to provide access to these records to the DOE, or its authorized agents, upon request.

(e) Subcontracts. The contractor shall insert this clause, including this paragraph (e), in subcontracts under this contract that may provide access to computers owned, leased or operated on behalf of the DOE.

I.127 DEAR 952.208-70 PRINTING (APR 1984)

The Contractor shall not engage in, nor subcontract for, any printing (as that term is defined in title i of the U.S. Government Printing and Binding Regulations in effect on the effective date of this contract) in connection with the performance of work under this contract. Provided, however, that performance of a requirement under this contract involving the duplication of less than 5,000 copies of a single unit, or no more than

25,000 units in the aggregate of multiple units, will not be deemed to be printing. A unit is defined as one sheet, size 8" by 11 inches one side only, one color. A requirement is defined as a single publication document.

(1) The term "printing" includes the following processes: composition, plate making, presswork, binding, microform publishing, or the end items produced by such processes.
(2) If fulfillment of the contract will necessitate reproduction in excess of the limits set forth above, the Contractor shall notify the Contracting Officer in writing and obtain the Contracting Officer's approval prior to acquiring on DOE's behalf production, acquisition, and dissemination of printed matter. Such printing must be obtained from the Government Printing Office (GPO), a contract source designated by GPO or a joint committee on printing authorized federal printing plant.
(3) Printing services not obtained in compliance with this guidance will result in the cost of such printing being disallowed.
(4) The Contractor will include in each of his subcontracts hereunder a provision substantially the same as this clause including this paragraph (4).

I.128 DEAR 952.209-72 ORGANIZATIONAL CONFLICTS OF INTEREST (AUG 2009) AND ALTERNATE I (FEB 2011)

(a) Purpose. The purpose of this clause is to ensure that the Contractor (1) is not biased because of its financial, contractual, organizational, or other interests which relate to the work under this contract, and (2) does not obtain any unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) Scope. The restrictions described herein shall apply to performance or participation by the Contractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as "Contractor") in the activities covered by this clause as a prime Contractor, subcontractor, cosponsor, joint venturer, consultant, or in any similar capacity. For the purpose of this clause, affiliation occurs when a business concern is controlled by or has the power to control another or when a third party has the power to control both.

(1) Use of Contractor's Work Product.

(i) The Contractor shall be ineligible to participate in any capacity in Department contracts, subcontracts, or proposals therefore (solicited and unsolicited) which stem directly from the Contractor's performance of work under this contract for a period of zero (0) years after the completion of this contract. Furthermore, unless so directed in writing by the Contracting Officer, the

Contractor shall not perform any advisory and assistance services work under this contract on any of its products or services or the products or services of another firm if the Contractor is or has been substantially involved in their development or marketing. Nothing in this subparagraph shall preclude the Contractor from competing for follow-on contracts for advisory and assistance services.

(ii) If, under this contract, the Contractor prepares a complete or essentially complete statement of work or specifications to be used in competitive acquisitions, the Contractor shall be ineligible to perform or participate in any capacity in any contractual effort which is based on such statement of work or specifications. The Contractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by the Contracting Officer, in which case the restriction in this subparagraph shall not apply.

(iii) Nothing in this paragraph shall preclude the Contractor from offering or selling its standard and commercial items to the Government.

(2) Access to and use of information.

(i) If the Contractor, in the performance of this contract, obtains access to information, such as Department plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or data which has not been released or otherwise made available to the public, the Contractor agrees that without prior written approval of the Contracting Officer it shall not—

(A) use such information for any private purpose unless the information has been released or otherwise made available to the public;

(B) compete for work for the Department based on such information for a period of six (6) months after either the completion of this contract or until such information is released or otherwise made available to the public, whichever is first;

(C) submit an unsolicited proposal to the Government which is based on such information until one year after such information is released or otherwise made available to the public; and

(D) release such information unless such information has previously been released or otherwise made available to the public by the Department.

(ii) In addition, the Contractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or other confidential or privileged technical, business, or financial information under this contract, it shall treat such information in accordance with any restrictions imposed on such information.

(iii) The Contractor may use technical data it first produces under this contract for its private purposes consistent with paragraphs (b)(2)(i) (A) and (D) of this clause and the patent, rights in data, and security provisions of this contract.

(c) Disclosure after award.

(1) The Contractor agrees that, if changes, including additions, to the facts disclosed by it prior to award of this contract, occur during the performance of this contract, it shall make an immediate and full disclosure of such changes in writing to the Contracting Officer. Such disclosure may include a description of any action which the Contractor has taken or proposes to take to avoid, neutralize, or mitigate any resulting conflict of interest. The Department may, however, terminate the contract for convenience if it deems such termination to be in the best interest of the Government.

(2) In the event that the Contractor was aware of facts required to be disclosed or the existence of an actual or potential organizational conflict of interest and did not disclose such facts or such conflict of interest to the Contracting Officer, DOE may terminate this contract for default.

(d) Remedies. For breach of any of the above restrictions or for nondisclosure or misrepresentation of any facts required to be disclosed concerning this contract, including the existence of an actual or potential organizational conflict of interest at the time of or after award, the Government may terminate the contract for default, disqualify the Contractor from subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or this contract.

(e) Waiver. Requests for waiver under this clause shall be directed in writing to the Contracting Officer and shall include a full description of the requested waiver and the reasons in support thereof. If it is determined to be in the best interests of the Government, the Contracting Officer may grant such a waiver in writing.

(f) Subcontracts.

(1) The Contractor shall include a clause, substantially similar to this clause, including this paragraph (f), in subcontracts expected to exceed the simplified acquisition threshold determined in accordance with 48 CFR part 13 and involving the performance of advisory and assistance services as that term is defined at 48 CFR 2.101. The terms "contract, " "Contractor," and "Contracting Officer" shall be appropriately modified to preserve the Government's rights.

(2) Prior to the award under this contract of any such subcontracts for advisory and assistance services, the Contractor shall obtain from the proposed subcontractor or consultant the disclosure required by 48 CFR 909.507-1, and shall determine in writing whether the interests disclosed present an actual or significant potential for an organizational conflict of interest. Where an actual or significant potential organizational conflict of interest is identified, the Contractor shall take actions to avoid, neutralize, or mitigate the organizational conflict to the satisfaction of the Contractor. If the conflict cannot be avoided or neutralized, the Contractor must obtain the approval of the DOE Contracting Officer prior to entering into the subcontract.

I.129 DEAR 952.215-70 KEY PERSONNEL (DEC 2000)

(a) The personnel listed in Section H are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel, the Contractor must: (1) Notify the Contracting Officer reasonably in advance; (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract; and (3) obtain the Contracting Officer's written approval. Notwithstanding the foregoing, if the Contractor deems immediate removal or suspension of any member of its management team is necessary to fulfill its obligation to maintain satisfactory standards of employee competency, conduct, and integrity under the clause at 48 CFR 970.5203-3, Contractor's Organization, the Contractor may remove or suspend such person at once, although the Contractor must notify Contracting Officer prior to or concurrently with such action.

(b) The list of personnel may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel.

I.130 DEAR 952.217-70 ACQUISITION OF REAL PROPERTY (MAR 2011)

(a) Notwithstanding any other provision of the contract, the prior approval of the Contracting Officer shall be obtained when, in performance of this contract, the Contractor acquires or proposes to acquire use of real property by:

(1) Purchase, on the Government's behalf or in the Contractor's own name, with title eventually vesting in the Government.

(2) Lease for which the Department of Energy will reimburse the incurred costs as a reimbursable contract cost.

(3) Acquisition of temporary interest through easement, license or permit, and the Government funds the entire cost of the temporary interest.

(b) Justification of and execution of any real property acquisitions shall be in accordance and compliance with directions provided by the Contracting Officer.

(c) The substance of this clause, including this paragraph (c), shall be included in any subcontract occasioned by this contract under which property described in paragraph (a) of this clause shall be acquired.

I.131 DEAR 952.223-72 RADIATION PROTECTION AND NUCLEAR CRITICALITY (APR 1984)

The Contractor shall take all reasonable precautions in the performance of work under this contract to protect the safety and health of employees and of members of the public against the hazards of ionizing radiation and radioactive materials and shall comply with all applicable radiation protection and nuclear criticality safety standards and requirements (including reporting requirements) of DOE. The Contractor shall submit a management program and implementation plan to the Contracting Officer for review and approval within 30 days after the effective date of this contract or modification. In the event that the Contractor fails to comply with said standards and requirements of DOE, the Contracting Officer may, without prejudice to any other legal or contractual rights of DOE, issue an order stopping all or any part of the work. Thereafter, a start order for resumption of the work may be issued at the discretion of the Contracting Officer. The contractor shall make no claim for an extension of time or for compensation or damages by reason of or in connection with such work stoppage.

I.132 DEAR 952.223-75 PRESERVATION OF INDIVIDUAL OCCUPATIONAL RADIATION EXPOSURE RECORDS (APR 1984)

Individual Occupational Radiation Exposure records generated in the performance of work under this contract shall be subject to inspection by DOE and shall be preserved by the Contractor until disposal is authorized by DOE or at the option of the Contractor delivered to DOE upon completion or termination of the contract. If the Contractor exercises the foregoing option, title to such records shall vest in DOE upon delivery.

I.133 DEAR 952.223-78 SUSTAINABLE ACQUISITION PROGRAM (OCT 2010)

(a) Pursuant to Executive Order 13423, Strengthening Federal Environmental, Energy and Transportation Management, and Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance, the DOE is committed to managing its facilities in an environmentally preferable and sustainable manner that will promote the natural environment and protect the health and well being of its Federal employees and contractor service providers. In the performance of work under this contract, the Contractor shall provide its services in a manner that promotes the natural environment, reduces greenhouse gas emissions and protects the health and well being of Federal employees, contract service providers and visitors using the facility.

(b) Green purchasing or sustainable acquisition has several interacting initiatives. The Contractor must comply with initiatives that are current as of the contract award date. DOE may require compliance with revised initiatives from time to time. The Contractor may request an equitable adjustment to the terms of its contract using the procedures at 48 CFR 970.5243–1 Changes. The initiatives important to these Orders are explained on the following Government or Industry

Internet Sites:
(1) Recycled Content Products are described at *http://epa.gov/cpg*.
(2) Biobased Products are described at *http://www.biopreferred.gov/*.
(3) Energy efficient products are at *http://energystar.gov/products* for Energy Star products.
(4) Energy efficient products are at *http://www.femp.energy.gov/procurement* for FEMP designated products.
(5) Environmentally preferable and energy efficient electronics including desktop computers, laptops and monitors are at *http://www.epeat.net* the Electronic Products Environmental Assessment Tool (EPEAT) the Green Electronics Council site.
(6) Green house gas emission inventories are required, including Scope 3 emissions which include contractor emissions. These are discussed at Section 13 of Executive Order 13514 which can be found at *http://www.archives.gov/federal-register/executive-orders/disposition.html.*
(7) Non-Ozone Depleting Alternative Products are at *http://www.epa.gov/ozone/strathome.html.*
(8) Water efficient plumbing products are at *http://epa.gov/watersense.*

(c) The clauses at FAR 52.223–2, Affirmative Procurement of Biobased Products under Service and Construction Contracts, 52.223–15, Energy Efficiency in Energy Consuming Products, and 52.223–17 Affirmative Procurement of EPA–Designated Items in Service and Construction Contracts, require the use of products that have biobased content, are energy efficient, or have recycled content. To the extent that the services provided by the Contractor require provision of any of the above types of products, the Contractor must provide the energy efficient and environmentally sustainable type of product unless that type of product—

(1) Is not available;

(2) Is not life cycle cost effective (or does not exceed 110% of the price of alternative items if life cycle cost data is unavailable), EPEAT is an example of lifecycle costs that have been analyzed by DOE and found to be acceptable at the silver and gold level;

(3) Does not meet performance needs; or,

(4) Cannot be delivered in time to meet a critical need.

(d) In the performance of this contract, the Contractor shall comply with the requirements of Executive Order 13423, Strengthening Federal Environmental, Energy and Transportation Management, (*http://www.epa.gov/greeningepa/practices/eo13423.htm*) and Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance (*http://www.archives.gov/ federal-register/executive-orders/disposition.html*). The Contractor shall also consider the best practices within the DOE Acquisition Guide, Chapter 23, *Acquisition Considerations Regarding Federal Leadership in Environmental, Energy, and Economic Performance.* This guide includes information concerning recycled content products, biobased products, energy efficient products, water efficient products, alternative fuels and vehicles, non ozone depleting substances and other environmentally preferable products and services. This guide is available on the Internet at: *http://management.energy.gov/documents/AcqGuide23pt0Rev1.pdf*.

(e) Contractors must establish and maintain a documented energy management program which includes requirements for energy and water efficient equipment, EnergyStar or WaterSense, as applicable and procedures for verification of purchases, following the criteria in DOE Order 430.2B, Departmental Energy, Renewable Energy, and Transportation Management, Attachment 1, or its successor. This requirement should not be flowed down to subcontractors.

(f) In complying with the requirements of paragraph (c) of this clause, the Contractor shall coordinate its activities with and submit required reports through the Environmental Sustainability Coordinator or equivalent position.

(g) The Contractor shall prepare and submit performance reports using prescribed DOE formats, at the end of the Federal fiscal year, on matters related to the acquisition of environmentally preferable and sustainable products and services. This is a material delivery under the contract. Failure to perform this requirement may be considered a failure that endangers performance of this contract and may result in termination for default [see FAR 52.249–6, Termination (Cost Reimbursement)].

(h) These provisions shall be flowed down only to first tier subcontracts exceeding the simplified acquisition threshold that support operation of the DOE facility and offer significant subcontracting opportunities for energy efficient or environmentally sustainable products or services. The Subcontractor will comply with the procedures in paragraphs (c) through (f) of this clause regarding the collection of all data necessary to generate the reports required under paragraphs (c) through (f) of this clause, and submit the reports directly to the Prime Contractor's Environmental Sustainability Coordinator at the supported facility. The Subcontractor will advise the Contractor if it is unable to procure energy efficient and environmentally sustainable items and cite which of the reasons in paragraph (c) of this clause apply. The reports may be submitted at the conclusion of the subcontract term provided that the subcontract delivery term is not multi-year in nature. If the delivery term is multi-year, the Subcontractor shall report its accomplishments for each Federal fiscal year in a manner and at a time or times acceptable to both parties. Failure to comply with these reporting requirements may be considered a breach of contract with attendant consequences.

(i) When this clause is used in a subcontract, the word ''Contractor'' will be understood to mean ''Subcontractor.''

I.134 DEAR 952.226-74 DISPLACED EMPLOYEE HIRING PREFERENCE (JUN 1997)

(a) Definition. Eligible employee means a current or former employee of a contractor or subcontractor employed at a Department of Energy Defense Nuclear Facility (1) whose position of employment has been, or will be, involuntarily terminated (except if terminated for cause), (2) who has also met the eligibility criteria contained in the Department of Energy guidance for contractor work force restructuring, as may be amended or supplemented from time to time, and (3) who is qualified for a particular job vacancy with the Department or one of its contractors with respect to work under its contract with the Department at the time the particular position is available.

(b) Consistent with Department of Energy guidance for contractor work force restructuring, as may be amended or supplemented from time to time, the Contractor agrees that it will provide a preference in hiring to an eligible employee to the extent practicable for work performed under this contract.

(c) The requirements of this clause shall be included in subcontracts at any tier (except for subcontracts for commercial items pursuant to 41 U.S.C. 403) expected to exceed $500,000.

I.135 DEAR 952.231-71 INSURANCE – LITIGATION AND CLAIMS (JUL 2013)

(a) The contractor must comply with 10 CFR part 719, contractor Legal Management Requirements, if applicable.

(b)(1) Except as provided in paragraph (b)(2) of this clause, the contractor shall procure and maintain such bonds and insurance as required by law or approved in writing by the Contracting Officer.

(2) The contractor may, with the approval of the Contracting Officer, maintain a self-insurance program in accordance with FAR 28.308; provided that, with respect to workers' compensation, the contractor is qualified pursuant to statutory authority.

(3) All bonds and insurance required by this clause shall be in a form and amount and for those periods as the Contracting Officer may require or approve and with sureties and insurers approved by the Contracting Officer.

(c) The contractor agrees to submit for the Contracting Officer's approval, to the extent and in the manner required by the Contracting Officer, any other bonds and insurance that are maintained by the contractor in connection with the performance of this contract and for which the contractor seeks reimbursement. If an insurance cost (whether a premium for commercial insurance or related to self-insurance) includes a portion covering costs made unallowable elsewhere in the contract, and the share of the cost for coverage for the unallowable cost is determinable, the portion of the cost that is otherwise an allowable cost under this contract is reimbursable to the extent determined by the Contracting Officer.

(d) Except as provided in paragraph (f) of this clause, or specifically disallowed elsewhere in this contract, the contractor shall be reimbursed--

(1) For that portion of the reasonable cost of bonds and insurance allocable to this contract required in accordance with contract terms or approved under this clause, and

(2) For liabilities (and reasonable expenses incidental to such liabilities, including litigation costs) to third persons not compensated by insurance without regard to the limitation of cost or limitation of funds clause of this contract.

(e) The Government's liability under paragraph (d) of this clause is subject to the availability of appropriated funds. Nothing in this contract shall be construed as

implying that the Congress will, at a later date, appropriate funds sufficient to meet deficiencies.

(f) (1) Notwithstanding any other provision of this contract, the contractor shall not be reimbursed for liabilities to third parties, including contractor employees, and directly associated costs which may include but are not limited to litigation costs, counsel fees, judgment and settlements—

(i) Which are otherwise unallowable by law or the provisions of this contract, including the cost reimbursement limitations contained in 48 CFR part 31, as supplemented by 48 CFR 970.31;

(ii) For which the contractor has failed to insure or to maintain insurance as required by law, this contract, or by the written direction of the Contracting Officer; or

(iii) Which were caused by contractor managerial personnel's—

(A) Willful misconduct;

(B) Lack of good faith; or

(C) Failure to exercise prudent business judgment, which means failure to act in the same manner as a prudent person in the conduct of competitive business; or, in the case of a non-profit educational institution, failure to act in the manner that a prudent person would under the circumstances prevailing at the time the decision to incur the cost is made.

(2) The term "contractor's managerial personnel" is defined in the Property clause in this contract.

(g) (1) All litigation costs, including counsel fees, judgments and settlements shall be segregated and accounted for by the contractor separately. If the Contracting Officer provisionally disallows such costs, then the contractor may not use funds advanced by DOE under the contract to finance the litigation.

(2) Punitive damages are not allowable unless the act or failure to act which gave rise to the liability resulted from compliance with specific terms and conditions of the contract or written instructions from the Contracting Officer.

(3) The portion of the cost of insurance obtained by the contractor that is allocable to coverage of liabilities referred to in paragraph (f) of this clause is not allowable.

(h) The contractor may at its own expense and not as an allowable cost procure for its own protection insurance to compensate the contractor for any unallowable or non-reimbursable costs incurred in connection with contract performance.

I.136 DEAR 952.242-70 TECHNICAL DIRECTION (DEC 2000)

(a) Performance of the work under this contract shall be subject to the technical direction of the DOE Contracting Officer's Representative (COR). The term "technical direction" is defined to include, without limitation:

(1) Providing direction to the Contractor that redirects contract effort, shift work emphasis between work areas or tasks, require pursuit of certain lines of inquiry, fill in details, or otherwise serve to accomplish the contractual Statement of Work.

(2) Providing written information to the Contractor that assists in interpreting drawings, specifications, or technical portions of the work description.

(3) Reviewing and, where required by the contract, approving, technical reports, drawings, specifications, and technical information to be delivered by the Contractor to the Government.

(b) The Contractor will receive a copy of the written COR designation from the Contracting Officer. It will specify the extent of the COR's authority to act on behalf of the Contracting Officer.

(c) Technical direction must be within the scope of work stated in the contract. The COR does not have the authority to, and may not, issue any technical direction that—

(1) Constitutes an assignment of additional work outside the Statement of Work;

(2) Constitutes a change as defined in the contract clause entitled "Changes;"

(3) In any manner causes an increase or decrease in the total estimated contract cost, the fee (if any), or the time required for contract performance;

(4) Changes any of the expressed terms, conditions or specifications of the contract; or

(5) Interferes with the Contractor's right to perform the terms and conditions of the contract.

(d) All technical direction shall be issued in writing by the COR.

(e) The Contractor must proceed promptly with the performance of technical direction duly issued by the COR in the manner prescribed by this clause and within its authority under the provisions of this clause. If, in the opinion of the Contractor, any instruction or direction by the COR falls within one of the categories defined in (c)(1) through (c)(5) of this clause, the Contractor must not proceed and must notify the

Contracting Officer in writing within five (5) working days after receipt of any such instruction or direction and must request the Contracting Officer to modify the contract accordingly. Upon receiving the notification from the Contractor, the Contracting Officer must—

(1) Advise the Contractor in writing within thirty (30) days after receipt of the Contractor's letter that the technical direction is within the scope of the contract effort and does not constitute a change under the Changes clause of the contract;

(2) Advise the Contractor in writing within a reasonable time that the Government will issue a written change order; or

(3) Advise the Contractor in writing within a reasonable time not to proceed with the instruction or direction of the COR.

(f) A failure of the Contractor and Contracting Officer either to agree that the technical direction is within the scope of the contract or to agree upon the contract action to be taken with respect to the technical direction will be subject to the provisions of the clause entitled "Disputes."

I.137 DEAR 952.250-70 NUCLEAR HAZARDS INDEMNITY AGREEMENT (JUN 1996)

(a) Authority. This clause is incorporated into this contract pursuant to the authority contained in subsection 170d. of the Atomic Energy Act of 1954, as amended (hereinafter called the Act.)

(b) Definitions. The definitions set out in the Act shall apply to this clause.

(c) Financial protection. Except as hereafter permitted or required in writing by DOE, the contractor will not be required to provide or maintain, and will not provide or maintain at Government expense, any form of financial protection to cover public liability, as described in paragraph (d)(2) below. DOE may, however, at any time require in writing that the contractor provide and maintain financial protection of such a type and in such amount as DOE shall determine to be appropriate to cover such public liability, provided that the costs of such financial protection are reimbursed to the contractor by DOE.

(d)

(1) Indemnification. To the extent that the contractor and other persons indemnified are not compensated by any financial protection permitted or required by DOE, DOE will indemnify the contractor and other persons indemnified against (i) claims for public liability as described in subparagraph (d)(2) of this clause; and (ii) such legal costs of the contractor and other persons indemnified as are approved by DOE, provided that DOE's liability, including such legal costs, shall

not exceed the amount set forth in section 170d. of the Act, as that amount may be increased in accordance with section 170t., in the aggregate for each nuclear incident or precautionary evacuation occurring within the United States or $500 million in the aggregate for each nuclear incident occurring outside the United States, irrespective of the number of persons indemnified in connection with this contract.

(2) The public liability referred to in subparagraph (d)(1) of this clause is public liability as defined in the Act which (i) arises out of or in connection with the activities under this contract, including transportation; and (ii) arises out of or results from a nuclear incident or precautionary evacuation, as those terms are defined in the Act.

(e)

(1) Waiver of Defenses. In the event of a nuclear incident, as defined in the Act, arising out of nuclear waste activities, as defined in the Act, the contractor, on behalf of itself and other persons indemnified, agrees to waive any issue or defense as to charitable or governmental immunity.

(2) In the event of an extraordinary nuclear occurrence which:

(i) Arises out of, results from, or occurs in the course of the construction, possession, or operation of a production or utilization facility; or

(ii) Arises out of, results from, or occurs in the course of transportation of source material, by-product material, or special nuclear material to or from a production or utilization facility; or

(iii) Arises out of or results from the possession, operation, or use by the contractor or a subcontractor of a device utilizing special nuclear material or by-product material, during the course of the contract activity; or

(iv) Arises out of, results from, or occurs in the course of nuclear waste activities, the contractor, on behalf of itself and other persons indemnified, agrees to waive:

(A) Any issue or defense as to the conduct of the claimant (including the conduct of persons through whom the claimant derives its cause of action) or fault of persons indemnified, including, but not limited to:

1. Negligence;

2. Contributory negligence;
3. Assumption of risk; or
4. Unforeseeable intervening causes, whether involving the conduct of a third person or an act of God;

(B) Any issue or defense as to charitable or governmental immunity; and

(C) Any issue or defense based on any statute of limitations, if suit is instituted within 3 years from the date on which the claimant first knew, or reasonably could have known, of his injury or change and the cause thereof. The waiver of any such issue or defense shall be effective regardless of whether such issue or defense may otherwise be deemed jurisdictional or relating to an element in the cause of action. The waiver shall be judicially enforceable in accordance with its terms by the claimant against the person indemnified.

(v) The term extraordinary nuclear occurrence means an event which DOE has determined to be an extraordinary nuclear occurrence as defined in the Act. A determination of whether or not there has been an extraordinary nuclear occurrence will be made in accordance with the procedures in 10 CFR part 840.

(vi) For the purposes of that determination, "offsite" as that term is used in 10 CFR part 840 means away from "the contract location" which phrase means any DOE facility, installation, or site at which contractual activity under this contract is being carried on, and any contractor-owned or controlled facility, installation, or site at which the contractor is engaged in the performance of contractual activity under this contract.

(3) The waivers set forth above:

(i) Shall be effective regardless of whether such issue or defense may otherwise be deemed jurisdictional or relating to an element in the cause of action;

(ii) Shall be judicially enforceable in accordance with its terms by the claimant against the person indemnified;

(iii) Shall not preclude a defense based upon a failure to take reasonable steps to mitigate damages;

(iv) Shall not apply to injury or damage to a claimant or to a claimant's property which is intentionally sustained by the claimant or which results from a nuclear incident intentionally and wrongfully caused by the claimant

(v) Shall not apply to injury to a claimant who is employed at the site of and in connection with the activity where the extraordinary nuclear occurrence takes place, if benefits therefor are either payable or required to be provided under any workmen's compensation or occupational disease law;

(vi) Shall not apply to any claim resulting from a nuclear incident occurring outside the United States;

(vii) Shall be effective only with respect to those obligations set forth in this clause and in insurance policies, contracts or other proof of financial protection; and

(viii) Shall not apply to, or prejudice the prosecution or defense of, any claim or portion of claim which is not within the protection afforded under (A) the limit of liability provisions under subsection 170e. of the Act, and (B) the terms of this agreement and the terms of insurance policies, contracts, or other proof of financial protection.

(f) Notification and litigation of claims. The contractor shall give immediate written notice to DOE of any known action or claim filed or made against the contractor or other person indemnified for public liability as defined in paragraph (d)(2). Except as otherwise directed by DOE, the contractor shall furnish promptly to DOE, copies of all pertinent papers received by the contractor or filed with respect to such actions or claims. DOE shall have the right to, and may collaborate with, the contractor and any other person indemnified in the settlement or defense of any action or claim and shall have the right to (1) require the prior approval of DOE for the payment of any claim that DOE may be required to indemnify hereunder; and (2) appear through the Attorney General on behalf of the contractor or other person indemnified in any action brought upon any claim that DOE may be required to indemnify hereunder, take charge of such action, and settle or defend any such action. If the settlement or defense of any such action or claim is undertaken by DOE, the contractor or other person indemnified shall furnish all reasonable assistance in effecting a settlement or asserting a defense.

(g) Continuity of DOE obligations. The obligations of DOE under this clause shall not be affected by any failure on the part of the contractor to fulfill its obligation under this

contract and shall be unaffected by the death, disability, or termination of existence of the contractor, or by the completion, termination or expiration of this contract.

(h) Effect of other clauses. The provisions of this clause shall not be limited in any way by, and shall be interpreted without reference to, any other clause of this contract, including the clause entitled Contract Disputes, provided, however, that this clause shall be subject to the clauses entitled Covenant Against Contingent Fees, and Accounts, records, and inspection, and any provisions that are later added to this contract as required by applicable Federal law, including statutes, executive orders and regulations, to be included in Nuclear Hazards Indemnity Agreements.

(i) Civil penalties. The contractor and its subcontractors and suppliers who are indemnified under the provisions of this clause are subject to civil penalties, pursuant to section 234A of the Act, for violations of applicable DOE nuclear-safety related rules, regulations, or orders. If the contractor is a not-for-profit contractor, as defined by section 234Ad.(2), the total amount of civil penalties paid shall not exceed the total amount of fees paid within any 1-year period (as determined by the Secretary) under this contract.

(j) Criminal penalties. Any individual director, officer, or employee of the contractor or of its subcontractors and suppliers who are indemnified under the provisions of this clause are subject to criminal penalties, pursuant to section 223(c) of the Act, for knowing and willful violation of the Atomic Energy Act of 1954, as amended, and applicable DOE nuclear safety-related rules, regulations or orders which violation results in, or, if undetected, would have resulted in a nuclear incident.

(k) Inclusion in subcontracts. The contractor shall insert this clause in any subcontract which may involve the risk of public liability, as that term is defined in the Act and further described in paragraph (d)(2) above. However, this clause shall not be included in subcontracts in which the subcontractor is subject to Nuclear Regulatory Commission (NRC) financial protection requirements under section 170b. of the Act or NRC agreements of indemnification under section 170c. or k. of the Act for the activities under the subcontract.

I.138 DEAR 952.251-70 CONTRACTOR EMPLOYEE TRAVEL DISCOUNTS (AUG 2009)

(a) The Contractor shall take advantage of travel discounts offered to Federal Contractor employee travelers by AMTRAK, hotels, motels, or car rental companies, when use of such discounts would result in lower overall trip costs and the discounted services are reasonably available. Vendors providing these services may require the

Contractor employee to furnish them a letter of identification signed by the authorized Contracting Officer.

(b) Contracted airlines. Contractors are not eligible for GSA contract city pair fares.

(c) Discount rail service. AMTRAK voluntarily offers discounts to Federal travelers on official business and sometimes extends those discounts to Federal contractor employees.

(d) Hotels/motels. Many lodging providers extend their discount rates for Federal employees to Federal contractor employees.

(e) Car rentals. Surface Deployment and Distribution Command (SDDC) of the Department of Defense negotiates rate agreements with car rental companies that are available to Federal travelers on official business. Some car rental companies extend those discounts to Federal contractor employees.

(f) Obtaining travel discounts.

(1) To determine which vendors offer discounts to Government contractors, the Contractor may review commercial publications such as the Official Airline guides Official Traveler, Innovata, or National Telecommunications. The Contractor may also obtain this information from GSA contract Travel Management Centers or the Department of Defense's Commercial Travel Offices.

(2) The vendor providing the service may require the Government contractor to furnish a letter signed by the Contracting Officer. The following illustrates a standard letter of identification.

OFFICIAL AGENCY LETTERHEAD

TO: Participating Vendor

SUBJECT: OFFICIAL TRAVEL OF GOVERNMENT CONTRACTOR

(FULL NAME OF TRAVELER), the bearer of this letter is an employee of (COMPANY NAME) which has a contract with this agency under Government contract (CONTRACT NUMBER). During the period of the contract (GIVE DATES), AND WITH THE APPROVAL OF THE CONTRACT VENDOR, the employee is eligible and authorized to use available travel discount rates in

accordance with Government contracts and/or agreements. Government Contract City Pair fares are not available to Contractors.

SIGNATURE, Title and telephone number of Contracting Officer

I.139 DEAR 970.5204-2 LAWS, REGULATIONS, AND DOE DIRECTIVES (DEC 2000)

(a) In performing work under this contract, the Contractor shall comply with the requirements of applicable federal, state, and local laws and regulations (including DOE regulations), unless relief has been granted in writing by the appropriate regulatory agency. A list of applicable laws and regulations (List A) may be appended to this contract for information purposes. Omission of any applicable law or regulation from List A does not affect the obligation of the Contractor to comply with such law or regulation pursuant to this paragraph.

(b) In performing work under this contract, the Contractor shall comply with the requirements of those Department of Energy directives, or parts thereof, identified in the list of applicable directives (List B) appended to this contract. Except as otherwise provided for in paragraph (c) of this clause, the Contracting Officer may, from time to time and at any time, revise List B by unilateral modification to the contract to add, modify, or delete specific requirements. Prior to revising List B, the Contracting Officer shall notify the Contractor in writing of the Department's intent to revise List B and provide the Contractor with the opportunity to assess the effect of the Contractor's compliance with the revised list on contract cost and funding, technical performance, and schedule; and identify any potential inconsistencies between the revised list and the other terms and conditions of the contract. Within 30 days after receipt of the Contracting Officer's notice, the contractor shall advise the contracting officer in writing of the potential impact of the contractor's compliance with the revised list. Based on the information provided by the contractor and any other information available, the Contracting Officer shall decide whether to revise List B and so advise the Contractor not later than 30 days prior to the effective date of the revision of List B. The Contractor and the Contracting Officer shall identify and, if appropriate, agree to any changes to other contract terms and conditions, including cost and schedule, associated with the revision of List B pursuant to the clause of this contract entitled, "Changes."

(c) Environmental, Safety, and Health (ES&H) requirements appropriate for work conducted under this contract may be determined by a DOE approved process to evaluate the work and the associated hazards and identify an appropriately tailored set of standards, practices, and controls, such as a tailoring process included in a DOE approved safety management system implemented under the clause entitled "Integration of Environmental, Safety, and Health into Work Planning and

Execution." When such a process is used, the set of tailored (ES&H) requirements, as approved by DOE pursuant to the process, shall be incorporated into List B as contract requirements with full force and effect. These requirements shall supersede, in whole or in part, the contractual environmental, safety, and health requirements previously made applicable to the contract by list b. If the tailored set of requirements identifies an alternative requirement varying from an ES&H requirement of an applicable law or regulation, the contractor shall request an exemption or other appropriate regulatory relief specified in the regulation.

(d) Except as otherwise directed by the Contracting Officer, the Contractor shall procure all necessary permits or licenses required for the performance of work under this contract.

(e) Regardless of the performer of the work, the Contractor is responsible for compliance with the requirements of this clause. The Contractor is responsible for flowing down the requirements of this clause to subcontracts at any tier to the extent necessary to ensure the Contractor's compliance with the requirements.

I.140 DEAR 970.5204-3 ACCESS TO AND OWNERSHIP OF RECORDS (OCT 2014)

(a) Government-owned records. Except as provided in paragraph (b) of this clause, all records acquired or generated by the contractor in its performance of this contract, including records series described within the contract as Privacy Act systems of records, shall be the property of the Government and shall be maintained in accordance with 36 CFR, Chapter XII, Subchapter B, ''Records Management.'' The contractor shall ensure records classified as Privacy Act system of records are maintained in accordance with FAR 52.224.2 ''Privacy Act.''

(b) Contractor-owned records. The following records are considered the property of the contractor and are not within the scope of paragraph (a) of this clause.

(1) Employment-related records (such as worker's compensation files; employee relations records, records on salary and employee benefits; drug testing records, labor negotiation records; records on ethics, employee concerns; records generated during the course of responding to allegations of research misconduct; records generated during other employee related investigations conducted under an expectation of confidentiality; employee assistance program records; and personnel and medical/health-related records and similar files), and nonemployee patient medical/health-related records, excluding records operated and maintained by the Contractor in Privacy Act system of records. Employee-related systems of record may include, but are not limited to: Employee Relations Records (DOE–3),

Personnel Records of Former Contractor Employees (DOE–5), Payroll and Leave Records (DOE–13), Report of Compensation (DOE–14), Personnel Medical Records (DOE–33), Employee Assistance Program (EAP) Records (DOE–34) and Personnel Radiation Exposure Records (DOE–35).

(2) Confidential contractor financial information, internal corporate governance records and correspondence between the contractor and other segments of the contractor located away from the DOE facility (i.e., the contractor's corporate headquarters);

(3) Records relating to any procurement action by the contractor, except for records that under 48 CFR 970.5232–3 are described as the property of the Government; and

(4) Legal records, including legal opinions, litigation files, and documents covered by the attorney-client and attorney work product privileges; and

(5) The following categories of records maintained pursuant to the technology transfer clause of this contract:

(i) Executed license agreements, including exhibits or appendices containing information on royalties, royalty rates, other financial information, or commercialization plans, and all related documents, notes and correspondence.

(ii) The contractor's protected Cooperative Research and Development Agreement (CRADA) information and appendices to a CRADA that contain licensing terms and conditions, or royalty or royalty rate information.

(iii) Patent, copyright, mask work, and trademark application files and related contractor invention disclosures, documents and correspondence, where the contractor has elected rights or has permission to assert rights and has not relinquished such rights or turned such rights over to the Government.

(c) Contract completion or termination. Upon contract completion or termination, the contractor shall ensure final disposition of all Government-owned records to a Federal Record Center, the National Archives and Records Administration, to a successor contractor, its designee, or other destinations, as directed by the Contracting Officer. Upon the request of the Government, the contractor shall provide either the original contractor-owned records or copies of the records identified in paragraph (b) of this clause, to DOE or its designees, including successor contractors. Upon

delivery, title to such records shall vest in DOE or its designees, and such records shall be protected in accordance with applicable federal laws (including the Privacy Act) as appropriate. If the contractor chooses to provide its original contractor-owned records to the Government or its designee, the contractor shall retain future rights to access and copy such records as needed.

(d) Inspection, copying, and audit of records. All records acquired or generated by the Contractor under this contract in the possession of the Contractor, including those described at paragraph (b) of this clause, shall be subject to inspection, copying, and audit by the Government or its designees at all reasonable times, and the Contractor shall afford the Government or its designees reasonable facilities for such inspection, copying, and audit; provided, however, that upon request by the Contracting Officer, the Contractor shall deliver such records to a location specified by the Contracting Officer for inspection, copying, and audit. The Government or its designees shall use such records in accordance with applicable federal laws (including the Privacy Act), as appropriate.

(e) Applicability. This clause applies to all records created, received and maintained by the contractor without regard to the date or origination of such records including all records acquired from a predecessor contractor.

(f) Records maintenance and retention. Contractor shall create, maintain, safeguard, and disposition records in accordance with 36 CFR Chapter XII, Subchapter B, ‘‘Records Management’’ and the National Archives and Records Administration (NARA)-approved Records Disposition Schedules. Records retention standards are applicable for all classes of records, whether or not the records are owned by the Government or the contractor. The Government may waive application of the NARA-approved Records Disposition Schedules, if, upon termination or completion of the contract, the Government exercises its right under paragraph (c) of this clause to obtain copies of records described in paragraph (b) and delivery of records described in paragraph (a) of this clause.

(g) Subcontracts. The contractor shall include the requirements of this clause in all subcontracts that contain the Integration of Environment, Safety and Health into Work Planning and Execution clause at 952.223–71 or, the Radiation Protection and Nuclear Criticality clause at 952.223–72.

I.141 DEAR 970.5223-1 INTEGRATION OF ENVIRONMENT, SAFETY, AND HEALTH INTO WORK PLANNING AND EXECUTION (DEC 2000)

(a) For the purposes of this clause,

(1) Safety encompasses environment, safety and health, including pollution prevention and waste minimization; and

(2) Employees include subcontractor employees.

(b) In performing work under this contract, the Contractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Contractor shall exercise a degree of care commensurate with the work and the associated hazards. The Contractor shall ensure that management of environment, safety and health (ES&H) functions and activities becomes an integral but visible part of the Contractor's work planning and execution processes. The Contractor shall, in the performance of work, ensure that:

(1) Line management is responsible for the protection of employees, the public, and the environment. Line management includes those Contractor and subcontractor employees managing or supervising employees performing work.

(2) Clear and unambiguous lines of authority and responsibility for ensuring ES&H are established and maintained at all organizational levels.

(3) Personnel possess the experience, knowledge, skills, and abilities that are necessary to discharge their responsibilities.

(4) Resources are effectively allocated to address ES&H, programmatic, and operational considerations. Protecting employees, the public, and the environment is a priority whenever activities are planned and performed.

(5) Before work is performed, the associated hazards are evaluated and an agreed-upon set of ES&H standards and requirements are established which, if properly implemented, provide adequate assurance that employees, the public, and the environment are protected from adverse consequences.

(6) Administrative and engineering controls to prevent and mitigate hazards are tailored to the work being performed and associated hazards. Emphasis should be on designing the work and/or controls to reduce or eliminate the hazards and to prevent accidents and unplanned releases and exposures.

(7) The conditions and requirements to be satisfied for operations to be initiated and conducted are established and agreed-upon by DOE and the Contractor. These

agreed-upon conditions and requirements are requirements of the contract and binding upon the Contractor. The extent of documentation and level of authority for agreement shall be tailored to the complexity and hazards associated with the work and shall be established in a Safety Management System.

(c) The Contractor shall manage and perform work in accordance with a documented Safety Management System (System) that fulfills all conditions in paragraph (b) of this clause at a minimum. Documentation of the System shall describe how the Contractor will—

(1) Define the scope of work;

(2) Identify and analyze hazards associated with the work;

(3) Develop and implement hazard controls;

(4) Perform work within controls; and

(5) Provide feedback on adequacy of controls and continue to improve safety management.

(d) The System shall describe how the Contractor will establish, document, and implement safety performance objectives, performance measures, and commitments in response to DOE program and budget execution guidance while maintaining the integrity of the System. The System shall also describe how the Contractor will measure system effectiveness.

(e) The Contractor shall submit to the Contracting Officer documentation of its System for review and approval. Dates for submittal, discussions, and revisions to the System will be established by the Contracting Officer. Guidance on the preparation, content, review, and approval of the System will be provided by the Contracting Officer. On an annual basis, the Contractor shall review and update, for DOE approval, its safety performance objectives, performance measures, and commitments consistent with and in response to DOE's program and budget execution guidance and direction. Resources shall be identified and allocated to meet the safety objectives and performance commitments as well as maintain the integrity of the entire System. Accordingly, the System shall be integrated with the Contractor's business processes for work planning, budgeting, authorization, execution, and change control.

(f) The Contractor shall comply with, and assist the Department of Energy in complying with, ES&H requirements of all applicable laws and regulations, and applicable

directives identified in the clause of this contract entitled "Laws, Regulations, and DOE Directives." The Contractor shall cooperate with Federal and non-Federal agencies having jurisdiction over ES&H matters under this contract.

(g) The Contractor shall promptly evaluate and resolve any noncompliance with applicable ES&H requirements and the System. If the Contractor fails to provide resolution or if, at any time, the Contractor's acts or failure to act causes substantial harm or an imminent danger to the environment or health and safety of employees or the public, the Contracting Officer may issue an order stopping work in whole or in part. Any stop work order issued by a contracting officer under this clause (or issued by the Contractor to a subcontractor in accordance with paragraph (i) of this clause) shall be without prejudice to any other legal or contractual rights of the Government. In the event that the Contracting Officer issues a stop work order, an order authorizing the resumption of the work may be issued at the discretion of the Contracting Officer. The Contractor shall not be entitled to an extension of time or additional fee or damages by reason of, or in connection with, any work stoppage ordered in accordance with this clause.

(h) Regardless of the performer of the work, the Contractor is responsible for compliance with the ES&H requirements applicable to this contract. The Contractor is responsible for flowing down the ES&H requirements applicable to this contract to subcontracts at any tier to the extent necessary to ensure the Contractor's compliance with the requirements.

(i) The Contractor shall include a clause substantially the same as this clause in subcontracts involving complex or hazardous work on site at a DOE-owned or -leased facility. Such subcontracts shall provide for the right to stop work under the conditions described in paragraph (g) of this clause. Depending on the complexity and hazards associated with the work, the Contractor may choose not to require the subcontractor to submit a Safety Management System for the Contractor's review and approval.

I.142 DEAR 970.5223-4 WORKPLACE SUBSTANCE ABUSE PROGRAMS AT DOE SITES (DEC 2010)

(a) Program Implementation. The Contractor shall, consistent with 10 CFR part 707, Workplace Substance Abuse Programs at DOE Sites, incorporated herein by reference with full force and effect, develop, implement, and maintain a workplace substance abuse program.

(b) Remedies. In addition to any other remedies available to the Government, the Contractor's failure to comply with the requirements of 10 CFR part 707 or to perform in a manner consistent with its approved program may render the Contractor subject to: the suspension of contract payments, or, where applicable, a reduction in award fee; termination for default; and suspension or debarment.

(c) Subcontracts.

(1) The Contractor agrees to notify the Contracting Officer reasonably in advance of, but not later than 30 days prior to, the award of any subcontract the Contractor believes may be subject to the requirements of 10 CFR part 707, unless the Contracting Officer agrees to a different date.

(2) The DOE Prime Contractor shall require all subcontracts subject to the provisions of 10 CFR part 707 to agree to develop and implement a workplace substance abuse program that complies with the requirements of 10 CFR part 707, Workplace Substance Abuse Programs at DOE Sites, as a condition for award of the subcontract. The DOE Prime Contractor shall review and approve each subcontractor's program, and shall periodically monitor each subcontractor's implementation of the program for effectiveness and compliance with 10 CFR part 707.

(3) The Contractor agrees to include, and require the inclusion of, the requirements of this clause in all subcontracts, at any tier, that are subject to the provisions of 10 CFR part 707.

The following Clauses apply to the Firm-Fixed-Price Scope of the Contract:

I.143 FAR 52.222-43 FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT LABOR STANDARDS - PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS) (MAY 2014)

I.144 FAR 52.227-1 AUTHORIZATION AND CONSENT (DEC 2007)

I.145 FAR 52.228-5 INSURANCE – WORK ON A GOVERNMENT INSTALLATION (JAN 1997)

I.146 FAR 52.229-3 FEDERAL, STATE, AND LOCAL TAXES (FEB 2013)

I.147 FAR 52.232-1 PAYMENTS (APR 1984)

I.148 FAR 52.232-8 DISCOUNTS FOR PROMPT PAYMENT (FEB 2002)

I.149 FAR 52.232-11 EXTRAS (APR 1984)

I.150 FAR 52.243-1 CHANGES – FIXED PRICE (AUG 1987) – ALT II (APR 1984)

I.151 FAR 52.249-2 TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (APR 2012)

I.152 FAR 52.249-8 DEFAULT (FIXED-PRICE SUPPLY AND SERVICE) (APR 1984)

The following Clauses apply to the Labor Hour Scope of the Contract:

I.153 FAR 52.232-7 PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS (AUG 2012)

I.154 FAR 52.243-3 CHANGES – TIME-AND-MATERIALS OR LABOR-HOURS (SEPT 2000)

I.155 FAR 52.249-6 TERMINATION (COST REIMBURSEMENT) (MAY 2004) – ALT IV (SEPT 1996)

The following Clauses apply to the Cost Reimbursement Scope of the Contract:

I.156 FAR 52.216-7 ALLOWABLE COST AND PAYMENT (JUN 2013)

Paragraph (a), the phrase is hereby added: "as supplemented by Subpart 931.2 of the Department of Energy Acquisition Regulations (DEAR)," after the acronym "(FAR)".

I.157 FAR 52.216-11 COST CONTRACT – NO FEE (APR 1984)

I.158 FAR 52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

I.159 FAR 52.228-7 INSURANCE – LIABILITY TO THIRD PERSONS (MAR 1996)

I.160 FAR 52.232-20 LIMITATION OF COST (APR 1984)

I.161 FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)

I.162 FAR 52.242-3 PENALTIES FOR UNALLOWABLE COSTS (MAY 2014)

I.163 FAR 52.242-4 CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)

I.164 FAR 52.243-2 CHANGES – COST REIMBURSEMENT (AUG 1987) – ALT I (AUG 1987)

I.165 FAR 52.249-6 TERMINATION (COST REIMBURSEMENT) (MAY 2004)

I.166 FAR 52.249-14 EXCUSABLE DELAYS (APR 1984)

The following Clauses apply to the IDIQ Scope of the Contract:

I.167 FAR 52.204-15 SERVICE CONTRACT REPORTING REQUIREMENTS FOR INDEFINITE-DELIVERY CONTRACTS (JAN 2014)

I.168 FAR 52.216-18 ORDERING (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from the date of contract award through the end of contract performance.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

I.169 FAR 52.216-19 ORDER LIMITATIONS (OCT 1995)

(a) *Minimum order.* When the Government requires supplies or services covered by this contract in an amount of less than $5,000, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) *Maximum order*. The Contractor is not obligated to honor --

(1) Any order for a single item in excess of $50,000,000;

(2) Any order for a combination of items in excess of $50,000,000; or

(3) A series of orders from the same ordering office within 365 days that together call for quantities exceeding the limitation in subparagraph (b)(1) or (2) of this section.

(c) If this is a requirements contract (*i.e.*, includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 5 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

I.170 FAR 52.216-22 INDEFINITE QUANTITY (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum." The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum."

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after one year beyond the expiration date of the contract period.

PART III – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J – LIST OF ATTACHMENTS

ATTACHMENT J-1	**PADUCAH LIST OF APPLICABLE LAWS AND REGULATIONS (LIST A)**
ATTACHMENT J-2	**PADUCAH LIST OF APPLICABLE DOE DIRECTIVES (LIST B)**
ATTACHMENT J-3	**PADUCAH INFRASTRUCTURE ACCOUNTABLE PROPERTY LIST**
ATTACHMENT J-4	**LIST OF DELIVERABLES**
ATTACHMENT J-5	**GOVERNMENT FURNISHED SERVICES AND INTERFACE REQUIREMENTS MATRIX**
ATTACHMENT J-6A	**PADUCAH WAGE DETERMINATION (SERVICE CONTRACT ACT WAGE DETERMINATION NO. 2005-2495)**
ATTACHMENT J-6B	**PADUCAH WAGE DETERMINATION (DAVIS-BACON ACT WAGE DETERMINATION NO. KY40)**
ATTACHMENT J-7	**PADUCAH COLLECTIVE BARGAINING AGREEMENT WAGE DETERMINATION NO. CBA-2009-2743**
ATTACHMENT J-8	**TECHNICAL DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS**
ATTACHMENT J-9	**PADUCAH SECURITY CLASSIFICATION SPECIFICATION (CSCS) FORM [NOTE: TO BE INSERTED HERE AFTER AWARD]**
ATTACHMENT J-10	**EXHIBIT LINE ITEM NUMBERS**
ATTACHMENT J-11	**QUALITY ASSURANCE SURVEILLANCE PLAN**
ATTACHMENT J-12	**LIST OF ACRONYMS**
ATTACHMENT J-13	**DOE OFFICE OF ENVIRONMENTAL MANAGEMENT FY14 ANNUAL PERFORMANCE AGREEMENT**
ATTACHMENT J-14	**EXECUTED PERFORMANCE GUARANTEE AGREEMENT – NOT APPLICABLE**

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-1: PADUCAH LIST OF APPLICABLE LAWS AND REGULATIONS (LIST A)

Pursuant to Section I clause 970.5204-2 Laws, Regulations and DOE Directives (Dec 2000), DOE may provide a list of laws and regulations (List A) applicable to work performed under this Contract. The Contractor shall comply with all applicable Federal and State Laws, Statutes, Codes, Rules, Regulations, Executive Orders and agreement documents applicable to work performed under this Contract. The federal laws and regulations listed in the table below contain requirements normally relevant to the Contractor scope of work. These laws and regulations, and others, apply regardless whether they are explicitly stated in the Contract. In addition, laws and regulations typically apply to all persons or organizations such as subcontractors, suppliers, and Federal employees.

This list does not have to be provided in the Contract, but it may be appended to the Contract for information purposes. Omission of any such applicable law or regulation from List A does not affect the obligation of the Contractor to comply with such law or regulation pursuant to DEAR clause 970.5204-2. The Contractor must be aware of changes in the Code of Federal Regulations (CFR), Federal Acquisition Regulations (FAR), the United States Code (USC), Public Laws (PL) or other regulatory entities that have applicability to the Department of Energy and that impact the work scope. The Contractor will notify DOE of any changes, and DOE will make a determination regarding modification to the Contract.

The following table does not contain any specific state laws, regulations, permits, and licenses, etc.

Consensus Standards
American Industrial Hygiene Association (AIHA) “Emergency Response Planning Guidelines (ERPGs)”
IEEE N323A-“Radiation Protection Instrumentation Test and Calibration - 05/01/97”
American Public Health Association, American Water Works Association, Water Environment Federal, “Standard Methods for Water and Wastewater” (Most Current)
B.O.C.A., Uniform Building Code or Local Fire and Building Codes
U.S. EPA Manual, SW 846, “Test Methods for Evaluating Solid Waste” (Most Current Version) November 1986
U.S. EPA Manual, “Contract Laboratory Program Statement of Work for Organic and Inorganic Analyses” (Most Current Version)

U.S. EPA Manual, 400-R-92-001, "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents," 1991

Document Number	Title
10 CFR 61	Licensing Requirements for Land Disposal of Radioactive Waste
10 CFR 76	AEA-Residual Site Hazards Management
10 CFR 110	Export and Import of Nuclear Equipment and Material
10 CFR 436	Federal Energy Management And Planning Programs
10 CFR 707	Workplace Substance Abuse Programs at DOE Sites
10 CFR 708	DOE Contractor Employee Protection Program
10 CFR 709	Counterintelligence Evaluation Program
10 CFR 710	Criteria And Procedures For Determining Eligibility For Access To Classified Matter or Special Nuclear Material
10 CFR 712	Human Reliability Program
10 CFR 719	Contractor Legal Management Requirements
10 CFR 810	Assistance to Foreign Atomic Energy Activities
10 CFR 820	Procedural Rules for DOE Nuclear Activities
10 CFR 824	Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations
10 CFR 830	Nuclear Safety Management
10 CFR 835	Occupational Radiation Protection, Amended 12/4/98, as described in DOE approved RPP
10 CFR 850	Chronic Beryllium Disease Prevention Program
10 CFR 850.39	Recordkeeping and Use of Information (for Beryllium-related records)
10 CFR 851	Worker Safety and Health Program
10 CFR 860	Trespassing on Department of Energy Property
10 CFR 1008	Records Maintained on Individuals (PRIVACY ACT)
10 CFR 1016	Safeguarding of Restricted Data
10 CFR 1017	Identification and Protection of Unclassified Controlled Nuclear Information
10 CFR 1021	DOE National Environmental Policy Act implementing Procedures

Document Number	Title
10 CFR 1022	Compliance with Floodplain/Wetlands Environmental Review Requirements
10 CFR 1044	Security Requirements for Protected Disclosure Under Section 3164 of the National Defense Authorization Act for Fiscal Year 2000
10 CFR 1045	Nuclear Classification and Declassification
10 CFR 1046	Physical Protection of Security Interests; Protective Force Personnel
10 CFR 1046.13	Physical Protection of Security Interests; Medical Certification
10 CFR 1046, Appendix A	Physical Protection of Security Interests; Medical and Physical Fitness Qualifications and Standards, paragraphs A, B1, B5, B6, B7, B8, B10, C, H, I, J.
15 CFR 280	Fastener Quality
15 CFR 730-774	Export Administration Regulations (EAR)
20 CFR 617.66	Transition Procedures for Amendments in Sections 13002 through 13009 of Public Law 99-272 [the Consolidated Omnibus Budget Reconciliation Act (COBRA) of 1985]
20 CFR 639	Worker Readjustment and Retraining Notification
22 CFR 120-130	Foreign Relations, Department of State
23 CFR 650, Subpart C	National Bridge Inspection Standards
29 CFR 4	Labor Standards for Federal Service Contracts
29 CFR 30	Equal Employment Opportunity in Apprenticeship and Training
29 CFR 516	Records to be Kept by Employers
29 CFR 519	Employment of Full-Time Students at Subminimum Wages
29 CFR 520	Employment of Student-Learners
29 CFR 525	Employment of Workers with Disabilities Under Special Certificates
29 CFR 528	Annulment or Withdrawal of Certificates for the Employment of Student-Learners, Apprentices, Learners, Messengers, Handicapped Persons, Student-Workers, and Full-Time Students in Agricultural or in Retail Service Establishments at Special Minimum Wage Rate
29 CFR 531	Wage payments Under the Fair Labor Standards Act of 1938
29 CFR 541	Fair Labor Standards Act
29 CFR 548	Authorization of Established Basic Rates for Computing Overtime Pay
29 CFR 825	Family Medical Leave Act of 1993

Document Number	Title
29 CFR 1602	Recordkeeping and Reporting Requirements under Title VII and the ADA
29 CFR 1608	Affirmative Action Appropriation Under Title VII of the Civil Rights Act of 1964, as amended
29 CFR 1611	Privacy Act Regulations
29 CFR 1620	Equal Pay Act
29 CFR 1625	Age Discrimination in Employment Act
29 CFR 1627	Records to be Made or kept Relating to Age: Notices to be Posted: Administrative Exemptions
29 CFR 1904	Recording and Reporting Occupational Injuries and Illnesses
29 CFR 2520	Reporting and Disclosure Under Employee Retirement Income Security Act of 1974
29 CFR 4041A	Termination of Multiemployer Plans
32 CFR 2001	Classified National Security Information
33 CFR 323	Army Corps of Engineers Permit Regulations for Dredged Materials
33 CFR 325	Processing of Department of Army Permits
33 CFR 330	Authorization by Nationwide Permit
33 CFR 330 Appendix A	Nationwide Permits and Conditions
34 CFR 395	Vending Facility Program for the Blind on Federal and Other Property
36 CFR Chapter 12, Sub Chapter B	Records Management
36 CFR 60	National Register of Historic Places
36 CFR 800	Protection of Historic and Cultural Properties
40 CFR 61	National Emission Standards for Hazardous Air Pollutants
40 CFR 82	Protection of Stratospheric Ozone
40 CFR 100-149	Safe Drinking Water Act
40 CFR 110	Discharge of Oil
40 CFR 112	Oil Pollution Prevention
40 CFR 116	Designation of Hazardous Substances
40 CFR 117	Determination of Reportable Quantities for Hazardous Substances
40 CFR 136	Guidelines Establishing Test Procedures for the Analysis of Pollutants
40 CFR 171	Standards for Certification of Commercial Applicators

Document Number	Title
40 CFR 247	Comprehensive Procurement Guideline for Products Containing Recovered Materials
40 CFR 257	Guidelines for Classification of Solid Waste Disposal Facilities and Practices
40 CFR 260-282	Resource Conservation and Recovery Act (RCRA)
40 CFR 300	National Oil and Hazardous Substances Pollution Contingency Plan (CERCLA—National Contingency Plan)
40 CFR 302	Designation, Reportable Quantities, and Notification
40 CFR 350-372	SARA Title III
40 CFR 355	Emergency Planning and Community Right to Know Act (EPCRA)
40 CFR 374	Prior Notice of Citizen Suits
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, except for: ‘761.1; .3; .65(d)-(h); .70; .75; .80; .120; .123; .185; .187; .193
40 CFR 1500-1508	Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act
41 CFR 60-1	Obligations of Contractors and Sub Contractors
41 CFR 60-2	Affirmative Action Programs
41 CFR 60-3	Uniform Guidelines on Employee Selection Procedures
41 CFR 60-4	Construction Contractors – Affirmative Action Requirements
41 CFR 60-20	Sex Discrimination guidelines
41 CFR 60-30	Rules of Practice for Administrative Proceedings to Enforce Equal Opportunity Under Executive Order 11246
41 CFR 60-50	Guidelines on Discrimination Because of Religion or National Origin
41 CFR 60-250	Affirmative Action Obligations of Contractors and Subcontractors for Disabled Veterans and Veterans of the Vietnam Era
41 CFR 60-741	Affirmative Action and Nondiscrimination Obligations of Contractors and Subcontractors Regarding Individuals with Disabilities
41 CFR 101	Public Contracts and Property Management
41 CFR 101-20.103	Physical Protection and Building Security
41 CFR 102	Federal management Regulation
41 CFR 109	Department of Energy Property Management Regulations
43 CFR 7	Protection of Archeological Resources
43 CFR 10	Cultural Resource Management

Document Number	Title
48 CFR 9	Contractor Qualifications
48 CFR 22.1	Basic Labor Policies
48 CFR 23	Environment, Energy and Water Efficiency, Renewable Energy Technologies, Occupational Safety, and Drug Free Workplace
48 CFR 31	Contract Cost Principles and Procedures
48 CFR 45	Government Property
48 CFR Part 970.5203-2	Performance Improvement and Collaboration
48 CFR Part 970.5223-1	Integration of Environmental, Safety, and Health into the Work Planning and Execution
49 CFR 171	General Information, Regulations, and Definitions
49 CFR 172	Hazardous Material Table, Specials Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements
49 CFR 173	Shippers-General Requirements for Shipments and Packaging's
49 CFR 174	Carriage by Rail
49 CFR 177	Carriage by Public Highway
49 CFR 178	Specifications for Packaging's
49 CFR 211	Chapter II Federal Railroad Administration, Department of Transportation; part 350-399 Federal Motor Carrier Safety Regulations
49 CFR 213	Track Safety Standards
49 CFR 237	Bridge Safety Standards
49 CFR 350-399	Chapter III Federal Highway Administration, Department of Transportation; part 350-399 Federal Motor Carrier Safety Regulations
50 CFR 17	Natural Resource Management
50 CFR 402	Interagency Cooperation Endangered Species Act of 1973, as amended
5 USC 552 et seq.	Freedom of Information Act (FOIA)
5 USC Appendix 2	Freedom Advisory Committee Act (FACA)
15 USC 2601	Toxic Substances Control Act (TSCA)
16 USC 469	Archeological and Historic Preservation Act (AHPA)
16 USC 470 et seq.	National Historic Preservation Act (NHPA)
16 USC 470aa–470mm	Archaeological Resources Protection Act (ARPA) of 1979

Document Number	Title
16 USC 661	Fish and Wildlife Coordination Act
16 USC 703	Migratory Bird Treaty Act
16 USC 1531	Endangered Species Act (ESA)
16 USC 2901	Fish and Wildlife Conservation Act
18 USC 930	Possession of firearms and dangerous weapons in Federal facilities
18 USC 1170 and 25 USC 3001	Native American Graves Protection and Repatriation Act (NAGPRA) of 1990
18 USC 2071	Concealment, removal, or mutilation generally
18 USC 3571	Sentence of Fine
20 USC 107	Operation of vending facilities (aka: Randolph-Sheppard Vending Stand Act, as amended)
29 USC 401 et seq.	Labor-Management Reporting and Disclosure Act of 1959
33 USC 1251	Clean Water Act (CWA)
40 USC 20	Federal Motor Vehicle Expenditure Control
40 USC 483	Federal Property Administrative Services Act
41 USC 422	Cost Accounting Standard Board
42 USC 300f	Safe Drinking Water Act (SDWA)
42 USC 2021 et seq.	Low-Level Radioactive Waste Policy Act, as amended
42 USC 2168 et seq.	Prohibition Against Dissemination of Certain Unclassified Information
42 USC 2278(a)	Trespass on Commission Installations
42 USC 2286	Defense Nuclear Facilities Safety Board
42 USC 2297h-8	Employee Protections
42 USC 4321	National Environmental Policy Act (NEPA)
42 USC 6901	Resource Conservation & Recover Act (RCRA)
42 USC 7401	Clean Air Act (CAA)
42 USC 7256	National Defense Authorization Act
42 USC 7512	Classification and Attainment Dates
42 USC 7256	Contracts, leases, etc., with public agencies and private organizations and persons
42 USC 9601	Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
42 USC 9605	CERCLA Amendment

Document Number	Title
42 USC 9620	CERCLA Federal Facility Agreement (FFA)
42 USC 11001-11050	CERCLA Emergency Planning and Community Right to Know Act (EPCRA)
42 USC 11411	Title V, of the Steward B. McKinney Homeless Assistance Act, as amended
42 USC 13101-13109	Pollution Prevention Act (PPA)
42 USC 2011-2259 et seq.	The Atomic Energy Act (AEA) of 1954, As Amended
44 USC Chapter 21	National Archives and Records Administration
44 USC Chapter 29	Records Management by the Archivist of the United States and by the Administrator of General Studies
44 USC Chapter 31	Records Management by Federal Agencies
44 USC Chapter 33	Disposal of Records
44 USC Chapter 35	Coordination of Federal Information Policy
44 USC Chapter 36	Management and Promotion of Electronic Government Services
AASHTO MCEB-2	Manual for Condition Evaluation of Bridges, 2nd Edition with 2011, 2013, and 2014 Interim Revisions
	Manual for Railway Engineering, American Railway Engineering and Maintenance-of-Way Association
Executive Order 13221	Energy Efficient Standby Power Devices
Executive Order 13423	Strengthening Federal Environmental, Energy, and Transportation Management
Executive Order 13514	Federal Leadership in Environmental, Energy and Economic Performance
Executive Order 13526	Classified National Security Information
Executive Order 13556	Controlled Unclassified Information
Executive Order 13653	Preparing the United States for the impacts of Climate Change
Homeland Security Presidential Directive (HSPD)-12	Policy for a Common Identification Standard for Federal Employees and Contractors
DoD 5520.22 -R	Industrial Security Regulation

Document Number	Title
DoD 5220.22-M	National Industrial Security Program
ISOO Notice 2011-02	Further Guidance and Clarification on Coming Atomic Energy Information and Classified National Security Information (Implements Executive Order 13526)
Kentucky State Standard	KY Standard Specifications for Road and Bridge Construction
Kentucky Revised Statutes	Kentucky Revised Statutes for Wildlife and Fisheries
803 KAR 2:216 through 803 KAR 2:425	Kentucky Occupational Safety and Health Standards for General Industry and Construction Kentucky Labor Cabinet Department of Workplace Standards Occupational Safety and Health Program Frankfort, Kentucky January
M-11-11	Executive Office of the President, Office of Management and Budget, Memorandum for the Heads of Executive Departments and Agencies (Continued Implementation of Homeland Security Presidential Directive (HSPD) 12 – Policy for a Common Identification Standard for Federal Employees and Contractors
M-12-18	Managing Government Records Directives, Dated August 24, 2012
National Security Decision Directive (NSDD) 298	National Operations Security Program
Public Law 97-255	Federal Managers Financial Integrity Act of 1982
Public Law 99-255	Consolidated Omnibus Reconciliation Act of 1985
Public Law 100-679	Office of Federal Procurement Policy Act Amendments of 1988
Public Law 102-368	Federal Facility Compliance Act of 1992
Public Law 102-484	National Defense Authorization Act of 1993
Public Law 102-486	Energy Policy Act of 1992
Public Law 106-65, Section 3149	Supplement to Plan for Declassification of Restricted Data and Formerly Restricted Data
Public Law 106-398, Section 3193	Frequency of Reports of Inadvertent Releases of Restricted Data and Formerly Restricted Data
Public Law 107-347	The E-Government Act of 2002
TSCA-UE-FFCA, Feb 1992	Uranium Enrichment Toxic Substances Control Act Federal Facilities Compliance Agreement
DOE/OR/07-1707	Federal Facility Agreement

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-2: PADUCAH LIST OF APPLICABLE DOE DIRECTIVES (LIST B)

Pursuant to Section I clause DEAR 970.5204-2, Laws, Regulations and DOE Directives (Dec 2000), this attachment contains the list of DOE Directives (List B), applicable to work performed under this Contract.

DOE Directives	Subject
EM-QA-001	Environmental Management Quality Assurance Program
Classification Bulletin GEN-16 Revision	"No Comment" Policy on Classified Information in the Public Domain
DOE EM	Office of Environmental Management Operations Activity Protocol, Revision 0, 2/28/2012
DOE O 130.1	Budget Formulation Process
DOE P 140.1	Natural Resource Damage Assessment Corporation and Integration
DOE M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board
DOE P 141.1	Department of Energy Management of Cultural Resources
DOE O 142.2A	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
DOE O 142.3A	Unclassified Foreign Visits and Assignment Program
DOE O 150.1A	Continuity Program
DOE O 151.1C	Comprehensive Emergency Management System
DOE O 153.1	Departmental Radiological Emergency Response Assets
DOE O 200.1A	Information Technology Management
DOE O 203.1	Limited Personal Use of Government Office Equipment Including Information Technology
DOE O 203.2	Mobile Technology Management
DOE P 205.1	Department of Energy Cyber Security Policy
DOE O 205.1B	Department of Energy Cyber Security Program
DOE M 205.1-3	Telecommunications Security Manual
DOE O 206.1	Department of Energy Privacy Program
DOE O 206.2	Identity, Credential, and Access Management (ICAM)
DOE O 210.2A	DOE Corporate Operating Experience Program
DOE O 221.1A	Reporting Fraud, Waste, and Abuse to the Office of the Inspector General
DOE O 221.2A	Cooperation with the Office of Inspector General

DOE Directives	Subject
DOE O 225.1B	Accident Investigations
DOE P 226.1B	Department of Energy Oversight Policy
DOE O 226.1B	Implementation of DOE Oversight Policy
DOE O 227.1	Independent Oversight Program
DOEO 231.1B	Environment, Safety, and Health Reporting
DOE O 232.2	Occurrence Reporting and Processing of Operations Information
DOE O 241.1B	Scientific and Technical Information Management
DOE O 243.1B	Records Management Program
DOE O 252.1A	Technical Standards Program
DOE O 311.1B	Equal Employment Opportunity and Diversity Program,
DOE O 341.1A	Federal Employee Health Services
DOE O 350.1	Contractor Human Resource Management Programs (Chapters 1, 2, 8 & 9)
DOE P 364.1	Health and Safety Training Reciprocity
DOE O 410.2	Management of Nuclear Materials
DOE O 412.1A	Work Authorization System
DOE O 413.1B	Internal Control Program
DOE O 413.3B	Program and Project Management for the Acquisition of Capital Assets
DOE G 413.3-7A	Risk Management Guide
DOE O 414.1D	Quality Assurance
DOE O 420.1C	Facility Safety
DOE O 422.1	Conduct of Operations
DOE O 426.2	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
DOE O 430.1B	Real Property and Asset Management
DOE O 433.1B	Maintenance Management Program for DOE Nuclear Facilities
DOE O 435.1	Radioactive Waste Management
DOE O 436.1	Departmental Sustainability
DOE G 441.1-1C	Radiation Protection Program Guide for Use with Title 10, Code of Federal Regulations, Part 835, Occupational Radiation Protection
DOE O 442.1A	Department of Energy Employee Concerns Program
DOE O 442.2	Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health
DOE O 450.2	Integrated Safety Management
DOE P 450.4A	Integrated Safety Management Policy
DOE G 450.4-1C	Integrated Safety Management Guide

DOE Directives	Subject
DOE O 451.1B	National Environmental Policy Act Compliance Program
DOE O 452.4B	Security and Use Control of Nuclear Explosives and Nuclear Weapons
DOE O 452.8	Control of Nuclear Weapon Data
DOE P 454.1	Use of Institutional Controls
DOE O 457.1A	Nuclear Counterterrorism
DOE O 458.1	Radiation Protection of the Public and the Environment
DOE O 460.1C	Packaging and Transportation Safety
DOE O 460.2A	Departmental Materials Transportation and Packaging Management
DOE O 461.1B	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest
DOE O 461.2	Onsite Packaging and Transfer of Materials of National Security Interest
DOE P 470.1A	Safeguards and Security Program
DOE O 470.3B	Graded Security Protection (GSP) Policy
DOE O 470.4B	Safeguards and Security Program
DOE O 470.5	Insider Threat Program
DOE O 471.1B	Identification and Protection of Unclassified Controlled Nuclear information
DOE O 471.3	Identifying and Protecting Official Use only Information
DOE M 471.3-1	Manual for Identifying and Protecting Official Use only Information
DOE O 471.5	Special Access Programs
DOE O 471.6	Information Security
DOE O 472.2	Personnel Security
DOE O 473.3	Protection Program Operations
DOE O 474.2	Nuclear Material Control and Accountability
DOE O 475.1	Counterintelligence Program
DOE O 475.2A	Identifying Classified Information
DOE O 481.1C	Work for Others (Non-Department of Energy Funded Work)
DOE O 483.1	DOE Cooperative Research and Development Agreements
DOE O 484.1	Reimbursable Work for the Department of Homeland security
DOE O 522.1	Pricing of Departmental Materials and Services
DOE O 523.1	Financial Management Oversight

DOE Directives	Subject
DOE O 534.1B	Accounting
DOE O 551.1D	Official Foreign Travel
DOE O 552.1A	Travel Policy and Procedures
DOE O 580.1A	Department of Energy Personal Property Management Program
DOE O 3731.1	Suitability, Position Sensitivity Designations, and Related Personnel Matters
DOE O 5639.8A	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities
DOE O 5670.1A	Management and Control of Foreign Intelligence
DOE-STD-1073-2003	Configuration Management
DOE-STD-1090-2011	Hoisting And Rigging

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-3: PADUCAH INFRASTRUCTURE ACCOUNTABLE PROPERTY LIST

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
1	E303611	FIRE TRUCK	C-755	12928	1993 CYCLONE TC 1500	E ONE	11/29/1993	$219,414.34
2	E303610	AMBULANCE	C-755	1FV3GFBC3YHF46878	2000 FL60	FREIGHTLINER	12/1/1998	154,962.00
3	CA02302	TRACTOR/MOWER (Mo-Trim)	C-755	SAE 2194	MXU110	CASE	12/29/2005	76,500.00
4	CA03561	NETWORK SWITCH	KEVIL-KY	SMC141800LG	6509-E	CISCO	6/28/2013	75,000.00
5	CA03353	BACKHOE LOADER	C-755	OKMW02496	420E	CATERPILLAR	4/12/2010	74,412.00
6	CA03996	DRIVE ENCLOSURE	KEVIL-KY	LB5957320003101	NAJ-0801	Net App	6/24/2013	55,000.00
7	CA02847	GRADER	C-755	DW770CX576602	770C	JOHN DEERE	7/10/2007	51,792.00
8	E112427	BUS (DOE)	C-103	1FDKE30M5NH8530	E-350	FORD	11/1/1992	40,855.00
9	CA03994	TAPE BACKUP SYSTEM	KEVIL-KY	559000203747	SL 500	SUN SYSTEMS	6/24/2013	30,000.00
10	E201626	2000 DUMP TRUCK	C-755	1HTSDAAM8YH2209	NAVISTAR		12/7/2005	30,000.00
11	CA02301	VEHICLE LIFT	C-755-A	JBL06A0003	SM300-200	ROTARY	12/21/2005	29,133.40
12	CA02267	Tractor 4x4 (T03)	C-755	IVECO 804505R93	JX 75	CASE	11/21/2005	28,700.00
13	CA02289	TRACTOR (T01)	C-755-A	IVECO804505R939	JX75	CASE	10/18/2005	28,700.00
14	CA02290	TRACTOR (T02)	C-755	IVECO804505R939	JX75	CASE	10/18/2005	28,700.00
15	E201627	WATER TRUCK	C-755	IFV6HFBA8YHG521	FL70	FREIGHTLINER	8/29/2006	24,945.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
16	CA02266	Tractor (T04)	C-755	IVEC00804505R93	JX 75	CASE	11/21/2005	24,600.00
17	CA02268	Tractor (T05)	C-755	IVECO 804505R93	JX 75	CASE	11/21/2005	24,600.00
18	0ESS131	ESCAPE 2009	C-743-T11	1FMCU49329KD03753	HYBRID	FORD	8/6/2009	24,515.00
19	0ESS132	ESCAPE 2009	C-743-T11	1FMCU493X9KD03743	HYBRID	FORD	8/6/2009	24,515.00
20	0ESS133	ESCAPE 2009	KEVIL-KY	1FMCU49359KD03746	HYBRID	FORD	8/6/2009	24,515.00
21	0ESS134	ESCAPE 2009	KEVIL-KY	1FMCU49339KD03647	HYBRID	FORD	8/6/2009	24,515.00
22	0ESS135	ESCAPE 2009	KEVIL-KY	1FMCU49359KD02306	HYBRID	FORD	8/6/2009	24,515.00
23	0ESS136	ESCAPE 2009	KEVIL-KY	1FMCU49339KD02305	HYBRID	FORD	8/6/2009	24,515.00
24	CA01303	FARM TRACTOR	C-755	LV5300E632972	5300	JOHN DEERE	9/20/1997	23,500.00
25	CA02859	TRACTOR - Kubota Mower (KM-1)	C-755-T21	11523	F3680	KUBOTA	9/19/2007	18,685.00
26	CA02860	TRACTOR Kubota (KM-2)	C-755	11561	F3680	KUBOTA	9/19/2007	18,685.00
27	E110859	1995 DODGE VAN	KEVIL-KY	2B5WB35Y2SK5626	3500 VAN WAGON	DODGE	3/1/1995	18,595.00
28	E110936	TRUCK, VAN (Less than 8,500 GVW)	C-755-T20	1GNDM19W8TB1245	ASTRO VAN	CHEVROLET	1/11/1996	18,501.00
29	CA03199	MOWER Kubota (KM-3)	C-755	12934	F3680	KUBOTA	6/10/2009	17,281.00
30	CA01302	TRACTOR MOWER	C-755	LV0955E203414	955	JOHN DEERE	9/20/1997	17,000.00
31	E110923	TRUCK, PICK-UP	C-755	1GTFC24H6SZ5477	2500SL	GMC	9/1/1995	15,587.00
32	0ESS138	TRUCK	C-755-T20	1FTNF1CV0AKA17114	F-150	FORD	9/10/2009	15,030.82
33	CA03397	UTILITY VEHICLE	C-755-A	52CR0C8LAD094542	RANGER EV LSV	POLARIS	1/10/2011	13,796.00
34	CA03821	CREDENTIALING KIT (SYSTEM)	C-755-T18	1460584B12		CROSSMATCH	6/22/2012	13,013.53

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
35	CA03367	SERVER	KEVIL-KY	2OX01907SY	DL 380 G7	HP	7/16/2010	13,000.00
36	CA03930	SERVER	KEVIL-KY	5QCQJH1	R900	DELL	4/2/2013	12,500.00
37	CA03931	SERVER	KEVIL-KY	7QCQJH1	R900	DELL	4/2/2013	12,500.00
38	CA03328	TAPE DRIVE	KEVIL-KY	MXA001100P	AJ038A	HP	3/5/2010	12,000.00
39	CA01437	RECYCLE TRAILER	C-755	1P9RG2119TA2772	PRT 1-16-4	PROTAINER	2/1/1997	10,000.00
40	CA03840	FILTER	KEVIL-KY	FTX1619M023	C170	CISCO	8/17/2012	10,000.00
41	CA03841	FILTER	KEVIL-KY	FTX1619M02L	C170	CISCO	8/17/2012	10,000.00
42	CA02922	SERVER	KEVIL-KY	USE739NAJR	DL 380 G5	HP	12/7/2007	9,000.00
43	CA03937	BLADE ENCLOSURE	KEVIL-KY	USE04338TS	C7000	HP	6/24/2013	9,000.00
44	CA03938	BLADE ENCLOSURE	KEVIL STORAG	USE04338TP	C7000	HP	6/24/2013	9,000.00
45	CA03939	BLADE ENCLOSURE	KEVIL-KY	USE0433B2P	C7000	HP	6/24/2013	9,000.00
46	CA03940	BLADE ENCLOSURE	KEVIL-KY	USE04338NV	C7000	HP	6/24/2013	9,000.00
47	CA03331	SAN UNIT 1	KEVIL-KY	256941B789	MSA 2000	HP	3/8/2010	8,302.00
48	CA03807	SERVER	KEVIL-KY	2919059389	R610 POWEREDGE	DELL	4/16/2012	8,277.00
49	CA03808	SERVER	KEVIL-KY	2919012733	R610 POWEREDGE	DELL	4/16/2012	8,277.00
50	CA04073	SCANNER	C-755-T22A	AAFDA00752	fi-6770	FUJITSU	6/3/2014	7,995.00
51	CA02916	SERVER	KEVIL-KY	2UX74301Y8	DL 380 G5	HP	12/7/2007	7,000.00
52	CA02907	SERVER	KEVIL-KY	2UX7430621	DL380G5	HP	11/18/2007	6,600.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
53	CA03796	SERVER	KEVIL-KY	FIFXPCI	POWEREDGE 1950	DELL	3/30/2012	6,498.22
54	CA03801	SERVER	KEVIL-KY	JF952C1	POWEREDGE 1950	DELL	3/29/2012	6,498.20
55	Reserved							
56	CA03803	SERVER	KEVIL-KY	3Z87HF1	POWEREDGE 1950	DELL	3/29/2012	6,498.20
57	CA03804	SERVER	KEVIL-KY	B4MDLF1	POWEREDGE 1950	DELL	3/29/2012	6,498.20
58	CA03211	NETWORK STORAGE	KEVIL-KY	SGI918000H	MSA 50	HP	7/8/2009	6,000.00
59	CA03941	SERVER	KEVIL-KY	USE042N8Z3	DL380G6	HP	6/24/2013	6,000.00
60	CA03942	SERVER	KEVIL-KY	USE042N8XJ	DL380G6	HP	6/24/2013	6,000.00
61	Reserved							
62	Reserved							
63	CA03945	SERVER	KEVIL-KY	USE042ND63	DL380G6	HP	6/24/2013	6,000.00
64	CA03946	SERVER	KEVIL-KY	USE042N8LL	DL380G6	HP	6/24/2013	6,000.00
65	CA03947	SERVER	KEVIL-KY	USE042N90P	DL380G6	HP	6/24/2013	6,000.00
66	CA03948	SRVER	KEVIL-KY	USE042N902	DL380G6	HP	6/24/2013	6,000.00
67	CA03949	SERVER	KEVIL-KY	USE042N8Z4	DL380G6	HP	6/24/2013	6,000.00
68	CA03950	SERVER	KEVIL-KY	USE042NA1G	DL380G6	HP	6/24/2013	6,000.00
69	Reserved							
70	CA03998	SERVER	KEVIL-KY	USE042N90N	DL380	HP	6/24/2013	6,000.00
71	CA02908	SERVER	KEVIL-KY	MXQ73904KJ	DL360G5	HP	11/18/2007	5,900.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
72	CA02745	SCANNER	C-755	011314	fi-5750c	FUJITSU	9/8/2006	5,780.00
73	CA02877	SERVER	KEVIL-KY	2UX734020E	DL 380	HP	9/26/2007	5,670.00
74	CA02889	SWITCH	KEVIL-KY	FOC1132Y4G2	CATALYST 3750	CISCO	9/26/2007	5,460.00
75	CA06024	STORAGE WORKS 1/8 AUTO LOADER	761 VETERANS AVE	MXA060708K	ULTRIUM LT03	HP	12/10/2007	5,000.00
76	CA02868	SERVER	KEVIL-KY	2UX73003JE	DL 380	HP	9/26/2007	4,975.00
77	CA03792	FIRE WALL	KEVIL-KY	JMX1532L0FX	ASA 5520	CISCO	10/4/2011	4,512.00
78	CA03793	FIRE WALL	KEVIL-KY	JMX1532L0FT	ASA 5520	CISCO	11/4/2011	4,512.00
79	Reserved							
80	CA03424	PRINTER (NETWORK)	C-755-T18	JPRL85H093	LASERJET 9050DN	HP	5/2/2011	4,252.00
81	CA03783	PRINTER - NETWORK	KEVIL-KY	JPRC93B0GC	LASERJET 9050 DN	HP	5/2/2011	4,252.00
82	CA03951	SERVER	KEVIL-KY	USE04338V7	460G6	HP	6/24/2013	4,000.00
83	CA03952	SERVER	KEVIL-KY	USE04338VN	460G6	HP	6/24/2013	4,000.00
84	CA03953	SERVER	KEVIL-KY	USE43382X	460G6	HP	6/24/2013	4,000.00
85	CA03954	SERVER	KEVIL-KY	USE04338VM	460G6	HP	6/24/2013	4,000.00
86	CA03955	SERVER	KEVIL-KY	USE043382V	460G6	HP	6/24/2013	4,000.00
87	CA03956	SERVER	KEVIL-KY	USE043382T	460G6	HP	6/24/2013	4,000.00
88	CA03957	SERVER	KEVIL-KY	USE04338VJ	460G6	HP	6/24/2013	4,000.00
89	CA03958	SERVER	KEVIL-KY	USE04338TW	460G6	HP	6/24/2013	4,000.00
90	CA03959	SERVER	KEVIL-KY	USE04338NX	460G6	HP	6/24/2013	4,000.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
91	CA03960	SERVER	KEVIL-KY	USE04338VC	460 G6	HP	6/24/2013	4,000.00
92	CA03961	SERVER	KEVIL-KY	USE0433834	460G6	HP	6/24/2013	4,000.00
93	CA03962	SERVER	KEVIL-KY	USE0433836	460G6	HP	6/24/2013	4,000.00
94	CA03963	SERVER	KEVIL-KY	USE043382W	460G6	HP	6/24/2013	4,000.00
95	CA03964	SERVER	KEVIL-KY	USE043382C	460G6	HP	6/24/2013	4,000.00
96	CA03965	SERVER	KEVIL-KY	USE0433837	460G6	HP	6/24/2013	4,000.00
97	CA03966	SERVER	KEVIL-KY	USE0433835	460G6	HP	6/24/2013	4,000.00
98	CA03967	SERVER	KEVIL-KY	USE04338V2	460G6	HP	6/24/2013	4,000.00
99	CA03968	SERVER	KEVIL-KY	USE0433831	460G6	HP	6/24/2013	4,000.00
100	CA03969	SERVER	KEVIL-KY	USE04338VD	460G6	HP	6/24/2013	4,000.00
101	CA03970	SERVER	KEVIL-KY	USE043382Y	460G6	HP	6/24/2013	4,000.00
102	CA03971	SERVER	KEVIL-KY	USE043383O	460G6	HP	6/24/2013	4,000.00
103	CA03972	SERVER	KEVIL-KY	USE04338TR	460G6	HP	6/24/2013	4,000.00
104	CA03973	SERVER	KEVIL-KY	USE043382R	460G6	HP	6/24/2013	4,000.00
105	CA03974	SERVER	KEVIL-KY	USE04338VH	460G6	HP	6/24/2013	4,000.00
106	CA03975	SERVER	KEVIL-KY	USE04338VF	460G6	HP	6/24/2013	4,000.00
107	CA03976	SERVER	KEVIL-KY	USE0433833	460G6	HP	6/24/2013	4,000.00
108	CA03977	SERVER	KEVIL-KY	USE04338V5	460G6	HP	6/24/2013	4,000.00
109	CA03978	SERVER	KEVIL-KY	USE0433832	460G6	HP	6/24/2013	4,000.00
110	CA03979	SERVER	KEVIL-KY	USE04338TY	460G6	HP	6/24/2013	4,000.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
111	CA03980	SERVER	KEVIL-KY	USE04338V4	460G6	HP	6/24/2013	4,000.00
112	CA03981	SERVER	KEVIL-KY	USE04338VA	460G6	HP	6/24/2013	4,000.00
113	CA03982	SERVER	KEVIL STORAG	460G6	USE04338NT	HP	6/24/2013	4,000.00
114	CA03983	SERVER	KEVIL-KY	USE04338NW	460G6	HP	6/24/2013	4,000.00
115	CA03984	SERVER	KEVIL-KY	USEO4338V6	460G6	HP	6/24/2013	4,000.00
116	CA03985	SERVER	KEVIL-KY	USE0433838	460G6	HP	6/24/2013	4,000.00
117	CA03986	SERVER	KEVIL-KY	USE04338V9	460G6	HP	6/24/2013	4,000.00
118	CA03987	SERVER	KEVIL-KY	USE04338V8	460G6	HP	6/24/2013	4,000.00
119	CA03988	SERVER	KEVIL-KY	USE04338VL	460G6	HP	6/24/2013	4,000.00
120	CA03989	SERVER	KEVIL-KY	USE04338TV	460G6	HP	6/24/2013	4,000.00
121	CA03990	SERVER	KEVIL-KY	USE04338TT	460G6	HP	6/24/2013	4,000.00
122	CA03991	SERVER	KEVIL-KY	USE04338V1	460G6	HP	6/24/2013	4,000.00
123	CA03992	SERVER	KEVIL-KY	UE04338VE	460G6	HP	6/24/2013	4,000.00
124	CA03993	SERVER	KEVIL-KY	USE04338TX	460G6	HP	6/24/2013	4,000.00
125	CA03999	SERVER	KEVIL-KY	USE04338BVB	460 G6	HP	6/24/2013	4,000.00
126	CA04000	SERVER	KEVIL-KY	USE04338V0	460G6	HP	6/24/2013	4,000.00
127	CA04008	SERVER	KEVIL-KY	USE04338VK	460G6	HP	6/24/2013	4,000.00
128	CA04009	SERVER	KEVIL-KY	USE04338V3	460G6	HP	6/24/2013	4,000.00
129	CA03134	KVM 32 PORT	KEVIL-KY	HKA8500231	KX2-232	RARITAN	10/14/2008	3,985.00
130	CA03453	NETWORK SWITCH	KEVIL-KY	FD01315Y264	3560	CISCO	5/2/2011	3,767.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
131	CA03454	NETWORK SWITCH	KEVIL-KY	FD01221Y4SP	3560	CISCO	5/2/2011	3,767.00
132	CA03455	NETWORK SWITCH	KEVIL-KY	FDO1221Y51Z	3560	CISCO	5/2/2011	3,767.00
133	CA03456	NETWORK SWITCH	KEVIL-KY	CAT1131NHW7	3560	CISCO	5/2/2011	3,767.00
134	CA03457	NETWORK SWITCH	KEVIL-KY	FDO1221Y4YM	3560	CISCO	5/2/2011	3,767.00
135	CA03458	NETWORK SWITCH	KEVIL-KY	FD01315Y2BB	3560	CISCO	5/2/2011	3,767.00
136	CA03459	NETWORK SWITCH	KEVIL-KY	FD01221Y47F	3560	CISCO	5/2/2011	3,767.00
137	CA03460	NETWORK SWITCH	KEVIL-KY	FD01221Y56W	3560	CISCO	5/2/2011	3,767.00
138	CA03461	NETWORK SWITCH	KEVIL-KY	FD01315X3E0	3560	CISCO	5/2/2011	3,767.00
139	CA03462	NETWORK SWITCH	KEVIL-KY	FD01315Y26V	3560	CISCO	5/2/2011	3,767.00
140	CA03463	NETWORK SWITCH	KEVIL-KY	FD01315X2L6	3560	CISCO	5/2/2011	3,767.00
141	CA03464	NETWORK SWITCH	KEVIL-KY	FD01315Y2B8	3560	CISCO	5/2/2011	3,767.00
142	CA03465	NETWORK SWITCH	KEVIL-KY	FD01221Y2NZ	3560	CISCO	5/2/2011	3,767.00
143	CA03466	NETWORK SWITCH	KEVIL-KY	FD01315X3JT	3560	CISCO	5/2/2011	3,767.00
144	CA03467	NETWORK SWITCH	KEVIL-KY	FD01222Y1B1	3560	CISCO	5/2/2011	3,767.00
145	CA03468	NETWORK SWITCH	KEVIL-KY	FD01315Y2B9	3560	CISCO	5/2/2011	3,767.00
146	CA03469	NETWORK SWITCH	KEVIL-KY	FD01221Y4WA	3560	CISCO	5/2/2011	3,767.00
147	CA03470	NETWORK SWITCH	KEVIL-KY	FD013153L0	3560	CISCO	5/2/2011	3,767.00
148	CA03471	NETWORK SWITCH	KEVIL-KY	FD01315X3L2	3560	CISCO	5/2/2011	3,767.00
149	CA03534	NETWORK SWITCH	KEVIL-KY	FD01315Y28J	3560	CISCO	5/2/2011	3,767.00
150	CA02869	SERVER	KEVIL-KY	MXQ736004A	DL 360	HP	9/26/2007	3,700.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
151	CA02876	SERVER	KEVIL-KY	MXQ7360042	DL 360	HP	9/26/2007	3,700.00
152	CA02883	SERVER	KEVIL-KY	MXQ7360049	DL 360	HP	9/26/2007	3,700.00
153	CA03128	SERVER	KEVIL-KY	F6ZTXG1	POWER EDGE 1950	DELL	8/27/2008	3,694.00
154	CA03921	SAN SWITCH	KEVIL-KY	USB917TBYC	STORAGE WORKS 8/8	HP	11/28/2012	3,500.00
155	CA03922	SAN SWITCH	KEVIL-KY	USB909T9H0	STORAGE WORKS 8/8	HP	11/28/2012	3,500.00
156	CA02733	SHREDDER	C-755-T18	6075833	SEM 5140C	SEM	6/1/2001	3,425.00
157	CA03317	SAN SWITCH	KEVIL-KY	USB950SGCL	8/8	HP	2/24/2010	3,324.00
158	CA03318	SAN SWITCH	KEVIL-KY	USB50SGBT	8/8	HP	2/24/2010	3,324.00
159	CA03404	NETWORK SWITCH	C-764-T09	CAT1126ZG1N	C 3750G-125	CISCO	2/28/2011	3,000.00
160	CA03805	SERVER	C-103	FTX1427AH30	2911	CISCO	4/10/2011	3,000.00
161	CA03806	SERVER	C-103	FTX1427AH2Z	3800	CISCO	4/10/2011	3,000.00
162	CA03844	SERVER	KEVIL-KY	F0C1425W2DJ	C3750G	CISCO	9/21/2012	3,000.00
163	CA03845	SERVER	KEVIL-KY	F0C1021Y1BF	C3750G	CISCO	9/21/2012	3,000.00
164	CA03846	SERVER	C-100	F0C1339Z2EA	3750G	CISCO	10/15/2012	3,000.00
165	CA03923	SWITCH	KEVIL-KY	F0C1230W3XH	WS-C3560G-48TS	CISCO	12/7/2012	3,000.00
166	CA03133	KVM 16 PORT	KEVIL-KY	HKB8700238	KX2-216	RARITAN	10/14/2008	2,835.00
167	CA03332	SAN UNIT 2	KEVIL-KY	256952B082	MSA 2000	HP	3/8/2010	2,828.00
168	CA03333	SAN UNIT 3	KEVIL-KY	256952B080	MSA 2000	HP	3/8/2010	2,828.00
169	CA03314	SAFE	C-743-T11	88379	2FT	HAMILTON	2/23/2010	2,702.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
170	CA03936	SWITCH	KEVIL-KY	FOCO928U054	3560G-48TS	CISCO	6/13/2013	2,600.00
171	CA04015	SWITCH	KEVIL-KY	F0C1244W053	WS-C3750G-48TS-E	CISCO	8/30/2013	2,600.00
172	CA01287	PLOTTER	KEVIL-KY	ESB7708618	DESIGN JET 755CM	HP	8/20/1997	2,500.00
173	CA04023	SWITCH	KEVIL-KY	F0C1526X1CM	WS-C3750G-24PS-S	CISCO	11/26/2013	2,500.00
174	CA06570	SERVER	KEVIL-KY	MXQ821A2VC	DL 360 G5	HP	12/29/2008	2,500.00
175	Reserved							
176	CA03811	SERVER	KEVIL-KY	C1FXPC1	1950	DELL	5/8/2012	2,364.00
177	CA01955	CAMERA	C-755-T18	DEFG	P-ZOOM	PLASTICARD	2/21/2005	2,091.00
178	CA03390	SWITCH	KEVIL-KY	FD01413P0BP	3560	HP	10/12/2010	2,000.00
179	CA03847	SRVER	KEVIL-KY	FD01236Y1L8	3750G	CISCO	10/15/2012	2,000.00
180	CA04010	SWITCH	KEVIL-KY	FTDO1247XROEL	WSC 3560 48PSE	CISCO	7/24/2013	2,000.00
181	CA04016	SWITCH	KEVIL-KY	CAT0941Z26R	3750	CISCO	8/30/2013	2,000.00
182	CA04017	SWITCH	KEVIL-KY	CAT1135RG4G	3750	CISCO	8/30/2013	2,000.00
183	CA04018	SWITCH	KEVIL-KY	CAT0936Z3D4	3750	CISCO	8/30/2013	2,000.00
184	CA04019	SWITCH	KEVIL-KY	CAT1104ZG8C	3750	CISCO	8/30/2013	2,000.00
185	CA04020	SWITCH	KEVIL-KY	CAT0930R0DB	3750	CISCO	8/30/2013	2,000.00
186	CA04044	SWITCH	KEVIL-KY	FCZ1227400J	3750	CISCO	4/15/2014	2,000.00
187	CA04045	SWITCH	KEVIL-KY	FD01222Z28H	3560	DELL	4/15/2014	2,000.00
188	CA07145	LAPTOP	KEVIL-KY	CND0400VML	ELITE BOOK	HP	11/9/2010	1,908.56
189	CA02812	NETWORK SWITCH	KEVIL-KY	CAT0924K0KG	WS-C3750G-	CISCO	9/1/2005	1,800.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
					24TS			
190	CA03001	NETWORK SWITCH	KEVIL-KY	FOC1142U440	CATALYST 2960	CISCO	3/12/2008	1,800.00
191	CA03002	NETWORK SWITCH	KEVIL-KY	FOC1142U443	CATALYST 2960	CISCO	3/12/2008	1,800.00
192	CA03003	NETWORK SWITCH	KEVIL-KY	FOC1143X4WW	CATALYST 2960	CISCO	3/12/2008	1,800.00
193	CA03004	NETWORK SWITCH	KEVIL-KY	FOC1143X4YD	CATALYST 2960	CISCO	3/12/2008	1,800.00
194	Reserved							
195	CA02506	NETWORK SWITCH	C-100	FOC1006Z02K	CATALYST 2950	CISCO	4/18/2006	1,600.00
196	CA02735	SERVER	KEVIL-KY	USM524016T	Proliant 360	HP	6/23/2006	1,600.00
197	CA03445	SERVER	KEVIL-KY	64TVSJ1	POWER EDGE R200	DELL	5/2/2011	1,590.00
198	CA03446	SERVER	KEVIL-KY	JD2SSJ1	POWER EDGE R200	DELL	5/2/2011	1,590.00
199	CA03449	SERVER	KEVIL-KY	702NQG1	POWER EDGE R200	DELL	5/2/2011	1,590.00
200	CA03451	SERVER	KEVIL-KY	DXHTSJ1	POWER EDGE R200	DELL	5/2/2011	1,590.00
201	Reserved							
202	CA03912	LAPTOP	KEVIL-KY	FBRJGQ1	LATITUDE E6410	DELL	10/26/2012	1,400.00
203	Reserved							
204	CA03916	LAPTOP	KEVIL-KY	C3PLTH1	LATITUDE E6400	DELL	10/26/2012	1,400.00
205	CA03185	FILE CABINET	C-743-T11	BD401143	5000	SCHWAB	5/4/2009	1,380.00
206	CA04072	LAPTOP	KEVIL-KY	CNU416D1RB	ELITE BOOK	DELL	5/30/2014	1,241.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
					850 G1			
207	CA01954	BADGE PUNCH	C-755-T18	ABCD	P22	PLASTICARD	2/21/2005	1,200.00
208	CA03322	LAPTOP	KEVIL-KY	CNU0060FGT	COMPAQ 6730b	HP	3/4/2010	1,200.00
209	CA03391	SERVER	KEVIL-KY	MXS033002W	ML 150 G6	HP	10/12/2010	1,200.00
210	CA03392	SERVER	KEVIL-KY	MXS0330023	ML 150 G6	HP	10/12/2010	1,200.00
211	CA03393	SERVER	KEVIL-KY	MXS0330021	ML 150 G6	HP	10/12/2010	1,200.00
212	CA04022	SWITCH	KEVIL-KY	F0CUA1105Y4	WS-3560-24TS-S	CISCO	11/26/2013	1,200.00
213	CA04024	LAPTOP	C-743-T13	5CB338010X	ELITE BOOK 8570 P	HP	3/13/2014	1,200.00
214	CA03274	SERVER	KEVIL-KY	UDS907N5MX	DL 120G5	HP	1/29/2010	1,160.00
215	CA03275	SERVER	KEVIL-KY	UDS907N64N	DL 120G5	HP	1/29/2010	1,160.00
216	CA03191	CPU	KEVIL-KY	2UA90318WV	XW 4600	HP	5/14/2009	1,118.00
217	CA04057	CPU	KEVIL-KY	766DK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
218	CA04058	CPU	KEVIL-KY	75NJK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
219	CA04059	CPU	KEVIL-KY	BRSNF02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
220	CA04061	CPU	KEVIL-KY	6VSNF02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
221	CA04062	CPU	KEVIL-KY	76GKK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
222	CA04063	CPU	KEVIL-KY	764JK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
223	CA04064	CPU	KEVIL-KY	75GGK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
224	CA04065	CPU	KEVIL-KY	75VDK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
225	CA04066	CPU	KEVIL-KY	6QSNF02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
226	CA04067	CPU	KEVIL-KY	75NDK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
227	CA04068	CPU	KEVIL-KY	75TCK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
228	CA04069	CPU	KEVIL-KY	75QHK02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
229	CA04070	CPU	KEVIL-KY	GMSNF02	OPTIPLEX 3020	DELL	5/29/2014	1,096.00
230	CA04071	CPU	KEVIL-KY	8GGBL02	OPTIPLEX 3020	DELL	5/30/2014	1,096.00
231	CA03129	PRINTER (NETWORK)	C-755-T26	CNDY146127	CB509A	HP	9/25/2008	1,037.00
232	CA01634	PRINTER (NETWORK)	C-755-T08	USLNG37523	C8051A	HP	6/1/2005	1,000.00
233	CA03315	SAFE	C-743-T11	NWC 063 (H-!8)	2FT	MOSLER	2/23/2010	1,000.00
234	CA03329	SERVER	KEVIL-KY	USE909N175	DL120 G5	HP	3/8/2010	1,000.00
235	CA03357	NETWORK SWITCH	KEVIL-KY	FOCI1342WOVP	2960-48	CISCO	5/12/2010	1,000.00
236	CA03358	NETWORK SWITCH	C-743-T01	FOCI346X57N	2960-48	CISCO	5/6/2010	1,000.00
237	CA03375	LAPTOP	KEVIL-KY	CNUO254B2R	P6550b	HP	9/22/2010	1,000.00
238	CA03376	LAPTOP	KEVIL-KY	CNUO2508G6	P6550b	HP	9/22/2010	1,000.00
239	CA03385	SECURITY CONTAINER	C-743-T14	40596 B	5-DRAWER	HAMILTON	9/30/2010	1,000.00
240	CA07826	LAPTOP	KEVIL-KY	35593393105	LATITUDE E6530	DELL	5/6/2013	938.75
241	CA02743	NETWORK SWITCH	KEVIL-KY	FOC1025Y2H5	WS2950T24	CISCO	8/18/2006	900.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
242	CA04011	SWITCH	KEVIL-KY	FTOC125Z4CW	WSC 2960 24PCL	CISCO	7/24/2013	900.00
243	CA04012	SWITCH	KEVIL-KY	FTOC125OZ49D	WSC 2960 24PCL	CISCO	7/24/2013	900.00
244	CA04013	SWITCH	KEVIL-KY	FTOC125OZ49H	WSC 2960 24PCL	CISCO	7/24/2013	900.00
245	CA01488	SAFE	C-755-T18	N369586	2 FT	FIREKING	6/1/2001	800.00
246	CA02912	NETWORK SWITCH	C-412-T09	FOC1135Z6WX	2960	CISCO	11/27/2007	800.00
247	CA02913	NETWORK SWITCH	KEVIL-KY	FOC1134X36G	2960	CISCO	11/28/2007	800.00
248	CA03343	NETWORK SWITCH	C-764-T01	FOCI1349XOLL	2760-24	CISCO	12/1/2009	800.00
249	CA03344	NETWORK SWITCH	C-764-T02	FOCI349YOSL	2760-24	CISCO	12/1/2009	800.00
250	CA03345	NETWORK SWITCH	C-764-T04	FOCI350V155	2760-24	CISCO	3/22/2010	800.00
251	CA03346	NETWORK SWITCH	C-764-T05	FOCI409X2UC	2760-24	CISCO	3/22/2010	800.00
252	CA03349	NETWORK SWITCH	C-764-T10	FOCI409X2SA	2760-24	CISCO	3/22/2010	800.00
253	CA03351	NETWORK SWITCH	C-764-T07	FOCI409X2S4	2760-24	CISCO	3/22/2010	800.00
254	CA03352	NETWORK SWITCH	C-764-T08	FOCI35OV158	2760-24	CISCO	3/22/2010	800.00
255	CA03848	LAPTOP	KEVIL-KY	24PLTH1	LATITUDE E6400	DELL	10/19/2012	800.00
256	CA03927	NETWORK SWITCH	C-103	F0C1308Z1F	WS-C2960	CISCO	3/20/2013	800.00
257	CA01956	CPU	C-755-T18	USU4040CKB	D530 CMT	HP	6/1/2005	785.00
258	CA03570	CPU	C-755-T27	GWR2JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
259	CA03577	CPU	KEVIL-KY	49XPA1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
260	CA03584	CPU	C-755-T20	6WQ8JG1	OPTIPLEX	DELL	5/2/2011	775.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
					360			
261	CA03589	CPU	C-743-T14	6W05JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
262	CA03595	CPU	101 LIBERTY DRIVE	6VN7JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
263	CA03603	CPU	KEVIL-KY	6Z04JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
264	CA03606	CPU	C-755-T19	3S1P1J1	Optiplex 330	DELL	5/2/2011	775.00
265	CA03609	CPU	C-755-T19	6YYBJG1	OPTILEX 360	DELL	5/2/2011	775.00
266	CA03610	CPU	KEVIL-KY	6WQ2JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
267	CA03612	CPU	C-755-T18	6WWS3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
268	CA03613	CPU	KEVIL-KY	6WQ4JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
269	CA03626	CPU	C-755	17LP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
270	CA03628	CPU	C-743-T11	6FPP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
271	CA03631	CPU	C-755-T08	DCRH1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
272	CA03635	CPU	C-755-T18	3DRH1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
273	CA03638	CPU	C-755-T26	FQJV1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
274	CA03639	CPU	C-755-T28	3R7Q1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
275	CA03644	CPU	KEVIL-KY	9DDQ1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
276	CA03656	CPU	C-743-T11	79XP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
277	CA03658	CPU	KEVIL-KY	H8XP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
278	CA03659	CPU	C-755-T20	6X7Q1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
279	Reserved							
280	CA03666	CPU	C-755-T19	4RT21J1	OPTIPLEX 360	DELL	5/2/2011	775.00
281	CA03667	CPU	C-755	BR7Q1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
282	Reserved							
283	CA03672	CPU	C-755-T26	H6LP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
284	CA03673	CPU	C-755-T27	3GDQ1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
285	CA03674	CPU	C-755-T18	BFDQ1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
286	CA03675	CPU	C-755-T19	6X15JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
287	CA03676	CPU	C-755	6XH5JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
288	Reserved							
289	CA03679	CPU	C-755-T19	6X9CJG1	OPTIPLEX 360	DELL	5/2/2011	775.00
290	CA03685	CPU	C-755-T18	G8XP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
291	CA03690	CPU	C-755-T20	HRPP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
292	CA03695	CPU	761 VETERANS AVE	2FPS3J1	OPTIPLEX 360	DELL	5/2/2011	775.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
293	CA03696	CPU	C-755-T08	9RPP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
294	CA03699	CPU	C-755-T27	9WKP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
295	CA03703	A	C-755	6SPP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
296	CA03704	CPU	C-755	FRPP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
297	CA03707	CPU	C-755	D9PS3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
298	CA03708	CPU	C-755-T26	6WP8JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
299	CA03710	CPU	C-755-T26	4XHQ3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
300	CA03711	CPU	KEVIL-KY	CXHQ3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
301	CA03715	CPU	C-755-T18	FXHQ3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
302	CA03732	CPU	C-755-T11	6XV7JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
303	CA03737	CPU	C-755-T08	F92P1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
304	CA03738	CPU	C-755-T08	6VZ5JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
305	CA03740	CPU	C-755-T26	7RPP1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
306	CA03747	CPU	C-743-T14	1F3P1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
307	CA03755	CPU	KEVIL-KY	6VZ1JG1	OPTIPLEX 360	DELL	5/2/2011	775.00
308	CA03761	CPU	KEVIL-KY	6VO6JG1	OPTIPLEX 360	DELL	5/2/2011	775.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
309	CA03762	CPU	KEVIL-KY	B2WN3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
310	CA03777	CPU	C-755-T26	7WWS3J1	OPTIPLEX 360	DELL	5/2/2011	775.00
311	CA03780	CPU	C-743-T14	5QJD1J1	OPTIPLEX 360	DELL	5/2/2011	775.00
312	CA03823	CPU	C-755-T20	6TZ4JG1	OPTIPLEX 330	DELL	5/2/2011	775.00
313	CA04021	SWITCH	KEVIL-KY	CAT1041ZHRK	WS-3560-48TS-E	CISCO	11/26/2013	730.00
314	CA04025	CPU	C-743-T13	CGMG9Z1	OPTIPLEX 3020	DELL	4/2/2014	700.00
315	CA04026	CPU	C-743-T14	H2MTDZ1	OPTIPLEX 3020	DELL	4/2/2014	700.00
316	CA04027	CPU	C-743-T13	H2RSDZ1	OPTIPLEX 3020	DELL	4/2/2014	700.00
317	CA04028	CPU	C-743-T14	4638H02	OPTIPLEX 3020	DELL	4/15/2014	700.00
318	CA04029	CPU	C-743-T14	1GMHH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
319	CA04030	CPU	C-743-T14	G4KVG02	OPTIPLEX 3020	DELL	4/15/2014	700.00
320	CA04031	CPU	C-743-T14	JSKXG02	OPTIPLEX 3020	DELL	4/15/2014	700.00
321	CA04032	CPU	C-743-T14	JSP3GZ1	OPTIPLEX 3020	DELL	4/15/2014	700.00
322	CA04033	CPU	C-743-T14	454DH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
323	CA04034	CPU	C-743-T14	1HOMH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
324	CA04035	CPU	C-743-T14	JSX6GZ1	OPTIPLEX	DELL	4/15/2014	700.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
325	CA04036	CPU	C-743-T14	45MFH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
326	CA04038	CPU	C-743-T14	457FH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
327	CA04039	CPU	C-743-T14	45LDHO2	OPTIPLEX 3020	DELL	4/15/2014	700.00
328	CA04040	CPU	C-743-T14	46RFH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
329	CA04041	CPU	C-743-T13	45XFH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
330	CA04042	CPU	C-743-T13	46PCH02	OPTIPLEX 3020	DELL	4/15/2014	700.00
331	CA04043	CPU	KEVIL-KY	JQZ5202	OPTIPLEX 3020	DELL	4/15/2014	700.00
332	CA04046	CPU	KEVIL-KY	4XZ5202	OPTIPLEX 3020	DELL	4/15/2014	700.00
333	CA04047	CPU	KEVIL-KY	8B06202	OPTIPLEX 3020	DELL	4/15/2014	700.00
334	CA04048	CPU	KEVIL-KY	9ZZ5202	OPTIPLEX 3020	DELL	4/15/2014	700.00
335	CA04049	CPU	KEVIL-KY	6206202	OPTIPLEX 3020	DELL	4/15/2014	700.00
336	CA04050	CPU	KEVIL-KY	8006202	OPTIPLEX 3020	DELL	4/15/2014	700.00
337	CA04051	CPU	KEVIL-KY	7606202	OPTIPLEX 3020	DELL	4/15/2014	700.00
338	CA04052	CPU	KEVIL-KY	HK06202	OPTIPLEX 3020	DELL	4/15/2014	700.00
339	CA04053	CPU	KEVIL-KY	F706202	OPTIPLEX 3020	DELL	4/15/2014	700.00
340	CA03313	PRINTER (NETWORK)	C-743-T11	CND99C9T5Z	CM 2320 nf MFP	HP	2/17/2010	699.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
341	CA03285	CPU	KEVIL-KY	MXL0050WP4	PRO 3000 MT	HP	7/25/2010	600.00
342	CA03291	CPU	C-752-B-T01	MXL0050WNR	PRO 3000 MT	HP	2/15/2010	600.00
343	CA03292	CPU	C-755-T08	MXL0050WP9	HP PRO 3000 MT	HP	2/15/2010	600.00
344	CA03298	CPU	C-755-T26	MXL0050WPJ	PRO 3000 MT	HP	7/25/2010	600.00
345	CA03299	CPU	C-755-T27	MXL0050WNW	HP PRO 3000 MT	HP	2/15/2010	600.00
346	CA03301	CPU	C-755-T28	MXL0050WNV	HP PRO 3000 MT	HP	7/25/2010	600.00
347	CA03303	CPU	761 VETERANS AVE	MXL0050WPZ	HP PRO 3000 MT	HP	2/15/2010	600.00
348	CA03304	CPU	KEVIL STORAG	MXL0050WN9	HP PRO 3000 MT	HP	2/15/2010	600.00
349	CA03306	CPU	C-755-T26	MXL0050WNP	HP PRO 3000 MT	HP	2/15/2010	600.00
350	CA03310	CPU	C-755-T26	MXL0050WPN	HP PRO 3000 MT	HP	2/15/2010	600.00
351	CA03326	CPU	C-755-T28	MXL9451YBS	COMPAQ 500 B	HP	3/4/2010	600.00
352	CA03920	BLACKBERRY	C-743-T11	359093020946424	BOLD 9000	BLACKBERRY	11/20/2012	600.00
353	CA03924	BLACKBERRY	C-755-T28	359093020939973	BOLD 9000	BLACKBERRY	12/11/2012	600.00
354	Reserved							
355	CA06819	CPU	C-755-T27	2UA91714PW	DC 5800	HP	7/25/2010	600.00
356	CA06834	CPU "ARRA"	KEVIL-KY	2UA91714M1	DC 5800	HP	10/30/2009	600.00
357	CA06842	CPU	KEVIL-KY	2UA91714QP	DC 5800	HP	7/25/2010	600.00
358	CA06849	CPU	C-755-T19	2UA91714Q7	DC 5800	HP	7/25/2010	600.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
359	CA06851	CPU	C-755-T27	2UA91714Q5	DC 5800	HP	10/30/2009	600.00
360	CA06854	CPU "ARRA"	761 VETERANS AVE	2UA91714NR	DC 5800	HP	10/30/2009	600.00
361	CA07007	CPU	C-743-T14	MXL9451YB1	500B	HP	10/1/2010	600.00
362	CA07031	CPU	C-743-T13	MXL0550WND	HP PRO 3000 MT	HP	2/16/2010	600.00
363	CA07032	CPU	C-755	MXL0550WPL	HP PRO 3000 MT	HP	2/16/2010	600.00
364	CA07038	CPU	KEVIL-KY	MXL0550WPC	PRO 3000 MT	HP		600.00
365	CA07040	CPU	C-755-T18	MXL0550WN7	PRO 3000 MT	HP	7/25/2010	600.00
366	CA07044	CPU	C-755-T18	MXL0550WP7	PRO 3000 MT	HP	7/25/2010	600.00
367	CA07046	CPU	C-755-T28	MXL0550WPV	PRO 3000 MT	HP	7/25/2010	600.00
368	CA03223	CPU	C-755-T18	2UA9321DX7	DC 5800	HP	8/13/2009	550.00
369	CA03226	CPU	C-743-T11	2UA9321DXL	DC 5800	HP	8/13/2009	550.00
370	CA03229	CPU	C-743-T11	2UA9340BY0	DC5800	HP	8/13/2009	550.00
371	CA03230	CPU	C-755-T27	2UA9340BXP	DC5800	HP	8/13/2009	550.00
372	CA03237	CPU	C-743-T13	2UA9321DWY	DC 5800	HP	8/21/2009	550.00
373	CA03238	CPU "ARRA"	KEVIL-KY	2UA9321DXG	DC5800	HP	8/21/2009	550.00
374	Reserved							
375	CA03241	CPU	C-755-T20	2UA9321DX2	DC 5800	HP	8/21/2009	550.00
376	CA03251	CPU	C-743-T11	2UA9321DXP	DC 5800	HP	8/21/2009	550.00
377	Reserved							

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
378	CA03850	CPU	KEVIL-KY	MXL92716DB	DC 7900	HP	10/22/2012	515.00
379	Reserved							
380	CA03862	CPU	101 LIBERTY DRIVE	MXL92716F0	DC 7900	HP	10/22/2012	515.00
381	CA03865	CPU	KEVIL-KY	MXL92716WJ	DC 7900	HP	10/22/2012	515.00
382	CA03884	CPU	KEVIL-KY	MXL92716R5	DC 7900	HP	10/23/2012	515.00
383	CA03885	CPU	C-755-T19	MXL92716	DC 7900	HP	10/23/2012	515.00
384	CA03893	CPU	761 VETERANS AVE	MXL92716DC	DC 7900	HP	10/23/2012	515.00
385	Reserved							
386	CA03907	CPU	C-755-T08	2UA9120570	DC 7900	HP	10/23/2012	515.00
387	CA01804	SAFE	C-743-T11	45802B	475 LBS	HAMILTON	6/1/2001	500.00
388	CA01805	SAFE	C-743-T11	1524645	4FT	MOSLER	6/1/2001	500.00
389	CA01806	SAFE	C-743-T14	1262956	2FT	MOSLER	6/1/2001	500.00
390	CA01807	SAFE	C-743-T14	43397	475 LBS	HAMILTON	6/1/2001	500.00
391	CA02770	SAFE	C-743-T11	67403	2FT	HAMILTON	9/28/2006	500.00
392	CA02911	PRINTER (NETWORK)	C-743-T11	CNBJN81591	CB368A	HP	11/27/2007	500.00
393	CA03268	CPU	KEVIL-KY	2UA93805VV	WORKSTATION	HP	7/25/2010	500.00
394	CA03276	BLACKBERRY	C-755-T20	359093020181493	9000	BLACKBERRY	2/3/2010	500.00
395	CA03341	BLACKBERRY	C-743-T11	359093020225175	9000	BLACKBERRY	3/16/2010	500.00
396	CA03361	BLACKBERRY	KEVIL-KY	359093020129203	9000	BLACKBERRY	5/20/2010	500.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
397	CA03369	BLACKBERRY	KEVIL-KY	359093020140580	9000	BLACKBERRY	7/22/2010	500.00
398	CA03374	BLACKBERRY	KEVIL-KY	359093020132892	9000	BLACKBERRY	9/20/2010	500.00
399	CA03377	BLACKBERRY	C-755-T20	359093020224871	9000	BLACKBERRY	9/23/2010	500.00
400	CA03378	BLACKBERRY	C-755-T28	26843545901071549	9650	BLACKBERRY	9/28/2010	500.00
401	CA03822	BLACKBERRY	C-755-T20	359093020975290	9000	BLACKBERRY	6/27/2012	500.00
402	Reserved							
403	CA03933	BLACKBERRY	KEVIL-KY	357966046305331	BOLD 9900	BLACKBERRY	4/18/2013	500.00
404	CA03934	BLACKBERRY	C-755-T28	357966046299948	BOLD 9900	BLACKBERRY	4/25/2013	500.00
405	CA03935	BLACKBERRY	C-743-T11	357966046305265	BOLD 9900	BLACKBERRY	5/1/2013	500.00
406	CA04055	HARD DRIVE	KEVIL-KY	F6121338000400BB			5/21/2014	500.00
407	CA04086	BLACKBERRY	KEVIL-KY	355881046480053	TORCH	BLACKBERRY	7/27/2014	500.00
408	Reserved							
409	CA02923	TRANSFER SWITCH	KEVIL-KY	5A0733T21581	AP7750	APC	12/11/2007	450.00
410	CA02962	CPU	C-743-T14	MXM80606XK	DX 2300	HP	2/25/2008	450.00
411	CA03058	CPU (SECURE SYSTEM)	C-743-T14	MXM82406FX	DX 2400	HP	6/27/2008	450.00
412	CA03068	CPU	C-755-T27	MXM82903LZ	DX 2400	HP	7/30/2008	450.00
413	CA03070	CPU (SECURE SYSTEM)	C-743-T14	MXM82800BB	DX 2400	HP	7/30/2008	450.00
414	CA03094	CPU	C-755-T28	MXL8310RQZ	DX 2400	HP	8/25/2008	450.00
415	CA03102	CPU	C-300	MXL8310RS8	DX 2400	HP	8/25/2008	450.00
416	CA03143	CPU	C-743-T14	MXL848OF0Y	DX 2400	HP	12/15/2008	450.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
417	CA03145	CPU	C-743-T11	2UA8440S01	DX 2400	HP	12/15/2008	450.00
418	CA03172	CPU	761 VETERANS AVE	2UA9040MMC	DX 2400	HP	3/6/2009	450.00
419	CA03201	CPU	KEVIL-KY	MXL9241C8Z	DX 2400	HP	7/8/2009	450.00
420	CA03207	CPU	C-743-T11	MXL9241CDK	DX 2400	HP	7/8/2009	450.00
421	CA03208	CPU	KEVIL-KY	MXL9241CDS	DX 2400	HP	7/8/2009	450.00
422	CA03399	CPU	C-755	(01)07898915959895	VERITON N282G	HP	1/19/2011	450.00
423	CA03786	CPU	KEVIL-KY	PSVBH03006115044882701	VERITON N282G	ACER	6/27/2011	410.00
424	CA03787	CPU	KEVIL-KY	PSVBH03006115045173 2701	VERITON N282G	ACER	6/27/2011	410.00
425	CA02779	CAMERA	C-755-T18	3028216906	POWER SHOT S3 IS	CANON	11/13/2006	400.00
426	CA03359	CELL PHONE	C-755-T20	010702/00225995/9	6010		5/12/2010	400.00
427	CA03396	THIN CLIENT	EIC	CNVA3604ZY	VU900AA#ABA	HP	12/6/2010	400.00
428	CA03160	PRINTER (NETWORK)	C-743-T11	CNBJY01034	CB368AR	HP	2/11/2009	375.00
429	CA02915	NETWORK SWITCH	KEVIL-KY	CN734ZP165	WITTEJ	HP	12/7/2007	372.00
430	CA02918	NETWORK SWITCH	KEVIL-KY	CN740ZP1F6	WITTEJ	HP	12/7/2007	372.00
431	CA02919	NETWORK SWITCH	KEVIL-KY	CN734ZP1DP	WITTEJ	HP	12/7/2007	372.00
432	CA02920	NETWORK SWITCH	KEVIL-KY	CN740ZP1EW	WITTEJ	HP	12/7/2007	372.00
433	CA02921	NETWORK SWITCH	KEVIL-KY	CN736ZP0R0	WITTEJ	HP	12/7/2007	372.00
434	CA01644	FAX (SECURE FAX)	C-743-T11	14410091A	SUPER G3		6/1/2005	300.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
435	CA04056	BLACKBERRY	C-743-T11	351937042859312	BOLD	BLACKBERRY	5/27/2014	300.00
436	CA03790	PRINTER (SECURE)	C-743-T13		LASER JET 2035	HP	9/26/2011	220.00
437	CA03791	PRINTER (SECURE)	C-743-T13	CN89H10058	LASER JET 2035	HP	9/27/2011	220.00
438	Reserved							
439	CA02851	PRINTER (NETWORK)	C-743-T11	CNBJM42960	CB368A	HP	8/1/2007	200.00
440	CA06264	DIGITAL CAMERA	C-755-T20	0461814	DSC-S650	SONY	6/1/2007	149.00
441	CA02774	CAMERA	C-755-T20	KCFFR61912939	EASY SHARE C533	KODAK	9/19/2006	145.00
442	CA03560	BLACKBERRY	C-755-T26	353932049386888	CURVE	BLACKBERRY	6/25/2013	130.00
443	CA03559	BLACKBERRY	KEVIL-KY	361937043244829	BOLD	BLACKBERRY	6/24/2013	100.00
444	CA04060	CPU	KEVIL-KY	757JK02	OPTIPLEX 3020	DELL	5/29/2014	.00
445	0ESS137	BLUE CHEVY SILVERADO FLEX FUEL - 2009	C-755-T19	1GCEK14009Z256	1500 4X4	CHEVROLET	9/10/2009	16,917.50
446	CA02809	Brine Shelter	C-755				1/25/2007	12,500.00
447	CA03123	CPU	761 VETERANS AVE	2UA8230WFQ	XV 8600	HP	8/28/2008	2,200.00
448	CA03327	CPU	101 LIBERTY DRIVE	MXL9451Y9P	COMPAQ 500 B	HP	3/4/2010	600.00
449	CA03356	MOWER Kubota (KM-4)	C-755-T20	11249	F3680	KUBOTA	5/6/2010	17,420.00
450	CA03668	CPU	761 VETERANS AVE	7FDQ1J1	OPTIPLEX 360	DELL	5/2/2011	775.00

Item	Asset ID	Asset Description	Location	Serial #	Model	Manufacturer	Purchase Date	Purchase Price
451	CA03878	CPU	C-755-T26	MXL92716GQ	DC 7900	HP	10/22/2012	515.00
452	CA04610	UTILITY GATOR	C-755	1M0HPXGASEM120712	HPX (4X4)	JOHN DEERE	7/22/2014	10,300.00
453	CA10020	SKID STEER	C-755	13372	SLV90-2	KUBOTA	10/14/2014	65,391.00

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-4 – LIST OF DELIVERABLES

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
PADUCAH LIST OF DELIVERABLES

The table below, Summary of Contract Deliverables, summarizes the specific products the Contractor shall submit to the DOE, the type of action DOE will perform, and the date/timeframe that the Contractor shall submit the product. Durations stated in the table are in calendar days unless otherwise noted.

Deliverables are considered task order endpoints, work scope completions, products, reports or commitments that shall be delivered to DOE. The types of DOE action are defined as:

- Approval – The Contractor shall provide the deliverable to DOE for review and approval. Contractor is responsible for obtaining DOE approval. The initial deliverable shall be of sufficient quality, depth, thoroughness, and format to support DOE approval. DOE will review the deliverable and provide comments in writing. DOE comments will be discussed with the Contractor and the Contractor shall provide written responses. The Contractor shall re-write the documents to incorporate all DOE mandatory comments. Once DOE approves a deliverable or document, the Contractor shall place it under change control and shall make no changes to that document without further DOE approval.

- Information – The Contractor shall provide the deliverable to DOE for information purposes. DOE will have the option of reviewing the information and providing comments. Contractor shall respond to all written comments.

Summary of Contract Deliverables does not include all required deliverables identified in other applicable sections of the Contract, DOE directives, federal regulations, or regulatory documents. The Contractor shall be responsible for the compliance with all applicable standards, orders and regulations under the Contract.

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
C.2.0 MANAGEMENT AND ADMINISTRATION				
1.	Deliverable Schedule	C.2.1	Within 10 Days of NTP	Approval
2.	Updates/responses to Citizens Advisory Board	C.2.1 Federal Advisory Committee Act	As Requested	Information
3.	Implementing Policies, Plans, and Procedures for Programs	C.2.1	As Requested	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
4.	Worker Safety and Health Program	C.2.2.1 10 CFR 851	Within 40 Days of NTP, and at least 90 Days prior to any significant changes or additions	Approval
5.	Incident/Accident Reports (including subcontractor information)	C.2.2.1 DOE O 231.1B	Quarterly	Information
6.	Radiation Protection Program	C.2.2.2 10 CFR 835	Within 40 Days of NTP, annually thereafter, and at least 90 Days prior to any significant changes or additions	Approval
7.	Environmental Radiological Protection Program	C.2.2.2 DOE O 458.1	Within 40 Days of NTP, annually thereafter, and at least 90 Days prior to any significant changes or additions	Approval
8.	Integrated Safety Management System Description	C.2.2.3 DEAR 970.5223-1	Within 40 Days of NTP	Approval
9.	Performance Objectives, Performance Measures, and Commitments (POMC's)	C.2.2.3 DEAR 970.5223-1	Annual Review/Update	Approval
10.	Annual Integrated Safety Management System Effectiveness Review	C.2.2.3 DEAR 970.5223-1	Annually	Approval
11.	Environmental Management System	C.2.2.3 DOE O 436.1	As Requested	Information
12.	Site Sustainability Plan	C.2.2.3 Executive Order 13514 DOE O 436.1	Annually	Approval
13.	Quality Assurance Program	C.2.2.4 DOE O 414.1D EM-QA-001 (latest revision)	Within 30 Days of NTP, and when any significant changes or additions are made	Approval
14.	Quality Assurance Implementation Plan	C.2.2.4 DOE O 414.1D EM-QA-001 (latest revision)	Within 30 Days of NTP, and when any significant changes or additions are made	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
15.	Quality Assurance Program Effectiveness Review	C.2.2.4 DOE O 414.1D EM-QA-001 (latest revision)	Annually	Information
16.	Issues Management System	C.2.2.4 DOE O 414.1D EM-QA-001 (latest revision)	As Requested	Information
17.	Contractor Assurance System	C.2.2.5 DOE O 226.1B	Within 40 Days of NTP, and Quarterly Reports thereafter	Approval
18.	Building/Project Emergency Contingency Plans	C.2.2.6 DOE O 151.1C	Within 40 Days of NTP	Information
19.	Input in the Paducah Site Emergency Plan	C.2.2.6 DOE O 151.1C	Annually	Information
20.	Input in the Paducah Emergency Readiness Assurance Plan	C.2.2.6 DOE O 151.1C	Annually	Information
21.	Infrastructure Facility Specific Emergency Plan Implementing Procedures	C.2.2.6 DOE O 151.1C	Within 40 Days of NTP	Approval
22.	Input to the Paducah Site Continuity of Operations Plan (COOP)	C.2.2.6 DOE O 150.1A	Annually	Information
23.	Hazard Survey for Infrastructure Facilities/Activities	C.2.2.6 DOE O 151.1C	Within 40 Days of NTP, and annually thereafter	Approval
24.	Emergency Planning Hazard Assessment (EPHA) for Infrastructure Facilities	C.2.2.6 DOE O 151.1C	Within 40 Days of NTP, and annually thereafter	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
25.	Paducah Site/facility-specific Emergency Action Levels (EAL's)	C.2.2.6 DOE O 151.1C	Within 30 Days of NTP, and when any significant changes or updates are made	Information
26.	Emergency Management Readiness Assurance Program	C.2.2.6 DOE O 151.1C	Within 40 Days of the NTP	Information
27.	Occurrence Reporting and Processing of Operations Information	C.2.2.7 DOE O 232.2	Per Occurrence	Approval
28.	Employee Concerns Status Report	C.2.2.9 DOE O 442.1A	Quarterly/Annually	Information
29.	Waste Management Plan	C.2.2.10 DOE O 435.1	Within 40 Days of NTP, and annually thereafter	Approval
30.	Pollution Prevention Plan	C.2.2.10 Executive Order (EO) 13423 EO 13514	Within 40 Days of NTP, and annually thereafter	Approval
31.	Recycle Report	C.2.2.10 EO 13423 EO 13514	Monthly Report	Information
32.	Monthly Progress Report	C.2.4.1 EM's Operations Activities Protocol, dated March 15, 2012, and the DOE Integrated Planning, Accountability, and Budgeting System – Guidance Documents, dated June 2011 or the most current version	Monthly (not later than the 10th business day following the end of each calendar month)	Information
33.	Input in the Paducah Integrated Site-wide Federal Lifecycle Baseline	C.2.4.1	As Requested	Information
33A	Work Plan	C.2.4.1	Annually by September 1	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
34.	Work Breakdown Structure (WBS) and WBS dictionary	C.2.4.1	As Requested	Information
C.3.0 FIRM-FIXED-PRICE WORK				
35.	Transition Plan	C.3.1	Within 15 Days of NTP	Approval
36.	Transition Status Reports	C.3.1	Weekly until Contract Transition is Complete	Information
37.	ODSA clarification letter	C.3.3.1	Within 30 Days of the NTP, and a documented review or update annually thereafter	Information
38.	Mechanism for Access to Security Policies and Procedures	C.3.3	Within 30 Days of the NTP and a documented review or update annually thereafter	Information
39.	Mission Statement	C.3.3 DOE P 470.1A	Within 3 months of NTP and a documented review or update annually thereafter	Information
40.	Security Integration Meeting Reports	C.3.3 DOE P 470.1A	Weekly Reports and Quarterly Reports (January 15, April 15, July 15, and October 15)	Information
41.	Bi-Weekly Meeting Minutes with PPPO Facility Security Officer	C.3.3 DOE P 470.1A	Bi-Weekly	Information
42.	Safeguards and Security Training Program Plan	C.3.3.1.1 DOE O 470.4B	Annually	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
43.	Appointment of a Facility Security Officer (FSO)	C.3.3.1.1 DOE O 470.4B	Prior to the completion of the transition period	Approval
44.	FSO Training Certificate	C.3.3.1.1 DOE O 470.4B	Within 1 year of appointment of any present or future FSO	Information
45.	Site Security Plan (SSP) (including (1) collaboration and coordination with the Remediation and Deactivation contractors and (2) review of the DUF_6 Conversion Project Operational Site Security Plan addendum for compliance with the SSP and overall protection strategy for the site)	C.3.3.1.2 DOE O 470.4B	Within 40 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
46.	SECON Response Plan	C.3.3.1.2 DOE O 470.4B	Within 40 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
47.	Insider Threat Program Plan	C.3.3.1.2 DOE O 470.4B DOE O 470.5	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
48.	Safeguards and Security Project Plans and Security Interest Areas, and other Classified Storage Areas, to include Non-Conforming Storage	C.3.3.1.2 DOE O 470.4B	Within 60 days of the NTP and a documented review or update annually thereafter	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
49.	Reports of Random Assessment and/or Surveillances of S&S Project Plans and Security Interest Areas	C.3.3.1.2 DOE O 470.4B	Quarterly for the Fiscal Year (October 15, January 15, April 15, and July 15)	Information
50.	Security Procedures for S&S Topical and Sub-Topical Areas	C.3.3.1.2 DOE O 470.4B	Within 30 Days of the NTP and a documented review or update annually thereafter	Information
51.	Site Demonstration Plan	C.3.3.1.2 DOE O 470.4B	Within 60 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
52.	Site Active Shooter Plan	C.3.3.1.2 DOE O 470.4B	Within 30 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
53.	Chemical Screening Inventory Report	C.3.3.1.2 DOE O 470.3B DOE O 470.4B	Annually	Approval
54.	Data Calls	C.3.3.1.2	As Requested	Information
55.	Self-Assessment Schedule	C.3.3.1.3.1 DOE O 470.4B	Within 60 Days of the NTP and updated by September 30 of each year	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
56.	Perform self-assessments and develop reports for each applicable topical and sub-topical program area	C.3.3.1.3.1 DOE O 470.4B	Per scheduled date of above deliverable	Information
57.	Annual Comprehensive Site Self-Assessment Report	C.3.3.1.3.1 DOE O 470.4B	Annually	Approval
58.	Corrective Action Plan for inclusion to the Annual Comprehensive Site Assessment Report	C.3.3.1.3.3 DOE O 470.4B	Annually	Approval
59.	Local System to Track Deficiencies and Associated Corrective Actions	C.3.3.1.3.3 DOE O 470.4B	Within 60 Days of the NTP, and updated thereafter when deficiencies occur	Information
60.	Corrective Action Plan for Periodic DOE S&S Surveys	C.3.3.1.3.3 DOE O 470.4B	As Required	Approval
61.	Quarterly Status Report of the CAPs (to include Tracking and Trending Analyses of Deficiencies from surveys and self-assessments)	C.3.3.1.3.3 DOE O 470.4B	Quarterly for the Fiscal Year (October 15, January 15, April 15, and July 15)	Information
62.	Performance Assurance Plan	C.3.3.1.3.2 DOE O 470.4B	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
63.	Security Performance Metric	C.3.3.1.3.2 DOE 470.4B	Monthly	Information
64.	Quarterly Security Metric for Performance Testing	C.3.3.1.3.2 DOE O 470.4B	Quarterly for the Fiscal Year (October 15, January 15, April 15, and July 15)	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
65.	Incidents of Security Concern Program Plan	C.3.3.1.3.4 DOE O 470.4B	Within 40 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
66.	Appoint Inquiry Official(s)	C.3.3.1.3.4 DOE O 470.4B	Within 30 Days of the NTP, and as necessary throughout contract performance	Approval
67.	Initial Incidents of Security Concern Report	C.3.3.1.3.4 DOE O 470.4B	Within 5 days of the incident being brought to the attention of management	Information
68.	Incident Closure Report	C.3.3.1.3.4 DOE O 470.4B	The final closure report for Category A and Category B incidents must be submitted within 90 calendar days of preliminary incident notification	Information
69.	Tracking and Trending Analysis of Incidents of Security Concern Reports	C.3.3.1.3.4 DOE O 470.4B	Quarterly for the Fiscal Year (October 15, January 15, April 15, and July 15)	Information
70.	Facility Clearance Program Plan	C.3.3.1.4.1 DOE O 470.4B	Within 60 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
71.	Facility Data and Approval Record Program Plan	C.3.3.1.4.1 DOE O 470.4B	Within 40 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
72.	Develop Foreign Ownership, Control or Influence Program Plan	C.3.3.1.4.2 DOE O 470.4B Att.3, Section 2	Within 60 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
73.	Review of the Performance Assurance Metrics for the Protective Force	C.3.3.2 DOE O 473.3	Semi-annually	Information
74.	Safeguards and Security Program Plan	C.3.3.2 DOE O 473.3 DOE O 470.4B	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
75.	Access Control Program Plan	C.3.3.3.1 DOE O 473.3	Within 40 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
76.	Real ID Act Procedure	C.3.3.2 DOE O 473.3	Within 30 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
77.	REAL ID Monthly Tracking Spreadsheet	C.3.3.2 DOE O 473.3	Monthly within 10 days following the end of each month	Information
78.	Security Lock and Key Program Plan	C.3.3.3.1.4 DOE O 473.3	Within 30 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
79.	Intrusion Detection and Assessment System Plan	C.3.3.3.2 DOE O 473.3	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
80.	Barrier and Delay Strategy Program Plan	C.3.3.3.3 DOE O 473.3	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
81.	Site Wide Comprehensive Unclassified Controlled Information Program	C.3.3.4.1 DOE O 471.6 DOE O 471.3 DOE M 471.3-1 DOE 471.1B DOE O 206.1 NISPOM DoD 5220.22M, *Guidelines on Export Control and Nonproliferation*	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
82.	Technical Surveillance Countermeasures Program (if applicable)	C.3.3.4.2 DOE O 471.6	Within 30 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
83.	Operations Security Program Plan	C.3.3.4.3 DOE O 471.6	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
84.	Classification Program Plan	C.3.3.4.4 DOE O 475.2A	Within 60 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
85.	Classified/Declassified Program Status Report	C.3.3.4.4	Quarterly for the Fiscal Year (October 15, January 15, April 15, and July 15)	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
86.	Appointment of a Classification Officer	C.3.3.4.4 DOE O 475.2A	Prior to the completion of the transition period	Approval
87.	Copies of any Assessments and Other Relevant Classification Information	C.3.3.4.4 DOE O 475.2A	As Applicable	Information
88.	COMSEC Program Plan	C.3.3.4.5	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
89.	Classified Matter Protection and Control Program Plan	C.3.3.4.5.1 DOE O 471.6	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
90.	CMPC Custodian Briefing	C.3.3.4.5.1 DOE O 471.6 DOE O 470.4B	Within 30 Days of the NTP, and a documented review or update annually thereafter.	Information
91.	CMPC General Briefing	C.3.3.4.5.1 DOE O 471.6 DOE O 470.4B	Within 30 Days of the NTP, and a documented review or update annually thereafter.	Information
92.	Transportation Security Plan(s)	C.3.3.4.5.1.1.1 DOE O 471.6 DOE O 473.3 DOE O 461.1B	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
93.	Personnel Security Program Plan	C.3.3.5.1 DOE O 472.2 DOE O 206.1 Atomic Energy Act of 1954, as amended (42 U. S. C 2282b) 10 CFR, Part 824 Executive Order 12968 National Industrial Security Program, Operating Manual (NISPOM)	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
94.	Safeguards and Security Awareness Program	C.3.3.5.3 DOE O 470.4B	Within 90 Days of the NTP, and a documented review or update annually thereafter	Information
95.	Safeguards and Security Program Plan for the Assessment and/or Surveillance of the Material Control and Accountability Program	C.3.3.6 DOE O 470.4B DOE O 474.2	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
96.	Foreign Visits and Assignments Program Plan	C.3.3.7 DOE O 142.3A	Within 90 Days of the NTP, and updated annually thereafter or when significant changes occur	Information
97.	System Security Plan	C.3.4.1.3 DOE O 205.1B	Within 40 Days of NTP, and annually thereafter	Approval
98.	Assurance System	C.3.4.1.3 DOE O 205.1B	Within 60 Days of NTP	Approval
99.	System Development Lifecycle Plan	C.3.4.1.3 DOE O 205.1B	Within 60 Days of NTP	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
100.	Incident Handling Plan	C.3.4.1.3 DOE O 205.1B	Within 60 Days of NTP	Approval
101.	Cyber Security Self-Assessment	C.3.4.1.3 NIST SP 800-53	Annually by March 31	Information
102.	Authorization to Operate (ATO) Designation Request	C.3.4.1.6	Within 15 Days of NTP	Approval
103.	Restoration Priority List	C.3.4.2.10	Within 120 Days of NTP	Approval
104.	Real Property Information	C.3.5.1.1.1 DOE O 430.1B	As Requested	Information
105.	Ten Year Site Plan	C.3.5.1.1.4 DOE O 430.1B	Annually	Approval
106.	Required Documentation to Support Disposition of Government-owned Property	C.3.5.1.2 DOE O 580.1A DOE O 458.1	Per Occurrence	Approval
107.	Required Documentation to Support Disposition of Classified Equipment and Material	C.3.5.1.2 41 CFR 109.45.309-52 DOE O 580.1A	Per Occurrence	Approval
108.	Required Documentation to Support Disposition of High-Risk Property	C.3.5.1.2 DOE O 580.1A	Per Occurrence	Approval
109.	Maintenance Status Updates	C.3.5.2.4.2	As Requested	Information
110.	Weekly Maintenance Report	C.3.5.2.5	Weekly	Information
111.	Preventative Maintenance Program	C.3.5.3.2.1	Within 180 Days of NTP, and when any changes or updates are made	Approval
112.	Space Cleaning Plan	C.3.5.4.3	Within 60 Days of NTP, and when any changes or updates are made	Approval
113.	Mowing Plan	C.3.5.5.4	Within 60 Days of NTP, and annually thereafter	Approval
114.	Paved Surfaces Inspection Report	C.3.5.6.3.3	Annually	Information
115.	Unpaved Surfaces Inspection Report	C.3.5.6.3.4	Annually	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
116.	Bridge Inspection Report	C.3.5.6.3.6 23 CFR 650.301 National Bridge Inspection Standards	Bi-Annually	Information
117.	Snow and Ice Removal Plan	C.3.5.7.3	Within 60 Days of NTP, and Updated Annually by August 30	Approval
118.	Rail and Trestle Inspection Report	C.3.5.8.3.1 49 CFR 213	Within 5 business days of completion of inspections	Information
119.	Railroad Service Schedule	C.3.5.8.3.2 49 CFR 213	Within 30 Days of NTP, and when any changes or updates are made	Approval
120.	License and Permits for Pest Control Services	C.3.5.9.3	Before work commences	Information
121.	Records of Pest Control Operations	C.3.5.9.4	As Requested	Information
122.	Labels and Material Safety Data Sheets	C.3.5.9.5	At least 14 Days prior to use	Approval
123.	Pest Control Inspection Reports	C.3.5.9.6	Within 30 Days following the completion of each inspection	Information
124.	Annual Service Schedules for Pest Control Services	C.3.5.9.6	Within 30 Days of the initial inspection	Approval
125.	Records Management Plan	C.3.6.3 36 CFR Chapter XII, Subchapter B	Within 60 Days of NTP, and when any changes or updates are made	Approval
126.	Image Quality Statistical Sampling Plan	C.3.6.3.1	Within 120 Days of NTP, and when an changes or updates are made	Approval
127.	Records Inventory and File Plan and Updates	C.3.6.4.2 36 CFR Chapter XII, Subchapter B DOE O 243.1B	Initial Plan within 120 Days of NTP and updated annually thereafter	Approval
128.	Vital Records Plan/Inventory and Updates	C.3.6.3.3 36 CFR Chapter XII, Subchapter B DOE O 243.1B	Initial Plan within 120 Days of NTP and updated annually thereafter	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
129.	List of Electronic Information Systems	C.3.6.4.1 DOE O 243.1B	Annually	Information
130.	Records Management Data Call Responses	C.3.6.5.4	In accordance with Section C.3.6	Information
131.	CERCLA and RCRA Administrative Record Indices	C.3.6.5.5 42 USC §9613(k), 40 CFR §300.800, ff. HSWA, 42 U.S.C. 6901	Quarterly	Information
132.	Six-Month Forecast Schedule for Health Physics/Radiological Survey Support	C.3.6.5.6	Quarterly	Information
133.	Records Disposition Plan	C.3.6.6 36 CFR Chapter XII, Subchapter B	Initial Plan within 120 Days of NTP and updated when changes occur	Approval
134.	Training Course Content and Training Schedule	C.3.9	Within 60 Days of NTP, and updated quarterly thereafter	Approval
135.	Energy Employee Occupational Injury Compensation Program Act Records, Claims Information, and Reports	C.3.11 H.49 Public Law 106-398, 42 U.S.C. 7384, *et seq*.	As Requested	Approval
136.	Contract Close-out Plan	C.3.12	6 Months prior to Contract expiration	Approval
CONTRACTOR HUMAN RESOURCES MANAGEMENT				
137.	Pension Management Plan	H.6 DOE O 350.1	Annually within 45 days after the last day of the plan year	Approval
138.	PRB Management Plan	H.6	Annually	Approval
139.	Employee Benefits Value Study	H.6	Every two years	Approval
140.	Employee Benefits Cost Study Comparison	H.6	Annually	Approval
141.	Benefit Corrective Action Plans	H.6	As Required	Approval
142.	Actuarial Valuation Reports	H.6	Annually	Information
143.	ERISA Section 103 Audit Report	H.6	Annually	Information
144.	Copy of IRS Form 5500	H.6	Annually	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
145.	Copy of IRS Form 5300	H.6	Annually	Information
146.	Changes to Pension Plan	H.6	As Required	Approval
147.	Workforce Transition Plan/Agreements	H.7	Multiple Deliverables as Required per H.7	Approval
148.	Benefits Transition Plan	H.7	Multiple Deliverables as Required per H.7	Approval
149.	Collective Bargaining Agreement(s)	H.9	Within 30 Days of Ratification	Information
150.	Economic Parameters for Collective Bargaining	H.9	As Required	Approval
151.	Report of Settlement	H.9	Quarterly (as applicable)	Information
152.	Workforce Restructuring Information and Reports (including a Workforce Restructuring Plan if required)	H.10	As Required	Approval
FINANCIAL/BUDGET				
153.	Report Associated with DOE Orders Regarding Inspector General and General Accounting Office Activities	DOE O 221.1A DOE O 221.2A	As Required	Approval
154.	Federal Managers Financial Integrity Act Report	Public Law 97-255	As Required	Information
155.	Employer's Disclosures about Pensions and Other Postretirement Benefits	Statement of Financial Accounting Standards (SFAS) 87, 106, and 132	As Required, and As Requested	Information
156.	Environmental Liabilities Data	SFFAS 5, 6, and 12 Financial Accounting Standards Advisory Board (FASAB) Technical Bulletin 2006-1	As Requested	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
157.	Environmental, Safety and Health Liabilities Data	SFFAS 5, 6, and 12 Financial Accounting Standards Advisory Board (FASAB) Technical Bulletin 2006-1	As Requested	Information
OTHER DELIVERABLES				
158.	Press Releases	H.18	At least 10 Days prior to planned issue date	Approval
159.	List of Environment, Safety, and Health Approvals	H.19	Within 60 Days of NTP	Information
160.	Annual Information Regarding Sustainable Acquisition	H.21 and H.22	As Requested	Information
161.	Privacy Act Systems of Record Notification	H.29	Annually	Information
162.	Projection of Government Furnished Services and Items	H.39	Within 30 Days of NTP and quarterly thereafter or at least 45 days prior to any amendments to the projection	Information
163.	Notification of Foreign National Participation in Performance of Work	H.50	As Required	Information
164.	OMB Standard Form LLL, Disclosure of Lobbying Activities	I.9	Within 30 days of the end of the calendar quarter in which a change occurs	Information
165.	Code of Business Ethics and Conduct	I.10	Within 30 Days of NTP	Information
166.	Reporting Executive Compensation and First-Tier Subcontract Awards	I.15	Annually	Information
167.	Update of Publicly Available Information Regarding Responsibility Matters	I.19	Semi-annually	Information
168.	Equal Opportunity Compliance Information	I.46	As Requested	Information

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
169.	Equal Opportunity Report (EEO-1)	I.55	Annually by September 30	Information
170.	Affirmative Action Compliance Program	I.55 41 CFR 60	As Required and As Requested	Information
171.	Affirmative Action Program for Veterans and Workers with Disabilities	I.56 and I.57	As Required	Information
172.	Federal Contractor Veterans' Employment Report (VETS-100A Report)	I.58	Annually by September 30	Information
173.	Annual Bio-based Purchases Report	I.67	Annually by October 31	Information
174.	Material Safety Data Sheet	I.68	As Required	Information
175.	Bankruptcy Notification	I.102	As Applicable	Information
176.	Consent to Subcontract	I.105	As Required	Approval
177.	Property Management Plans, Systems, and Procedures	I.108	As Required	Information
178.	Report of Physical Inventory Results (All Government Furnished Property)	I.108	As Required	Information
179.	Reports of Loss, Damage, Destroyed, or Stolen Property	I.108	As Required	Information
180.	Final Physical Completion or Termination Inventory (All Government Furnished Property)	I.108	As Required	Information
181.	Workplace Substance Abuse Program	I.142 10 CFR 707	Within 30 Days of the NTP, and updated annually thereafter or when significant changes occur	Approval
182.	Workplace Substance Abuse Plan Reports	I.142 10 CFR 707	Semi-annually	Information
183.	Employee Assistance Program Implementation Plan	I.142 10 CFR 707	Within 30 Days of the NTP, and when significant changes occur	Approval

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
184.	Annual Report of Sales and Exchange Transactions	41 CFR 102-39.75	Annually	Information
185.	Property Furnished to Non Federal Activities	41 CFR 102-36.295	Annually	Information
186.	Motor Vehicle Fleet Reports	41 CFR 102-34.345 41 CFR 109-38.9	Annually	Information
187.	Basis of Estimate (BOE) Statements		Within 5 Days of Contract Award	Information
	Basis of Estimate (BOE) Statements shall be at the same level of PWS pricing specified in the Section J, Attachment J-10, Exhibit Line Item Numbers. The BOE documents shall support the Contractor's proposed prices by specifically identifying assumptions, as well as the resource quantities (labor hours, material quantities, etc.) and unit rates (labor rates, equipment rental rates, etc.) for all direct cost elements (direct labor, materials, equipment, ODC's, etc.).			

SECTION J, ATTACHMENT J–5
Government Furnished Services and Interface Requirements Matrix

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Services and activities listed in the Paducah Government Furnished Services and Interface Requirements Matrix shall be performed in accordance with the Performance Work Statement. The Paducah Government Furnished Services and Interface Requirements Matrix, identifies the key specific tasks and services that require interface and coordination with other site entities. The Paducah Government Furnished Services and Interface Requirements Matrix may not represent all of the necessary interactions; therefore, the Contractor is responsible to reach agreement with other site entities on any other necessary interfaces and/or the clause of services for the performance of the Contractor's work.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
1	**Safeguards & Security Program.** Develops, conducts, coordinates and maintains the site security program for Personnel Security, Information Security, Physical Security, Program Management, Cyber Security, Classification, site security posture, site protective strategies, all Government Furnished Services and Items (GFS&I), self-assessments and drafts the Annual Comprehensive Self-Assessment Report of all Security Programs to include the review/concurrence and utilization of Nuclear Materials Control and Accountability (NMC&A) and Protective Force assessments provided by the Deactivation Contractor. Additionally, the Infrastructure Contractor trains and appoints derivative classifiers. Security badging encompasses issuance and control of security badges, credentials and shields. Other responsibilities include the administration of the Plant Access Enrollment System, Foreign National Visits and Assignments, Unclassified Visits, Area and Facility access, Contraband Pass issuance and Vehicle Access Placard program. The DOE site contractor is responsible for access control, badging, visitor control, subcontractor badging and management of the Point of Entry process. Perform testing, intrusion detection, entry/access control, locksmith services (lock and key program) for on-site DOE facilities, and engineering and maintenance of installed physical security and access control systems. (C.3.3)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Other site contractors will interface and coordinate with service provider to: ▪ ensure implementation and compliance with current DOE directives, SSP, approved plans; ▪ ensure annual security refresher training is completed; ▪ request approval for foreign national visits and assignments; ▪ coordinate with other site contractors and request support for, as appropriate, regarding S&S programs such as information security, Incidents of Security Concern, visitor control information, physical security, personnel security, classification, cyber security, and program management; ▪ coordinate personnel security service requests with the Officially Designated Security Authority (ODSA) including pre-employee backgrounds, drug testing, and submission of justifications for all clearance activity via Form 238 submission; ▪ ensure a DOE compliant protection strategy exists for the protection of government property and information; and ▪ ensure that personnel maintain access control for their assigned facilities (locking doors and protecting property) consistent with Federal laws, Regulations, Paducah Site Security Plan and the protection strategy developed by the Infrastructure Contractor.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
2	**Network Administration**. Maintain and operate the Paducah Local Area Network (LAN), including maintenance and repair of the site IT infrastructure, network administration, customer service and helpdesk support, cyber security and basic security. Implements DOE and site cyber security requirements, including those specified by the Infrastructure Contractor within its own organization. (C.3.4)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided.
3	**Radio Service.** Maintain the Federal Communications Commission (FCC) radio frequency license, tower, transmission, and radio repair/replacement services to include two-way, fire dispatch, safety and emergency preparedness, security systems and infrastructure radio spectrum licensing and design, engineering integration, operations and maintenance, installation, upgrade and required system calibration services. (C.3.4.2.4)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Interface and provide feedback on system capabilities/availability. Utilize the system in accordance with provider's instructions/procedures. Provide own equipment to access the system. Programming of radios will be at each user's own expense
4	**Emergency Notification Service.** Provide reliable electronic notification service to individual personnel associated with the Paducah Gaseous Diffusion Plant (PGDP) emergency response organizations. (C.3.4.2.5)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided.
5	**Site Telephone System.** Operate and maintain the Paducah Site telephone switching system(s), transmission equipment, and ancillary equipment. (C.3.4.2.6)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Interface and provide feedback on system capabilities/availability. Utilize the system in accordance with provider's instructions/procedures. Provide all end user devices and equipment to connect to the site system at own expense.
6	**User Services.** Perform maintenance and repair of all installed data/communication lines up to and including the end user receptacle (jack or port) and reallocating/reassigning office phone numbers. (C.3.4.2.7)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Responsible for providing the peripheral equipment related to the telephone system for its own personnel (e.g., telephones, headsets, add-on accessories). Other contractors shall install any additional data/communication lines and ports necessary to support its own activities if a sufficient number of ports are not available in the work location.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
7	**System Changes.** Interface with end users on system changes provided by others. (C.3.4.2.11 & 12)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Interface and coordinate with Infrastructure Support Services (ISS) and others on proposed changes. Provide new installation of telecommunications wiring and additional system requirements to support its operations. DUF_6 interface requirement is for any action that will impact the sitewide system and excludes those systems that are independent of PDGP common system.
8	**Voice Mail.** Provide voice mail operations for use by others. (C.3.4.2.13)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Utilize services and interface on needs and service levels provided.
9	**Hardware.** Perform maintenance and repair of all installed data/communication lines, including switches or routers, up to and including the end users receptacle (jack). (C.3.4.3.2.4)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Responsible for procurement of computers and associated hardware and specialty software; along with the installation of any additional data/communication lines and ports necessary to support its own activities in existing and new facilities, if needed.
10	**Work Packages.** Interface with other site contractors to maintain compatibility with all Paducah Site services and systems to include review and approval of work packages and design/configuration plans for system changes/alterations developed by the other site contractors and perform needed risk assessments involved in changes/alterations. (C.3.4.3.2.5)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Interface, coordinate and attain approval of work packages and design/configuration plans for system changes/alterations and perform needed risk assessments involved in changes/alterations. DUF_6 interface requirement is for any action that might impact the site wide system and excludes those systems that are independent of PDGP common system.
11	**Network File Storage.** Provide and manage network file storage to ensure sufficient capacities are allocated to user organizations. (C.3.4.3.2.6)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
12	**Maintenance and Upgrades.** Provide and maintain the LANs and Wireless Local Area Networks (WLANs) as stand-alone systems and provide basic operating software for usage of the LANs and WLANs. (C.3.4.3.2.7)	**DUF_6** ☐ **Remediation** ☒ **Deactivation** ☒ **DOE Technical Support** ☐ Utilize services in accordance with provided procedures and interface on needs and service levels provided. Provide end user devices and applications that contractors will operate on system.
13	**Application Deployment Services.** Provide users listed in Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History***" with enterprise Information Technology (IT) application deployment services to ensure applications can be effectively utilized.	**DUF_6** ☐ **Remediation** ☒ **Deactivation** ☒ **DOE Technical Support** ☐ Utilize services and interface on needs and service levels provided. Network users will be responsible for purchase of local computer hardware and all applications not specifically listed.
14	**Portfolio Management Services.** The Contractor shall provide application portfolio management services to ensure efficient and appropriate utilization of applications and their licenses. The Contractor shall provide core software to all users consistent with to Attachment J-8.C.3.4.2, "***Information Technology System, Application Inventory, & Workload History.***" (C.3.4.3.2.11)	**DUF_6** ☐ **Remediation** ☒ **Deactivation** ☒ **DOE Technical Support** ☐ Utilize services and interface on needs and service levels provided. Users will be responsible for any item not specifically mentioned.
15	**Relocation Services.** Provide intra-site/inter-site office relocation of Paducah Site personnel for DOE and other site contractors (office furnishings and equipment to include but not limited to coordination with site services, e.g., office set-ups, phone, computer, office key, janitorial services, etc.) (C.3.5.1.1.2)	**DUF_6** ☐ **Remediation** ☒ **Deactivation** ☒ **DOE Technical Support** ☒ Utilize services as approved by DOE and interface on needs and service levels provided. Users will be responsible for any item not specifically mentioned.
16	**Radiological Instrumentation.** Calibrate, maintain and perform repairs for personnel and environmental monitoring and surveying equipment assigned to other site contractors per the requirements of 10 CFR § 835, "Occupational Radiation Protection" and DOE O 458.1, "Radiation Protection of the Public and the Environment." (C.3.2.2)	**DUF_6** ☐ **Remediation** ☒ **Deactivation** ☒ **DOE Technical Support** ☐ Utilize services and interface on needs and service levels provided. For portable equipment user will drop off and pick up equipment at provider's on-site facility. For fixed equipment in field, user will coordinate access and service with ISS. Each user will be responsible for replacement of equipment which isn't economically repairable.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
17	**Dosimetry Program**. Provide an internal and external bioassay program that meets the requirements of the National Voluntary Laboratory Accreditation Program (NVLAP) and DOE Laboratory Accreditation Program (DOELAP), and provide services to other contractors. (C.3.2.3)	**DUF_6** [x] **Remediation** [ ] **Deactivation** [x] **DOE Technical Support** [x] Utilize services and interface on needs and service levels provided.
18	**Real Property and FIMS.** Coordinate with other DOE contractors at the Paducah Site to maintain and input data to the Facilities Information Management System (FIMS) database along with overall integration and submission of the Ten Year Site Plan (TYSP) for all site contractors, to include the Site Sustainability Plan.	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Maintain FIMS database to contract standard for assigned facilities. Coordinate/interface with ISS on FIMS data input, participate in pre validation review. Develop comprehensive input to plans for areas of responsibility. Provide input to ISS for integration into site wide ten year plan.
19	**Personal Property.** Coordinate and provide disposition support for Government owned personal property determined to be excess for all PGDP site contractors and DOE operations. (C.3.5.1.2)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Ensure property meets requirements for disposition and dispose of property in accordance with path/method provided by ISS.
20	**Fleet Management.** Coordinate with the other site contractors to provide site-wide, statistical usage tracking, and reporting on General Services Administration (GSA) leased vehicles and DOE-owned vehicles/equipment. (C.3.5.1.3)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Interface with ISS on methods and procedures for information transfer and reporting.
21	**Maintenance Of Buildings, Structures, Installed Equipment, And Furnishings.** Coordinate maintenance, repair, replacement, and minor construction of buildings and structures, related systems, equipment and furnishings with other site contractors that could be impacted as to others operations, or for access to facilities and structures. (C.3.5.3)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Contractors will coordinate its maintenance, repair, replacement, and minor construction of buildings and structures, related systems, equipment and furnishings for which it is responsible with other site contractors that could be impacted as to others operations, or for access to facilities and structures.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
22	**Custodial Maintenance And Sanitary Waste Disposition.** Provide custodian services for active facilities including trash collection, general cleaning, vacuuming, sweeping/ mopping, sanitary waste pick-up and disposal offsite, etc.	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Utilize services and interface on needs and service levels provided. Allow access to facilities for janitorial services. Coordinate with ISS for the provision of janitorial services.
23	**Grounds Maintenance.** Perform, interface and coordinate with others on providing grounds maintenance, including grass cutting, edging, grass trimming, fertilizing, policing grounds, removing leaves, inspecting, and performing minor repairs for areas throughout the PDGP. (C.3.5.5)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Allow access to areas for grounds maintenance services. Coordinate/interface with ISS for on ongoing activities that impact the provision of those services..
24	**Paved, Gravel And Earth Roads, And Yards.** Contractor inspects, schedules, maintains and repairs roadways, surfaced areas, and support facilities. Coordinate with others on activities at the site that impact others use of assets. (C.3.5.6)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Utilize facilities and areas in accordance with procedures and policies with the ISS servicing as the asset manager. Coordinate with ISS and others on need for road closures, upgrades, maintenance requirements.
25	**Snow And Ice Prevention/Removal.** Provide de-icing (removal of snow or ice) and anti-icing from facilities (e.g., entrances, steps, landings, sidewalks, driveways, roadways, parking areas, and handicapped accessibility areas) at the PGDP that includes areas/facilities that are assigned to others. (C.3.5.7)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Utilize services and interface on needs and service levels provided. Input to the annual snow removal plan. Allow access to areas for snow and ice prevention/removal. Coordinate/interface with ISS for on ongoing activities that impact the provision of those services.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
26	**Railroad System Maintenance And Repair.** Manages the overall rail maintenance, planning, operation, and coordination of rail movements on site. Determines requirements for future use on the site and coordinates with contractors. Operates and maintains the rail system. Coordinates with appropriate shared-site contractors prior to and during any on-site rail movements, including ensuring placement of "flaggers" at necessary intersections, taking proper security actions, and making site notifications. Coordinate the operation**,** inspection and perform maintenance, repair and minor improvements of the railroad tracks at the PGDP. (C.3.5.8)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Coordinate usage of rail system as needed with the Rails operations manager, ISS. Identify required maintenance. Coordinate with ISS and others on need for closures, upgrades, maintenance requirements. Each contractor responsible for upgrade of inactive track if use is required for its operation. Upgrade will be coordinate and concurred upon by ISS.
27	**Pest Control Services.** Provide pest control services for active buildings, trailers, and other structures and facilities (OSF) including insect pest control spraying and rodent control services, etc. (C.3.5.9)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Utilize services and interface on needs and service levels provided. Coordinate for routine control and initiates requests for non-routine nuisance control Allow access to areas for pest control services. Coordinate/interface with ISS for on ongoing activities that impact the provision of those services.
28	**Records Management and Document Control.** Maintain the central repository, process and track classified mail. Scan all records, and maintain and administer searchable database. (C.3.6)	**DUF_6** [ ] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Provide required copies of documents for filing/retention to the ISS.
29	**Environmental Information Center Operations.** Operate and maintain the Environmental Information Center (EIC). (C.3.8)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [ ] Designate and provide documents for placement of documents in the Paducah EIC, as applicable.

Section 1: Services Provided by the Infrastructure Support Services Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
30	**Training Services.** Providing training in the areas of Consolidated Annual Training, and Mandatory training including: General Employee Training, RAD Worker I and II, Annual Security Refresher, Workplace Violence, Diversity, Employee Conduct, Business Ethics/Standards of Conduct, Quality Assurance (QA) Overview, Environmental Management Systems Overview, Fire Extinguisher Training, DOE Orders/Work Smart Standards and Integrated Safety Management System (ISMS). (C.3.9)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Coordinate schedule and provision of training schedule for workforce. Track training status and notify employees of training needs. Provide project specific input for incorporation into training modules.
31	**On-Site Fueling Service.** Provide on-site refueling capability through on-site fueling stations for DOE and other site contractors. Invoice and collect for the cost of the fuel on first-in-first-out (FIFO) cost basis to each user, including other site contractors, GSA, DOE, etc. (C.3.10)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Utilize systems in accordance with provider's procedures and reimburse for fuel usage on a FIFO cost basis within 5 business days of invoice from the ISS.
32	**Energy Employees Occupational Injury Compensation Program Act.** Provide information to verify employment histories, provide medical records, radiation dose records and other records related for any individual as requested. (C.3.11)	**DUF_6** [x] **Remediation** [x] **Deactivation** [x] **DOE Technical Support** [x] Each contractor shall comply with its contract requirements and coordinate with others as required.

Section 2: Services Provided by the Deactivation Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
1	**Nuclear Materials Control and Accountability.** Integrate, develop, maintain and implement the Paducah Site Nuclear Materials Control and Accountability (NMC&A) program, including compliance with DOE Orders (e.g., NMC&A organizational independence from nuclear materials operations). The Contractor will develop and maintain the contractor NMC&A Plan and will assist other DOE/Paducah contractors, in the development of required NMC&A plans and procedures if requested. The Contractor conducts assessments of the NMC&A program, develops corrective action plans and provides to the ODSA for inclusion in the Annual Comprehensive Self-Assessment Report submitted to the ODFSA/CSA. In coordination with the ODSA, the Contractor will develop and provide the NMC&A program section of the SSP. The Contractor provides information to the DOE site contractor about security arrangements and/or changes prior to new or changing operations commencing or configurations that might alter the performance of existing security system.	**DUF_6** [x] **Remediation** [x] **ISS** [ ] **DOE Technical Support** [ ] Maintain NMC&A information in accordance with the site program and provide data to the Deactivation Contractor. The ODSA (ISS) will develop protective measure approaches and strategies for physical protection related to safeguarding Paducah nuclear materials and NMC&A-related classified matter. Other site contractors will be signatories to all contractor NMC&A plans at Paducah.
2	**Shared Site Process**. Manage and host the Shared Site Process meetings	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [x] Participate in the Shared Site Process.
3	**Lock & Tag.** Manage and maintain the Master Lock & Tag Program. Manage and coordinate utility outages with other site contractors.	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [ ] Coordinate need for utility outages with other site contractors/users.

Section 2: Services Provided by the Deactivation Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
5	**Emergency Operations.** Emergency Operations consists of the site-wide Emergency Preparedness program, which includes operation of the Emergency Operations Center (EOC), hazard surveys and hazard assessments, training of EOC staff, site-wide emergency exercises, and facility specific plans and procedures for emergency preparedness development, training, drills and assessments. The EOC activity also includes Occurrence Notification Center to report environmental, safety, and health events and related information directly to DOE. After transition from USEC, manage the EOC and related emergency operations for the site. Adopt, develops, maintain, and execute an Emergency Management Program and Plan.	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [ ] Participate in the site's Emergency Operations Program.
6	**Water Systems**. The management of the plant utility consisting of a system to distribute on-site fire suppression and potable water to the site facilities. After transition from USEC, operate and maintain the site-wide water systems on site in accordance with all the applicable State and federal codes and regulations: fire protection water system, domestic water systems.	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Utilize and train employees on fire suppression systems.
7	**Wastewater Systems**. Wastewater Systems is defined as the management of the on-site plant utility consisting of a system to collect, treat, and dispose of sanitary wastewater from the site facilities. Operates the wastewater systems on site in accordance with all the applicable State and federal codes and regulations.	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Provide input for required operations and maintenance of systems
8	**Electrical Transmission, Distribution, & Energy Management**. Electrical Transmission, Distribution, & Energy Management is defined as the management of the high voltage electrical plant utility consisting of a system for providing power to the on-site facilities. Coordinates with contractors to obtain the following: Energy cost and consumption data for the Energy Management Annual Report and the quarterly energy cost and consumption data entry to EMS4 database. Protects the systems against disruption and damage during performance of work and supports utility operations, maintenance, and closure of a service where appropriate.	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Provide input for required operations and maintenance of systems

Section 2: Services Provided by the Deactivation Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
9	**Natural Gas.** Natural Gas is defined as the management of the natural gas utility consisting of a system to distribute natural gas to the on-site facilities. Coordinate with contractors to obtain the following: Energy cost and consumption data for the Energy Management Annual Report and the quarterly energy cost and consumption data entry to EMS database. Protects the systems against disruption and damage during performance of work and supports utility operations, maintenance, and closure of a service where appropriate.	**DUF_6** [ ] **Remediation** [ ] **ISS** [x] **DOE Technical Support** [ ] Utilize services and interface on needs and service levels provided. Provide input for required operations and maintenance of systems
10	**Protective Force Program.** Optimize and provide Protective Forces for facilities possessing critical Safeguards and Security interests. Manages, maintains, develops and supervises the Protective (PF) Force Program. This includes post orders, providing personnel and equipment required for support of the protective strategy developed by the ODSA. Ensures PF personnel are trained and equipped to DOE requirements for the task and providing operational procedures for the safe, efficient and effective implementation of the DOE-approved, ODSA Site Security Plan. The contractor will conduct self-assessments of the PF program and provide self-assessment reports and any resulting corrective action plans to the ODSA for inclusion in the Annual Comprehensive Site Assessment Report submitted to the DOE ODFSA/ODSA. In coordination with the ODSA the contractor will develop and provide the PF program section of the SSP. Optimize and provide Protective Forces for facilities possessing critical Safeguards and Security interests.	**DUF_6** [x] **Remediation** [x] **ISS** [x] **DOE Technical Support** [x] ODSA (ISS) develops the protective strategy for the Protective Force to implement in their PF program and post orders. The ODSA will provide requirements for Classified Matter Protection and Control patrols/checks. Develop the Performance Assurance Plan, LSPT schedules, and development Force on Force exercises. Include the Deactivation contractors PF program assessments and Corrective action plans into the Annual Comprehensive report to the ODFSA/ODSA. The ODSA will provide the deactivation contractor the opportunity to develop the Protective Force Program section of the Site Security Plan.

Section 3: Services Provided by the DUF6 Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
1	**Cylinder Management.** Manage the DOE UF_6 cylinder inventory, including cylinder inspections, on-site transportation of cylinders, and maintenance of the existing UF_6 cylinder yards. Take receipt of newly generated DUF_6 cylinders.	**ISS** ☐ **Remediation** ☐ **Deactivation** ☒ **DOE Technical Support** ☐ Identifies cylinder yard storage needs or necessary on-site transportation of cylinders.

Section 4: Services Provided by the Remediation Contractor		
Item	***Activity/Service Provided***	***Other Contractor Interface Requirement***
1	**Environmental Monitoring.** Perform environmental monitoring services both on-site and off-site of air, soils, and water. Develop and maintain the ASER, NESHAPs, and other site-wide environmental reports	**ISS** [x] **DUF6** [x] **Deactivation** [x] **DOE Technical Support** [ ] Support activities required for environmental monitoring and reporting. Provide input to the ASER, NESHAPs, and other site-wide reports as applicable
2	**Mail Services.** Provide central locations and receptacles for collection and delivery of site mail.	**ISS** [x] **DUF6** [ ] **Deactivation** [x] **DOE Technical Support** [ ] Daily pick-up and drop-off of external mail at the mailroom.
3	**Environmental Permits.** Maintain and input project activities into applicable environmental permits and licenses (e.g., KPDES, CAA, etc.).	**ISS** [ ] **DUF6** [x] **Deactivation** [x] **DOE Technical Support** [ ] Coordinate with Remediation Contractor to incorporate activities into applicable site environmental permits and licenses.
4	**Environmental Regulatory Management** (site-wide permits, permit applications, and reports; site-wide NEPA documents; site-wide environmental reports). Administers the site program for this activity. Provides required environmental information to support regulatory compliance and is responsible for compliance in areas under its cognizance, including NEPA. Provides required air and liquid effluents and near facility environmental monitoring; collects, compiles, and/or integrates air and liquid effluent monitoring data from operations and activities under its control. Provides environmental data to support the Annual Paducah Environmental Reports. Integrates its environmental permitting and regulatory compliance activities with the Paducah-wide permitting and compliance framework.	**ISS** [x] **DUF6** [x] **Deactivation** [x] **DOE Technical Support** [ ] Provide input to the document development and reporting process. Provide assistance to other site with transfer of existing permits or development of new permits that may be necessary as a result of changing project activities or new regulations. Support site Pollution Prevention/Waste Minimization Programs, including providing input into site programmatic environmental documents.

Section 5: Services Provided by the Environmental Technical Services Contractor (or Other Site Contractor)		
Item	***Activity***	***Other Contractor Interface Requirement***
1	**Project Management.** Maintain the site-wide, integrated life-cycle baseline.	**ISS** [x] **DUF6** [x] **Deactivation** [x] **Remediation** [x] Provide input to the site-wide, integrated life-cycle baseline as applicable.

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WD 05-2495 (Rev.-17) was first posted on www.wdol.gov on 08/05/2014

REGISTER OF WAGE DETERMINATIONS UNDER THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON D.C. 20210

Wage Determination No.: 2005-2495
Revision No.: 17
Date Of Revision: 07/25/2014

Diane C. Koplewski
Director

Division of
Wage Determinations

States: Arkansas, Kentucky, Mississippi, Tennessee

Area: Arkansas Counties of Craighead, Crittenden, Cross, Lee, Mississippi, Poinsett, St Francis
Kentucky Counties of Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, Marshall, McCracken
Mississippi Counties of Benton, De Soto, Marshall, Tippah
Tennessee Counties of Benton, Carroll, Chester, Crockett, Decatur, Dyer, Fayette, Gibson, Hardeman, Hardin, Haywood, Henderson, Henry, Lake, Lauderdale, Madison, McNairy, Obion, Shelby, Tipton, Weakley

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE - TITLE	FOOTNOTE	RATE
01000 - Administrative Support And Clerical Occupations		
01011 - Accounting Clerk I		13.78
01012 - Accounting Clerk II		15.47
01013 - Accounting Clerk III		17.30
01020 - Administrative Assistant		21.69
01040 - Court Reporter		17.00
01051 - Data Entry Operator I		11.67
01052 - Data Entry Operator II		12.72
01060 - Dispatcher, Motor Vehicle		17.47
01070 - Document Preparation Clerk		12.64
01090 - Duplicating Machine Operator		12.64
01111 - General Clerk I		12.56
01112 - General Clerk II		13.71
01113 - General Clerk III		15.47
01120 - Housing Referral Assistant		20.25
01141 - Messenger Courier		11.61
01191 - Order Clerk I		12.37
01192 - Order Clerk II		13.50
01261 - Personnel Assistant (Employment) I		15.20
01262 - Personnel Assistant (Employment) II		17.00
01263 - Personnel Assistant (Employment) III		19.71
01270 - Production Control Clerk		20.56
01280 - Receptionist		13.23
01290 - Rental Clerk		15.13
01300 - Scheduler, Maintenance		15.74
01311 - Secretary I		15.74
01312 - Secretary II		17.61
01313 - Secretary III		19.63
01320 - Service Order Dispatcher		15.81
01410 - Supply Technician		20.59
01420 - Survey Worker		17.19
01531 - Travel Clerk I		12.72
01532 - Travel Clerk II		13.54

01533 - Travel Clerk III	14.58
01611 - Word Processor I	12.06
01612 - Word Processor II	15.20
01613 - Word Processor III	17.17
05000 - Automotive Service Occupations	
05005 - Automobile Body Repairer, Fiberglass	19.85
05010 - Automotive Electrician	19.23
05040 - Automotive Glass Installer	17.17
05070 - Automotive Worker	17.21
05110 - Mobile Equipment Servicer	15.07
05130 - Motor Equipment Metal Mechanic	19.23
05160 - Motor Equipment Metal Worker	17.21
05190 - Motor Vehicle Mechanic	19.23
05220 - Motor Vehicle Mechanic Helper	13.97
05250 - Motor Vehicle Upholstery Worker	17.21
05280 - Motor Vehicle Wrecker	17.21
05310 - Painter, Automotive	18.23
05340 - Radiator Repair Specialist	17.21
05370 - Tire Repairer	11.65
05400 - Transmission Repair Specialist	18.98
07000 - Food Preparation And Service Occupations	
07010 - Baker	11.90
07041 - Cook I	9.36
07042 - Cook II	10.99
07070 - Dishwasher	8.88
07130 - Food Service Worker	8.88
07210 - Meat Cutter	13.65
07260 - Waiter/Waitress	8.52
09000 - Furniture Maintenance And Repair Occupations	
09010 - Electrostatic Spray Painter	16.21
09040 - Furniture Handler	10.74
09080 - Furniture Refinisher	16.21
09090 - Furniture Refinisher Helper	12.97
09110 - Furniture Repairer, Minor	15.27
09130 - Upholsterer	17.53
11000 - General Services And Support Occupations	
11030 - Cleaner, Vehicles	9.86
11060 - Elevator Operator	10.58
11090 - Gardener	14.17
11122 - Housekeeping Aide	10.25
11150 - Janitor	11.16
11210 - Laborer, Grounds Maintenance	11.36
11240 - Maid or Houseman	9.21
11260 - Pruner	10.11
11270 - Tractor Operator	14.85
11330 - Trail Maintenance Worker	11.36
11360 - Window Cleaner	12.03
12000 - Health Occupations	
12010 - Ambulance Driver	17.06
12011 - Breath Alcohol Technician	16.61
12012 - Certified Occupational Therapist Assistant	19.86
12015 - Certified Physical Therapist Assistant	19.86
12020 - Dental Assistant	14.62
12025 - Dental Hygienist	28.57
12030 - EKG Technician	19.34
12035 - Electroneurodiagnostic Technologist	19.34
12040 - Emergency Medical Technician	17.06
12071 - Licensed Practical Nurse I	14.84
12072 - Licensed Practical Nurse II	16.61
12073 - Licensed Practical Nurse III	18.52
12100 - Medical Assistant	12.88
12130 - Medical Laboratory Technician	16.05

12160 - Medical Record Clerk		13.06
12190 - Medical Record Technician		14.61
12195 - Medical Transcriptionist		16.52
12210 - Nuclear Medicine Technologist		30.80
12221 - Nursing Assistant I		9.64
12222 - Nursing Assistant II		10.84
12223 - Nursing Assistant III		11.83
12224 - Nursing Assistant IV		13.75
12235 - Optical Dispenser		15.66
12236 - Optical Technician		13.51
12250 - Pharmacy Technician		13.61
12280 - Phlebotomist		13.75
12305 - Radiologic Technologist		24.12
12311 - Registered Nurse I		25.41
12312 - Registered Nurse II		30.43
12313 - Registered Nurse II, Specialist		30.43
12314 - Registered Nurse III		36.80
12315 - Registered Nurse III, Anesthetist		36.80
12316 - Registered Nurse IV		44.11
12317 - Scheduler (Drug and Alcohol Testing)		20.36
13000 - Information And Arts Occupations		
13011 - Exhibits Specialist I		16.04
13012 - Exhibits Specialist II		19.79
13013 - Exhibits Specialist III		24.21
13041 - Illustrator I		16.96
13042 - Illustrator II		19.79
13043 - Illustrator III		24.21
13047 - Librarian		21.91
13050 - Library Aide/Clerk		11.83
13054 - Library Information Technology Systems Administrator		19.79
13058 - Library Technician		13.07
13061 - Media Specialist I		14.28
13062 - Media Specialist II		15.97
13063 - Media Specialist III		17.81
13071 - Photographer I		14.68
13072 - Photographer II		17.85
13073 - Photographer III		20.68
13074 - Photographer IV		23.22
13075 - Photographer V		28.10
13110 - Video Teleconference Technician		18.06
14000 - Information Technology Occupations		
14041 - Computer Operator I		16.64
14042 - Computer Operator II		18.67
14043 - Computer Operator III		20.82
14044 - Computer Operator IV		23.14
14045 - Computer Operator V		25.61
14071 - Computer Programmer I		21.66
14072 - Computer Programmer II		26.85
14073 - Computer Programmer III	(see 1)	
14074 - Computer Programmer IV	(see 1)	
14101 - Computer Systems Analyst I	(see 1)	
14102 - Computer Systems Analyst II	(see 1)	
14103 - Computer Systems Analyst III	(see 1)	
14150 - Peripheral Equipment Operator		16.64
14160 - Personal Computer Support Technician		21.44
15000 - Instructional Occupations		
15010 - Aircrew Training Devices Instructor (Non-Rated)		27.88
15020 - Aircrew Training Devices Instructor (Rated)		36.76
15030 - Air Crew Training Devices Instructor (Pilot)		40.44
15050 - Computer Based Training Specialist / Instructor		27.88
15060 - Educational Technologist		24.67

15070 - Flight Instructor (Pilot)	40.44
15080 - Graphic Artist	23.07
15090 - Technical Instructor	21.83
15095 - Technical Instructor/Course Developer	26.71
15110 - Test Proctor	17.62
15120 - Tutor	17.62
16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations	
16010 - Assembler	9.06
16030 - Counter Attendant	9.06
16040 - Dry Cleaner	11.68
16070 - Finisher, Flatwork, Machine	9.06
16090 - Presser, Hand	9.06
16110 - Presser, Machine, Drycleaning	9.06
16130 - Presser, Machine, Shirts	9.06
16160 - Presser, Machine, Wearing Apparel, Laundry	9.06
16190 - Sewing Machine Operator	12.50
16220 - Tailor	13.31
16250 - Washer, Machine	10.02
19000 - Machine Tool Operation And Repair Occupations	
19010 - Machine-Tool Operator (Tool Room)	16.24
19040 - Tool And Die Maker	19.37
21000 - Materials Handling And Packing Occupations	
21020 - Forklift Operator	13.10
21030 - Material Coordinator	20.56
21040 - Material Expediter	20.56
21050 - Material Handling Laborer	13.47
21071 - Order Filler	11.07
21080 - Production Line Worker (Food Processing)	13.10
21110 - Shipping Packer	14.59
21130 - Shipping/Receiving Clerk	14.59
21140 - Store Worker I	10.43
21150 - Stock Clerk	14.76
21210 - Tools And Parts Attendant	13.35
21410 - Warehouse Specialist	13.35
23000 - Mechanics And Maintenance And Repair Occupations	
23010 - Aerospace Structural Welder	22.88
23021 - Aircraft Mechanic I	21.79
23022 - Aircraft Mechanic II	22.88
23023 - Aircraft Mechanic III	24.02
23040 - Aircraft Mechanic Helper	14.19
23050 - Aircraft, Painter	20.60
23060 - Aircraft Servicer	16.34
23080 - Aircraft Worker	17.40
23110 - Appliance Mechanic	17.27
23120 - Bicycle Repairer	11.39
23125 - Cable Splicer	23.89
23130 - Carpenter, Maintenance	16.39
23140 - Carpet Layer	16.87
23160 - Electrician, Maintenance	20.81
23181 - Electronics Technician Maintenance I	21.17
23182 - Electronics Technician Maintenance II	22.66
23183 - Electronics Technician Maintenance III	24.13
23260 - Fabric Worker	15.27
23290 - Fire Alarm System Mechanic	18.55
23310 - Fire Extinguisher Repairer	14.10
23311 - Fuel Distribution System Mechanic	19.65
23312 - Fuel Distribution System Operator	17.03
23370 - General Maintenance Worker	16.68
23380 - Ground Support Equipment Mechanic	19.81
23381 - Ground Support Equipment Servicer	14.85
23382 - Ground Support Equipment Worker	15.82
23391 - Gunsmith I	14.10

23392 - Gunsmith II	16.42
23393 - Gunsmith III	18.72
23410 - Heating, Ventilation And Air-Conditioning Mechanic	20.18
23411 - Heating, Ventilation And Air Contditioning Mechanic (Research Facility)	23.55
23430 - Heavy Equipment Mechanic	19.09
23440 - Heavy Equipment Operator	17.47
23460 - Instrument Mechanic	18.97
23465 - Laboratory/Shelter Mechanic	17.58
23470 - Laborer	12.46
23510 - Locksmith	18.24
23530 - Machinery Maintenance Mechanic	20.73
23550 - Machinist, Maintenance	18.60
23580 - Maintenance Trades Helper	13.65
23591 - Metrology Technician I	18.97
23592 - Metrology Technician II	20.10
23593 - Metrology Technician III	21.32
23640 - Millwright	19.53
23710 - Office Appliance Repairer	17.58
23760 - Painter, Maintenance	17.49
23790 - Pipefitter, Maintenance	19.62
23810 - Plumber, Maintenance	18.80
23820 - Pneudraulic Systems Mechanic	18.72
23850 - Rigger	18.35
23870 - Scale Mechanic	16.42
23890 - Sheet-Metal Worker, Maintenance	18.72
23910 - Small Engine Mechanic	17.13
23931 - Telecommunications Mechanic I	21.79
23932 - Telecommunications Mechanic II	23.09
23950 - Telephone Lineman	20.01
23960 - Welder, Combination, Maintenance	18.00
23965 - Well Driller	19.79
23970 - Woodcraft Worker	18.72
23980 - Woodworker	14.10
24000 - Personal Needs Occupations	
24570 - Child Care Attendant	11.22
24580 - Child Care Center Clerk	14.11
24610 - Chore Aide	8.83
24620 - Family Readiness And Support Services Coordinator	12.32
24630 - Homemaker	16.62
25000 - Plant And System Operations Occupations	
25010 - Boiler Tender	23.36
25040 - Sewage Plant Operator	19.58
25070 - Stationary Engineer	23.36
25190 - Ventilation Equipment Tender	15.83
25210 - Water Treatment Plant Operator	19.58
27000 - Protective Service Occupations	
27004 - Alarm Monitor	13.59
27007 - Baggage Inspector	10.51
27008 - Corrections Officer	19.23
27010 - Court Security Officer	18.53
27030 - Detection Dog Handler	12.35
27040 - Detention Officer	19.23
27070 - Firefighter	16.97
27101 - Guard I	9.93
27102 - Guard II	12.35
27131 - Police Officer I	21.51
27132 - Police Officer II	22.53
28000 - Recreation Occupations	
28041 - Carnival Equipment Operator	10.40

28042 - Carnival Equipment Repairer	11.21
28043 - Carnival Equpment Worker	7.99
28210 - Gate Attendant/Gate Tender	13.81
28310 - Lifeguard	10.82
28350 - Park Attendant (Aide)	15.45
28510 - Recreation Aide/Health Facility Attendant	11.28
28515 - Recreation Specialist	12.69
28630 - Sports Official	12.31
28690 - Swimming Pool Operator	12.75
29000 - Stevedoring/Longshoremen Occupational Services	
29010 - Blocker And Bracer	16.29
29020 - Hatch Tender	16.29
29030 - Line Handler	16.29
29041 - Stevedore I	15.93
29042 - Stevedore II	17.99
30000 - Technical Occupations	
30010 - Air Traffic Control Specialist, Center (HFO) (see 2)	35.77
30011 - Air Traffic Control Specialist, Station (HFO) (see 2)	24.66
30012 - Air Traffic Control Specialist, Terminal (HFO) (see 2)	27.16
30021 - Archeological Technician I	16.54
30022 - Archeological Technician II	18.50
30023 - Archeological Technician III	22.93
30030 - Cartographic Technician	22.93
30040 - Civil Engineering Technician	20.36
30061 - Drafter/CAD Operator I	16.54
30062 - Drafter/CAD Operator II	18.50
30063 - Drafter/CAD Operator III	20.64
30064 - Drafter/CAD Operator IV	25.39
30081 - Engineering Technician I	17.14
30082 - Engineering Technician II	18.54
30083 - Engineering Technician III	21.52
30084 - Engineering Technician IV	25.66
30085 - Engineering Technician V	30.95
30086 - Engineering Technician VI	37.45
30090 - Environmental Technician	21.22
30210 - Laboratory Technician	19.58
30240 - Mathematical Technician	22.93
30361 - Paralegal/Legal Assistant I	18.81
30362 - Paralegal/Legal Assistant II	22.31
30363 - Paralegal/Legal Assistant III	27.20
30364 - Paralegal/Legal Assistant IV	33.01
30390 - Photo-Optics Technician	22.93
30461 - Technical Writer I	22.46
30462 - Technical Writer II	27.48
30463 - Technical Writer III	33.24
30491 - Unexploded Ordnance (UXO) Technician I	22.74
30492 - Unexploded Ordnance (UXO) Technician II	27.51
30493 - Unexploded Ordnance (UXO) Technician III	32.97
30494 - Unexploded (UXO) Safety Escort	22.74
30495 - Unexploded (UXO) Sweep Personnel	22.74
30620 - Weather Observer, Combined Upper Air Or Surface Programs	20.64
30621 - Weather Observer, Senior	23.38
31000 - Transportation/Mobile Equipment Operation Occupations	
31020 - Bus Aide	11.67
31030 - Bus Driver	16.73
31043 - Driver Courier	13.20
31260 - Parking and Lot Attendant	8.51
31290 - Shuttle Bus Driver	13.89
31310 - Taxi Driver	10.04
31361 - Truckdriver, Light	13.89
31362 - Truckdriver, Medium	15.04

31363 - Truckdriver, Heavy	20.14
31364 - Truckdriver, Tractor-Trailer	20.14
99000 - Miscellaneous Occupations	
99030 - Cashier	8.92
99050 - Desk Clerk	9.53
99095 - Embalmer	24.26
99251 - Laboratory Animal Caretaker I	11.95
99252 - Laboratory Animal Caretaker II	13.40
99310 - Mortician	24.26
99410 - Pest Controller	15.45
99510 - Photofinishing Worker	11.96
99710 - Recycling Laborer	15.49
99711 - Recycling Specialist	16.25
99730 - Refuse Collector	13.79
99810 - Sales Clerk	11.81
99820 - School Crossing Guard	11.66
99830 - Survey Party Chief	19.49
99831 - Surveying Aide	12.77
99832 - Surveying Technician	17.49
99840 - Vending Machine Attendant	12.67
99841 - Vending Machine Repairer	15.76
99842 - Vending Machine Repairer Helper	12.54

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: $4.02 per hour or $160.80 per week or $696.79 per month

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of ten paid holidays per year, New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4174)

THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:

1) COMPUTER EMPLOYEES: Under the SCA at section 8(b), this wage determination does not apply to any employee who individually qualifies as a bona fide executive, administrative, or professional employee as defined in 29 C.F.R. Part 541. Because most Computer System Analysts and Computer Programmers who are compensated at a rate not less than $27.63 (or on a salary or fee basis at a rate not less than $455 per week) an hour would likely qualify as exempt computer professionals, (29 C.F.R. 541. 400) wage rates may not be listed on this wage determination for all occupations within those job families. In addition, because this wage determination may not list a wage rate for some or all occupations within those job families if the survey data indicates that the prevailing wage rate for the occupation equals or exceeds $27.63 per hour conformances may be necessary for certain nonexempt employees. For example, if an individual employee is nonexempt but nevertheless performs duties within the scope of one of the Computer Systems Analyst or Computer Programmer occupations for which this wage determination does not specify an SCA wage rate,

then the wage rate for that employee must be conformed in accordance with the conformance procedures described in the conformance note included on this wage determination.

Additionally, because job titles vary widely and change quickly in the computer industry, job titles are not determinative of the application of the computer professional exemption. Therefore, the exemption applies only to computer employees who satisfy the compensation requirements and whose primary duty consists of:

(1) The application of systems analysis techniques and procedures, including consulting with users, to determine hardware, software or system functional specifications;

(2) The design, development, documentation, analysis, creation, testing or modification of computer systems or programs, including prototypes, based on and related to user or system design specifications;

(3) The design, documentation, testing, creation or modification of computer programs related to machine operating systems; or

(4) A combination of the aforementioned duties, the performance of which requires the same level of skills. (29 C.F.R. 541.400).

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordinance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordance, explosives, and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual

cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of $3.35 per week (or $.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations", Fifth Edition, April 2006, unless otherwise indicated. Copies of the Directory are available on the Internet. A links to the Directory may be found on the WHD home page at http://www.dol.gov/esa/whd/ or through the Wage Determinations On-Line (WDOL) Web site at http://wdol.gov/.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE (Standard Form 1444 (SF 1444))

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C)(vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).

2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or

notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

>

General Decision Number: KY140040 08/01/2014 KY40

Superseded General Decision Number: KY20130040

State: Kentucky

Construction Type: Building

County: McCracken County in Kentucky.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Modification Number	Publication Date
0	01/03/2014
1	06/20/2014
2	07/04/2014
3	07/18/2014
4	08/01/2014

ASBE0037-009 04/01/2013

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR	$ 29.99	15.42

BRIN0004-013 04/01/2010

	Rates	Fringes
BRICKLAYER	$ 27.97	12.53

CARP0357-004 06/01/2014

	Rates	Fringes
CARPENTER (Includes Acoustical Ceiling Installation, Batt and Foam Insulation, Drywall Hanging, Metal Stud Installation, and Form Work)	$ 21.44	15.57

ELEC0816-004 06/01/2014

	Rates	Fringes
ELECTRICIAN (Including Low Voltage Wiring)	$ 30.82	25.5%+5.85

ENGI0181-039 07/01/2014

	Rates	Fringes
POWER EQUIPMENT OPERATOR:		

Backhoe/Excavator/Trackhoe,
Bobcat/Skid Steer/Skid
Loader, Bulldozer, Cherry
Picker, Crane, Forklift,
Front End Loader,
Grader/Blade.....$ 28.13 14.15
Oiler.....$ 24.31 14.15

CRANE WITH BOOM 150 FEET AND OVER, INCLUDING JIB, SHALL RECEIVE $1.00 ABOVE GROUP 1; 225 FEET AND OVER, INCLUDING JIB, SHALL RECEIVE $1.50 ABOVE RATE

CRANE USING PILING LEADS SHALL RECEIVE $1.00 ABOVE RATE, REGARDLESS OF BOOM LENGTH

HAZARDOUS PAY:
Level A Personal Protective Equipment $1.00 Premium
Level B Personal Protective Equipment $ .75 Premium
Level C Personal Protective Equipment $ .50 Premium
Level D Personal Protective Equipment - No Premium

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* IRON0782-007 05/01/2014

	Rates	Fringes
IRONWORKER, ORNAMENTAL, REINFORCING AND STRUCTURAL.....	$ 25.50	19.02

LABO1214-004 07/01/2014

	Rates	Fringes
LABORER		
Common or General.....	$ 20.50	11.65
Grade Checker, Mason		
Tender - Brick, Mason		
Tender - Cement/Concrete....	$ 20.70	11.65

PAIN0500-006 07/01/2014

	Rates	Fringes
PAINTER: Brush and Roller.....	$ 20.20	12.05

PLAS0135-002 07/01/2012

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	$ 22.90	13.55

PLUM0184-005 07/01/2013

	Rates	Fringes
PIPEFITTER (Including HVAC Pipe Installation).....	$ 33.11	14.83

PLUM0184-008 07/01/2013

	Rates	Fringes
PLUMBER (Excluding HVAC Pipe Installation)	$ 33.11	14.83

SFKY0669-003 07/01/2013

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)	$ 30.14	17.12

SHEE0110-017 12/01/2013

	Rates	Fringes
SHEET METAL WORKER (Including HVAC Duct Installation)	$ 28.66	18.03

SUKY2010-081 07/30/2010

	Rates	Fringes
ROOFER	$ 16.42	1.50

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable , i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination.

The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

REGISTER OF WAGE DETERMINATION UNDER THE SERVICE CONTRACT ACT By direction of the Secretary of Labor	U.S. DEPARTMENT OF LABOR EMPLOYMENT STANDARDS ADMINISTRATION WAGE AND HOUR DIVISION WASHINGTON D.C. 20210
Diane Koplewski Director — Division of Wage Determinations	Wage Determination No.: CBA-2009-2743 Revision No.: 2 Date Of Last Revision: 2/18/2014

State: Kentucky

Area: McCracken

Employed on Department of Energy contract for Infrastructure Support Services.

Collective Bargaining Agreement between contractor: Swift & Staley Mechanical Contractors, Inc., and union: United Steel, Paper and Forestry, Rubber, Manufacturing, Energy, Local 550, effective 4/29/2010 through 7/31/2015.

In accordance with Section 2(a) and 4(c) of the Service Contract Act, as amended, employees employed by the contractor(s) in performing services covered by the Collective Bargaining Agreement(s) are to be paid wage rates and fringe benefits set forth in the current collective bargaining agreement and modified extension agreement(s).

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8 Table of Contents

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

Attachment J-8 Table of Contents

Attachment	Name
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J-8.C.2.5.2	Summary of Additional Government Furnished Property
J-8.C.3.0	Listing of Facilities Responsibility Matrix
J-8.C.3.2.2	Listing of Other Site Contractors' Equipment being Maintained
J-8.C.3.2.3	Quantity of Personnel Active in Radiological Monitoring Program(s)
J-8.C.3.3a	Security Services Workload History
J-8.C.3.3.3	Automated Access Control System Listing
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J-8.C.3.4.2	Information Technology System, Application Inventory, & Workload History
J-8.C.3.5.1.3	Fleet Vehicles
J-8.C.3.5.2.2.2	Estimated Annual Level II Service Order(s)
J-8.C.3.5.3a	Characteristics for Facilities for Surveillance and Maintenance, Others
J-8.C.3.5.3b	Characteristics for Facilities for Surveillance and Maintenance, Assigned
J-8.C.3.5.3c	Maintenance Requirements for Buildings, Structures, Installed Equipment, System(s) and Components
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J-8.C.3.5.3.2.3	HVAC Systems by Facility/Location
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J-8.C.3.5.4a	Listing of Facilities and Service Level
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J-8.C.3.5.5a	Mowing Zone Map
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SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.2.1 Historical Listing of Positions Requiring Clearances

The following listing of historical listing of positions requiring clearance was compiled from a cross section of historical contracts during this site's history. It is for informational purposes only.

Historical Listing of Positions Requiring Clearances	
Historical Positions	**Historical Clearance Level**
Program Director	Q
Senior Project Manager	Q
Certified Project Manager	Q
Senior Engineer	Q
Program Analyst	L
Admin Assistant II	L
Senior Waste Engineer	Q
Project Planning Specialist	L
Construction Management Specialist/Engineer	L
Construction/Fire Protection Safety Specialist/Engineer	L
Lead Scheduler	L
*Cost Estimator	Q
Project Controls Engineer	L
Safeguards/Security Specialist	Q
Contractor Classification Officer	Q
Facility Security Officer	Q
Subject Matter Expert	L or Q as applicable for assignment
Senior Regulatory Specialist	L
Regulatory Specialist	L
Senior Environmental or Civil Engineer or Physical Scientist	L
*Process/Facility Engineer (Industrial/Mechanical/Nuclear)	Q
*Senior Nuclear Safety Engineer	Q
*Nuclear Safety Engineer	Q
Certified Safety Professional	L
*Senior Nuclear Criticality Engineer	Q
*Nuclear Criticality Engineer	Q
Fire Protection	L
Certified Health Physicist	L
Document Control Specialist	Q
Senior Technical Writer/Editor	L
Technical Writer/Editor	L
Senior Certified Industrial Hygienist	L
Public Affairs Specialist	L
Graphics Designer	L
Senior QA Specialist	L
QA Specialist	L
Field Technician	L

*Lead employee only

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.2.5.2 Summary of Additional Government Furnished Property

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.2.5.2 Summary of Additional Government Furnished Property

Janitorial	
Description	**Quantity**
Vacuums	22
20" power walk-behind floor scrubbers	2
17" slow-speed floor scrubbers	4
Floor-drying fans	3

Electrical, Instrument, and Fire Services	
Description	**Quantity**
Sets of basic electrical/instrument mechanics tools and tool boxes	6
Rigid Chicago conduit bender 1/2" through 1"	1
4" PVC bender	1
1 1/2" through 2" Greenlee Knockout set	1
Deep cut portable band saw	1
Pipe vise	1
Battery powered 1/2" drills	2
Battery powered reciprocating saws	2
Greenlee wire cart	1
Fluke multi-meters	2
Amp probe	1
Greenlee ratchet cutter	2
Arch flash face shields	2
Pairs of insulated gloves	2
Insulated retrieval hooks	2
Hammer drills	2
Extension cords	4
Power threader with dies	1
Fish tapes	2
Pull rope	1
Hand conduit benders	2
Socket and ratchet sets	2
Electricians hole-saw kits	2
Lock out/Tag out kit	1
Portable ground fault conductor insulators	2
Uni-bits	2
Drill bit index	1
Temporary light stringers	3
Temporary light stands	2
Drop light	1

Camera bore scope	1
Fire services Brady barcode scanners	3
Fiber optic termination kit	1
6' platform ladder	1
8' platform ladder	1
24' extension ladders	2
8' step ladders	2
6' step ladders	2
3' step ladder	1

Garage	
Description	**Quantity**
Toolbox to support 3 garage mechanics (basic hand tools: wrenches, hammers, screwdrivers, etc.)	1
Truck toolbox to support 3 garage mechanics (basic hand tools: wrenches, hammers, screwdrivers, etc.)	1
Floor jacks	4
8,000 pound A-frame hoist	1
Portable air compressor	1
Shop air compressor	1
Battery chargers	3
Tractor splitting stand	1
Forklift jack	1
Bottle jacks	2
Battery booster pack	1
Engine code reader	1
Electric drill motor	1
Torque wrenches (500 foot/pound 4' long 3/4" drive wrench and 1/2" drive digital wrench)	2
Standard and metric tap and die set	1
Port-a-power set	1
30,000 pound car lift	1

Mechanical	
Description	**Quantity**
Toolboxes to support 2 maintenance mechanics (basic hand tools: wrenches, hammers, screwdrivers, etc.)	2
Truck toolbox to support 2 maintenance mechanics (basic hand tools: wrenches, hammers, screwdrivers, etc.)	1
Tig arc welder	1
Mig arc welder	1
Plasma cutter	1
Roll around torch set	1
1/2" table top drill press	1
10-ton hydraulic press	1

Band saw	1
Hand-held electric grinder	1
Bench grinder	1
Shop fans	3
Hoisting/rigging box with numerous straps and slings	1
Electric drills	2
1/2" to 2" pipe threader and stand	1

Carpenters	
Description	**Quantity**
Truck toolbox to support 2 carpenters (basic hand tools: wrenches, hammers, levels, screwdrivers, assorted battery hand tools, etc.)	1
Table saw	1
Portable air compressor	1
Miter saw and table	1
Belt sander	1
Concrete machine	1
Electric router	1
Reciprocating saws	2
Electric drills	3
Circular saws	2
Pneumatic nail guns	2
Step ladders (2 - 6' and 1 - 8')	3

Laborers	
Description	**Quantity**
Snow shovels, hand rakes, brooms, hand-operated hedge trimmers/sheers to support approximately 12 to 15 laborers	N/A
Weed eaters	17
Leaf blowers (3 backpacks and 1 hand held)	4
Gas hedge trimmers	3
Chain saws	5
Pole saw	1
Pressure washers	2
Gas-powered water pumpers (1 - 3" and 2 - 2")	3
Gas-powered walk-behind sweepers	2
Gas tamper	1
Sledge hammers	6
Gas-powered concrete saw	1
Bucket of miscellaneous fencing tools	1
Hose reel with a 100' hose	1
Flammable container cabinets	3
Roll around trash cans	2
Pump chemical sprayers	3
Sets of chain saw chaps	2

Manual/hand operated post driving devices	3
Belt cutters	3
Torpedo heater (kerosene)	1
Miscellaneous gas cans	5
Miscellaneous ladders	9
Portable weed killer spray rigs	2
Wheel barrows	5
Wood chipper (PTO driven)	1
5' box blade	1
5' landscape rake for tractor	1
Snow plow for skid steer	1
Metal shelving units	5
500 watt halogen light set	1
6' x 12' box trailer	1
25' flatbed trailer	1
18' lawn mower trailers	2
10' lawn mower trailer	1
Portable canopy tents	5

Other Equipment	
Description	**Quantity**
Computers, network printers, desks, chairs, office equipment, break room furniture, microwaves, refrigerators, etc., to support approximately 200 employees	N/A
Golf carts	8

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.0 – LISTING OF FACILITIES RESPONSIBILITY MATRIX

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

LISTING OF FACILITIES RESPONSIBILITY MATRIX

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
REM	N/A	N/A	INF	INF	A-1	Landfill	4.6 acres	N/A	N/A
REM	N/A	N/A	INF	INF	A-2	Landfill	3.4 acres	N/A	N/A
INF	N/A	N/A	INF	INF	A-3	NW Area (1,3,4 & 5)	20.5 acres	N/A	N/A
INF	N/A	N/A	INF	INF	A-3	NW area (2)	21 acres	N/A	N/A
INF	N/A	N/A	INF	INF	A-4	Fence	10 acres	N/A	N/A
REM	N/A	N/A	INF	INF	A-5	Cylinder yard	9 acres	N/A	N/A
REM	N/A	N/A	INF	INF	A-6	Scrap yard	6.7 acres	N/A	N/A
INF	N/A	N/A	INF	INF	B-1	C-416 pad	2.6 acres	N/A	N/A
REM	N/A	N/A	INF	INF	B-2	Ditch	11.4 acres	N/A	N/A
INF	N/A	N/A	INF	INF	B-3	NE Area, sect 1	9 acres	N/A	N/A
INF	N/A	N/A	INF	INF	B-3	NE Area, sect 2	9 acres	N/A	N/A
INF	N/A	N/A	INF	INF	B-3	NE Area, sect 3	9 acres	N/A	N/A
INF	N/A	N/A	INF	INF	C-1	C-410 complex	6.9 acres	N/A	N/A
DEA	INF	INF	INF	INF	C-100 **(All areas except vaults and computing)**	Building - Administration	96,819	40,687	2,392 (9)
INF	INF	INF	INF	INF	C-100 **(Vaults and Computing)**	Building - Administration	5,208	N/A	N/A
DEA	DEA	INF	INF	INF	C-100-T04	Trailer - Office	1,440	1,440	128 (2)
DEA	DEA	INF	INF	INF	C-100-T05	Trailer - Office	1,440	1,440	128 (2)
DEA	DEA	INF	INF	INF	C-100-T06	Trailer - Office	1,440	1,440	128 (2)
DEA	DEA	N/A	INF	INF	C-100-T07	Trailer - Change House	1,440	N/A	128 (2)
DEA	DEA	INF	INF	INF	C-100-T08	Trailer - FOCI Office and Change House	1,440	105	128 (2)

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
INF	INF	INF	INF	INF	C-101	Building - Cafeteria	18,326	1,429	682 (2)
DEA	DEA	INF	INF	INF	C-102	Building - Hospital	11,666	7,288	915 (2)
DEA	DEA	INF	INF	INF	C-102-T01	Trailer - Office	1,440	1,592	128 (2)
DEA	DEA	INF	INF	INF	C-102-T02	Trailer - Office	1,440	1,412	128 (2)
DEA	DEA	INF	INF	INF	C-102-T03	Trailer - Office	1,440	1,520	128 (2)
DEA	DEA	INF	INF	INF	C-102-T04	Trailer - Office	1,440	1,066	128 (2)
DEA	DEA	INF	INF	INF	C-102-T05	Trailer - Office	1,440	1,386	128 (2)
DEA	DEA	INF	INF	INF	C-102-T06	Trailer - Office	1,440	1,240	128 (2)
DEA	DEA	INF	INF	INF	C-102-T07	Trailer - Office	1,800	1,166	128 (2)
DEA	DEA	INF	INF	INF	C-102-T08	Trailer - Office	48	48	128 (2)
DEA	DEA	INF	INF	INF	C-102-T09	Trailer - Office	96	96	128 (2)
INF	INF	INF	INF	INF	C-103	Building - DOE Office	7,435	7,313	122 (2)
INF	INF	INF	INF	INF	C-103 Annex	Building	3,264	3,064	200 (2)
INF	INF	N/A	INF	INF	C-103-PL	Parking Area (C-103)	25,900	N/A	N/A
INF	N/A	N/A	INF	INF	C-2	West of C-400	1.1 acres	N/A	N/A
DEA	DEA	INF	INF	INF	C-200	Building - Guard and Fire Headquarters	19,490	6,129	3,277 (4)
REM	REM	N/A	INF	INF	*C-200*	Tanks	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-200-A	Building	1,600	1,408	56 (1)
DEA	DEA	N/A	INF	INF	C-200-B	Trailer	224	0	128 (2)
DEA	DEA	N/A	INF	INF	C-201	Building - Emergency Equipment Storage	864	N/A	N/A
DEA	DEA	N/A	INF	INF	C-201-A	Building	224	N/A	N/A
DEA	DEA	N/A	INF	INF	C-201-B	Building	224	N/A	N/A
DEA	DEA	N/A	INF	INF	C-201-C	Building	360	N/A	N/A
DEA	DEA	N/A	INF	INF	C-201-D	Building	224	N/A	N/A
DEA	DEA	INF	INF	INF	C-202	Building - Guard Training	3,446	576	N/A
DEA	DEA	N/A	INF	INF	C-203	Building - Emergency Vehicle Shelter	1,800	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
REM	REM	N/A	INF	INF	C-204	Building - Disintegrator	192	N/A	N/A
DEA	DEA	INF	INF	INF	C-205	Building - Respirator Issue Bldg	4,100	720	1
DEA	DEA	N/A	INF	INF	C-206	OSF - Pumper Drafting Pit	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-206-A	OSF - Storage Trailer Facility	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-206-B	Trailer - Smoke Training Facility	TBD	N/A	N/A
DEA	DEA	N/A	INF	INF	C-207	Building - Fire Training Facility	900	N/A	N/A
DEA	DEA	INF	INF	INF	C-212	Building - Office	3,471	1,837	126 (2)
DEA	DEA	INF	INF	INF	C-212-A	Building - Gate 15	280	453	101 (2)
INF	INF	INF	INF	INF	C-212-U	Building - Utility Operations Office	1,715	823	85 (2)
DEA	DEA	INF	INF	INF	C-214	Building - Gate 57	TBD	N/A	N/A
DEA	DEA	N/A	INF	INF	C-215	Building - Portals 18 and 19	1,045	N/A	N/A
DEA	DEA	INF	INF	INF	C-216	Building - Gate 47	500	480	20
REM	REM	N/A	INF	INF	C-217	Building - Post 34	54	N/A	N/A
REM	REM	N/A	INF	INF	C-218	Range	40,000	N/A	N/A
REM	REM	N/A	INF	INF	C-219	Building - Gate 38	120	N/A	N/A
DEA	DEA	N/A	INF	INF	C-220-A	OSF - Power Distribution System	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-220-D1	OSF - Bell Telephone System	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-220-D2	OSF - PAX Telephone System	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-224	Building - Post 15	1,680	1,631	49 (1)
DEA	DEA	INF	INF	INF	C-225	Building - Post 48	1,598	1,549	49 (1)
INF	INF	INF	INF	INF	C-225-A	Building - Post 48	64	N/A	N/A
INF	INF	INF	INF	INF	C-229	Trailer - Post 229	588	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-A	OSF - Sanitary Water System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-B	OSF - Sanitary Sewer System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-C	OSF - Storm Sewer System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-D	OSF - Chilled Water System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-E	OSF - Plant (Process) Water System	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-230-F	OSF - Process Waste Water System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-G	OSF - Recirculating Cooling Water System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-H	OSF - High Pressure Fire Water System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-230-J	OSF - Process Waste Heat Utilization System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-232-A	OSF - Nitrogen System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-232-B	OSF - Compressed Air System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-232-C	OSF - Acetylene/Oxygen System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-232-D	OSF - Steam Distribution System	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-232-E	OSF - Natural Gas System	N/A	N/A	N/A
INF	N/A	N/A	INF	INF	C-3	C-340 complex	3.0 acres	N/A	N/A
DEA	DEA	INF	INF	INF	C-300	Building - Central Control	16,022	2,272	216 (2)
DEA	DEA	N/A	INF	INF	C-300 - 531	OSF - Instrumentation Tunnel	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-300 - 533	OSF - Instrumentation Tunnel	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-300 - 535	OSF - Instrumentation Tunnel	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-300 - 537	OSF - Instrumentation Tunnel	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-301	Slab	2,640	N/A	N/A
DEA	DEA	INF	INF	INF	C-302	Building - Operations Division Data Center	7,366	6,494	189 (2)
DEA	DEA	N/A	INF	INF	C-302-T01	Trailer - Systems Engineering Storage			
DEA	DEA	N/A	INF	INF	C-303	Building - Supervisory Control and Data Acquisition	2,109	N/A	N/A
DEA	DEA	INF	INF	INF	C-304	Building - Training and Cascade Office Building	8,000	4,086	256 (2)
DEA	DEA	INF	INF	INF	C-310	Building - Purge and Product Building	112,240	2,418	306 (2)
DEA	DEA	N/A	INF	INF	C-310 331-A	Bridge (Enclosed)	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-310 331-B	OSF - Tie Line	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-310-A	Building - Product Withdrawal Building	3,276	0	0
DEA	DEA	INF	INF	INF	C-315	Building - Surge and Waste Building	16,040	551	248 (2)
DEA	DEA	N/A	INF	INF	C-315- 331	OSF - Tie Line	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-320	Building - Communication Building	1,116	N/A	N/A
DEA	DEA	N/A	INF	INF	C-320-A	*Temporary Storage - Personal Property*	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-320-B	*Temporary Storage - Personal Property*	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-331	Building - Process Building	1,029,120	1,289	1,480 (4)
DEA	DEA	N/A	INF	INF	C-331-333-A	Bridge (Enclosed - 300ft)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-331-333-B	OSF - Tie Line (East)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-331-333-C	OSF - Tie Line (West)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-331-335	OSF - Tie Line	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-331-410	OSF - Tie Line	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-331-A	OSF - Yard Contractor Staging Area West	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-331-B	OSF - Yard Contractor Staging Area East	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-331-T07	Trailer - Instrument Mechanic Trailer	720	660	128 (2)
DEA	DEA	INF	INF	INF	C-333	Building - Process Building	2,130,120	1,463	2,166 (5)
DEA	DEA	INF	INF	INF	C-333-A	Building - Feed Vaporization Facility	8,305	228	30 (1)
DEA	DEA	N/A	INF	INF	C-333-T06	Trailer - Health Physics Office	96	N/A	128 (2)
DEA	DEA	N/A	INF	INF	C-333-T07	Trailer - Feed Vaporization Facility	96	N/A	128 (2)
DEA	DEA	INF	INF	INF	C-335	Building - Process Building	1,029,120	1,526	1,703 (4)
DEA	DEA	N/A	INF	INF	C-335-337-A	Bridge (Enclosed)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-335-337-B	OSF - Tie Line (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-335-337-C	OSF - Tie Line (South)	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-337	Building - Process Building	2,130,120	1,675	1,412 (5)

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	INF	INF	INF	C-337-A	Building - Feed Vaporization Facility	8,556	323	72 (1)
DEA	DEA	N/A	INF	INF	C-337-T01	Trailer - Health Physics Office Trailer	96	N/A	N/A
DEA	DEA	N/A	INF	INF	C-337-T02	Trailer - Health Physics Office Trailer	1,440	N/A	N/A
REM	REM	REM	INF	INF	C-340-A	Building	25,200	N/A	N/A
REM	REM	REM	INF	INF	C-340-B	Building	21,360	N/A	N/A
REM	REM	REM	INF	INF	C-340-C	Building	3,888	N/A	N/A
REM	REM	REM	INF	INF	C-340-E	Building	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-340-FENCE	Fence	1,844	N/A	N/A
REM	REM	REM	INF	INF	C-342	Building - Concrete slab left from D&D of tank area	1,000	N/A	N/A
REM	REM	REM	INF	INF	C-342-A	Building	80	N/A	N/A
REM	REM	REM	INF	INF	C-342-B	Shelter	2,150	N/A	N/A
DEA	DEA	N/A	INF	INF	C-350	Building - Drying Agent Storage	1,570	N/A	N/A
DEA	DEA	INF	INF	INF	C-360	Building - Toll Transfer and Sampling	17,800	1,276	485(2)
DEA	DEA	INF	INF	INF	C-360-A	Building	8,318	160	TBD
DEA	DEA	N/A	INF	INF	C-360-T01	Trailer - Health Physics Office Trailer	96	N/A	N/A
DEA	DEA	N/A	INF	INF	C-360-T02	Building - Cascade Operations Storage	36	N/A	N/A
REM	REM	N/A	INF	INF	C-370-E	Monitoring Station - Water Quality	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-370-W	Monitoring Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-04	OSF - C-615 Sec. Basin EF.(KPDES 002)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-06	OSF - Lagoon (Plant Surface Runoff)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-16	OSF - Outfall	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-375-17	Outfall	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-375-19	Outfall	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-E2 (KPDES 002)	OSF - Outfall	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-375-E3 (KPDES 010)	OSF - Outfall	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-E4 (KPDES 011)	OSF - Outfall	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-E5 (KPDES 012)	OSF - Outfall	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-E6 (KPDES 013)	OSF - Outfall	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-S6 (KPDES 009)	OSF - Outfall	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-375-W7 (KPDES 008)	OSF - Outfall	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-375-W8	Outfall 015 - Oil Control Dam KPDES-015	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-375-W9	Outfall 001 - Oil Control Dam KPDES-001	N/A	N/A	N/A
INF	N/A	N/A	INF	INF	C-4	C-342 Facility	0.7 acres	N/A	N/A
DEA	DEA	INF	INF	INF	C-400	Building - Groundwater Treatment System	116,140	3,554	1,235 (4)
REM	REM	N/A	INF	INF	C-400 & C-404	Transfer Line - Cleaning Building	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-400-A	Building - Emergency Power for Critical Alarms	100	N/A	N/A
DEA	DEA	N/A	INF	INF	C-400-D	OSF - Lime Precip. & Ion Exch. Units	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-400-L	Lift Station - Storm Water Lift Station	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-402	Slab only - Concrete Slab from Limehouse Demolition	1,502	N/A	N/A
REM	REM	N/A	INF	INF	C-403	Pit - Neutralizing Pit	576	N/A	N/A
REM	REM	N/A	INF	INF	C-404	Burial ground - Low-Level Radioactive	N/A	N/A	N/A

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REM	REM	N/A	INF	INF	C-404-A	Sump	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-405	Slab only	600	N/A	N/A
DEA	DEA	N/A	INF	INF	C-407	OSF - Nitric Acid Storage Tank	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-408	Building - 50-Ton Truck Scale	100	N/A	N/A
DEA	DEA	INF	INF	INF	C-409	Building - Stabilization Building	26,797	732	953 (2)
REM	REM	REM	INF	INF	C-410	Building - Feed Plant	82,765	N/A	N/A
REM	REM	N/A	INF	INF	C-410-A	Slab only	6,000	N/A	N/A
REM	REM	N/A	INF	INF	C-410-B	Lagoon	2,000	N/A	N/A
REM	REM	REM	INF	INF	C-410-C	Building - HF Neutralization	1,088	N/A	N/A
DEA	DEA	N/A	INF	INF	C-410-D	Building - Flourine Storage Building	1,526	N/A	N/A
REM	REM	N/A	INF	INF	C-410-E	Pond - Acid Neut	N/A	N/A	N/A
REM	REM	REM	INF	INF	C-410-EXP	Feed Plant Expansion	55,228	N/A	N/A
REM	REM	REM	INF	INF	C-410-F	Building	1,222	N/A	N/A
REM	REM	REM	INF	INF	C-410-G	Building	1,222	N/A	N/A
REM	REM	REM	INF	INF	C-410-H	Building	1,222	N/A	N/A
REM	REM	REM	INF	INF	C-410-I	Building	2,000	N/A	N/A
REM	REM	REM	INF	INF	C-410-J	Building	2,024	N/A	N/A
DEA	DEA	N/A	INF	INF	C-410-K	Building	1,600	N/A	N/A
REM	REM	N/A	INF	INF	C-411	Building	4,260	N/A	N/A
REM	REM	REM	INF	INF	C-411-A	Area	N/A	N/A	N/A
REM	REM	INF	INF	INF	C-412-T01	Trailer - Office	1,440	1,314	63 (1)
REM	REM	INF	INF	INF	C-412-T02	Trailer - Office	1,440	1,314	126 (2)
REM	REM	INF	INF	INF	C-412-T03	Trailer - Office	1,440	1,266	126 (2)
REM	REM	INF	INF	INF	C-412-T04	Trailer - Office	1,440	1,214	126 (2)
REM	REM	INF	INF	INF	C-412-T05	Trailer - Office	1,440	1,214	126 (2)
REM	REM	INF	INF	INF	C-412-T06	Trailer - Office	1,440	1,314	126 (2)
REM	REM	INF	INF	INF	C-412-T07	Trailer - Shower & Change	1,440	N/A	1,440 (2)

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
REM	REM	INF	INF	INF	C-412-T08	Trailer - Office	1,440	1,214	126 (2)
REM	REM	INF	INF	INF	C-412-T09	Trailer - Office	1,440	1,214	126 (2)
REM	REM	INF	INF	INF	C-412-T10	Trailer - Break	1,440	1,314	126 (2)
REM	REM	INF	INF	INF	C-412-T11	Trailer - Shower & Change	1,440	N/A	1,440 (2)
REM	REM	INF	INF	INF	C-412-T12	Trailer - Shower & Change	1,440	N/A	1,440 (2)
REM	REM	INF	INF	INF	C-412-T13	Trailer - Office	1,440	1,314	126 (2)
REM	REM	INF	INF	INF	C-412-T14	Trailer - Office	1,440	1,207	126 (2)
REM	REM	N/A	INF	INF	C-415	Building - Feed Plant Storage	3,672	N/A	N/A
REM	REM	N/A	INF	INF	C-416	Pad - Equipment Cleaning Pad/Staging Area	2,826	N/A	N/A
REM	REM	N/A	INF	INF	C-416-T01	Trailer	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-417	Pad - Equipment Cleaning Pad/Staging Area	N/A	N/A	N/A
REM	REM	REM	INF	INF	C-420	Building - Greensalt Plant	51,778	N/A	N/A
REM	N/A	N/A	INF	INF	C-5	Cylinder yards	10 acres	N/A	N/A
DEA	DEA	INF	INF	INF	C-531-1	Building - Switch House	31,400	N/A	72 (1)
DEA	DEA	N/A	INF	INF	C-531-2	OSF - Switchyard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-531-3A	Building - Fire Valve House	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-531-3B	Building - Fire Valve House	144	N/A	N/A
DEA	DEA	INF	INF	INF	C-532	Building - Relay House	7,784	1,579	311 (2)
DEA	DEA	INF	INF	INF	C-533-1	Building - Switch House	37,360	N/A	65 (1)
DEA	DEA	N/A	INF	INF	C-533-2	OSF - Switchyard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-533-3A	Building - Fire Valve House No. 1	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-533-3B	Building - Fire Valve House No. 2	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-533-3C	Building - Fire Valve House No. 3	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-533-3D	Building - Fire Valve House No. 4	144	N/A	N/A
DEA	DEA	INF	INF	INF	C-535-1	Building - Switch House	28,000	N/A	77 (1)

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DEA	DEA	N/A	INF	INF	C-535-2	OSF - Switchyard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-535-3A	Building - Fire Valve House No. 1	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-535-3B	Building - Fire Valve House No. 2	144	N/A	N/A
DEA	DEA	INF	INF	INF	C-535-4	Building - Test Shop (Maintenance Office)	480	N/A	N/A
DEA	DEA	INF	INF	INF	C-536	Building - Relay House	7,784	1,579	311 (2)
DEA	DEA	INF	INF	INF	C-537-1	Building - Switch House	42,140	N/A	77 (1)
DEA	DEA	N/A	INF	INF	C-537-2	OSF - Switchyard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-537-3A	Building - Fire Valve House No. 1	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-537-3B	Building - Fire Valve House No. 2	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-537-3C	Building - Fire Valve House No. 3	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-537-3D	Building - Fire Valve House No. 4	144	N/A	N/A
DEA	DEA	INF	INF	INF	C-537-4	Building - Test Shop	480	N/A	N/A
DEA	DEA	N/A	INF	INF	C-540-A	Building - Oil Pump House	312	N/A	N/A
DEA	DEA	N/A	INF	INF	C-540-B	OSF - Oil Storage Tank (Northwest)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-540-C	OSF - Oil Storage Tank (Southwest)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-540-D	OSF - Oil Storage Tank (Northeast)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-540-E	OSF - Oil Storage Tank (Southeast)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-541-A	Building - Oil Pump House	312	N/A	N/A
DEA	DEA	N/A	INF	INF	C-541-B	OSF - Oil Storage Tank (Northwest)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-541-C	OSF - Oil Storage Tank (Southwest)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-541-D	OSF - Oil Storage Tank (Northeast)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-541-E	OSF - Oil Storage Tank (Southeast)	N/A	N/A	N/A
INF	N/A	N/A	INF	INF	C-6	SE Area	36.2 acres	N/A	N/A
DEA	DEA	INF	INF	INF	C-600	Building - Steam Plant	47,424	320	384 (2)
DEA	DEA	N/A	INF	INF	C-601	Building - Nitrogen Generator Building Addition	2,250	N/A	N/A

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DEA	DEA	N/A	INF	INF	C-601-A	OSF - Steam Plant Fuel Storage Tank (Center)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-601-B	OSF - Steam Plant Fuel Storage Tank (South)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-601-C	Building	148	N/A	N/A
DEA	DEA	N/A	INF	INF	C-601-D	OSF - Fuel Storage Tank (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-602	OSF - Coal Storage Yard	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-603-A	Slab	72	N/A	N/A
REM	REM	N/A	INF	INF	C-603-B	Soil Area	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-603-C	Soil Area	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-603-D	Soil Area	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-603-E	OSF - Nitrogen Storage Tank (East)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-603-F	OSF - Nitrogen Storage Tank (Center)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-603-G	OSF - Nitrogen Storage Tank (West)	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-603-H	Slab	128	N/A	N/A
REM	REM	N/A	INF	INF	C-603-I	Soil Area	340	N/A	N/A
DEA	DEA	INF	INF	INF	C-604	Building - Utilities Maintenance Building	2,400	140	270 (1)
DEA	DEA	N/A	INF	INF	C-604-A	Building - Utilities Storage Building	290	N/A	N/A
DEA	DEA	N/A	INF	INF	C-605	Building - Substation Building	1,200	N/A	N/A
DEA	DEA	N/A	INF	INF	C-606	Building - Coal Crusher Building	1,470	N/A	N/A
DEA	DEA	N/A	INF	INF	C-607	Building - Emergency Air Compressor Generator Build	2,000	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-A	Building - Building and Shop Storage	504	N/A	N/A
DEA	DEA	INF	INF	INF	C-611-A1	Building	TBD	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-B	Building - Head House	1,215	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-B1	Building - Polymer Feed System	285	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
						Enclosure			
DEA	DEA	N/A	INF	INF	C-611-C	OSF - Flocculator Basin	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-D	OSF - Settling Basin (NE)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-E	OSF - Settling Basin (NW)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-F	OSF - Settling Basin (SE)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-F1	OSF - Secondary Coagulation Basin	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-F2	Building - Chemical Feed	589	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-F3	Building - Activated Carbon Feed	TBD	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-G	OSF - Settling Basin (SW)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-H	Building - Filter and Pump Station	13,067	N/A	21 (1)
DEA	DEA	N/A	INF	INF	C-611-I	OSF - Clear Well	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-611-K	Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-O	OSF - Sanitary Water Storage Tank	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-P	Building - Pump House	902	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-Q	Building - 36" Raw Water Line Booster Station	392	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-R	OSF - Water Tank-RCW Fire Water (High Pressure	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-S	Building – CL2 Storage and Feed	1,120	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-T	OSF - Booster Pump Station Plant Water	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-611-T01	Trailer - Instrument Maintenance	670	187	128 (2)
DEA	DEA	N/A	INF	INF	C-611-U	OSF - Softening Facility (West)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-V	OSF - Sludge Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-V1	OSF - Sludge Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-W	OSF - Sludge Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-X	OSF - Softening Facility (East)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-611-Y	OSF - Recycle Lagoon	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-611-Z	OSF - Flocculator Basin	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-612	Pilot Pump and Treat	4,480	N/A	N/A
REM	INF	N/A	INF	INF	C-612-A	Pad	38,700	N/A	N/A
INF	INF	N/A	INF	INF	C-612-B	Shelter	48	N/A	N/A
REM	REM	INF	INF	INF	C-612-T01	Trailer - Pump & Treat	644	644	N/A
REM	REM	INF	INF	INF	C-612-T02	Trailer - Pump & Treat Office	644	644	N/A
REM	REM	INF	INF	INF	C-612-T03	Trailer - Change/Shower	672	582	90 (2)
REM	REM	N/A	INF	INF	C-613	Basin - Scrap Yard Sedimentation	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-613-A	Trailer - Sedimentation Basin Process	539	N/A	N/A
REM	REM	N/A	INF	INF	C-613-DITCH	Water Conveyance System to C-613	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-614	Treatment System - Northeast Plume	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-614-A	Pad - Northeast Plume	2520	N/A	N/A
REM	REM	N/A	INF	INF	C-614-B	Well - Northeast Plume Extraction Well 331/w EQ	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-614-C	Well - Northeast Plume Extraction Well 332 w/EQ	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-614-FENCE	Fence	516	N/A	N/A
DEA	DEA	INF	INF	INF	C-615	Building – Sewage Disposal Plant	806	N/A	88 (2)
DEA	DEA	N/A	INF	INF	C-615-A	OSF - Primary Settling Tank	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-B	OSF - Final Settling Tank	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-C	Building – Oil Control	1,308	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-D	OSF - Digester	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-E	OSF - Tricking Filter	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-F	OSF - Tricking Filter Sludge Beds	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-G	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H1	OSF - Sewage Lift Station	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-615-H2	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H3	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H4	OSF - Sewage Lift Station	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-615-H4	OSF - Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H4A	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H5	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H6	OSF - Sewage Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H7	OSF - Chromate Lift Station (Abandoned)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-H8	OSF - Oil Control Monitoring Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-J	OSF - Lift Station Abandoned	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-615-J	Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-K	OSF - Chromate Lift Station (Abandoned)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-L	Building – Oil Control	144	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-M	OSF - Oil Control Structure	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-N	OSF - Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-615-O	Building – Oil Control	144	N/A	N/A
DEA	DEA	INF	INF	INF	C-616-A	Building – Chemical Feed	2,000	220	98 (1)
DEA	DEA	N/A	INF	INF	C-616-B	OSF - Clarifier (East)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-C	OSF- Lift Station	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-D	OSF - Sludge Vault and Valve Pit	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-616-E & F	Lagoon	1 acre	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-F	OSF - Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-G	OSF - Tank Farm	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-H1	OSF - Ferrous Sulfate Storage Tank (East)	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-616-H2	OSF - Ferrous Sulfate Storage Tank (West)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-J	OSF - Reduction Tank (E)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-K	Building – Chemical Feed Storage	420	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-L	Building – Effluent Vault	96	N/A	N/A
REM	REM	N/A	INF	INF	C-616-L	OSF - Effluent Control Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-M	OSF - Clarifier (West)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-N	OSF - Reduction Tank (W)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-P	OSF - Sludge Vault and Valve Pit	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-616-Q	OSF - Flyash Settling Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-617-A	Building - Effluent Control Station	256	N/A	N/A
DEA	DEA	N/A	INF	INF	C-617-B	OSF - Effluent Control Lagoon	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-617-C	OSF - Outfall 013 Wetland & Pond	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-620	Building – Air Plant	10,000	N/A	N/A
DEA	DEA	INF	INF	INF	C-631-1	Building – Pump House	9,700	N/A	216 (1)
DEA	DEA	N/A	INF	INF	C-631-10	OSF - Asbestos Crew Storage	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-12	OSF - Asbestos Crew Storage	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-13	OSF - RCW Equipment Storage	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-15	Building – Equipment Storage	192	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-2	OSF - Cooling Tower	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-3	Building - Blending Cooling Tower (West)	1,196	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-4	Building - Blending Cooling Tower (East)	1,540	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-5	OSF - Blending Cooling Tower (West)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-631-6	OSF - Blending Cooling Tower (East)	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-631-T08	Trailer - Instrument Maintenance Trailer	272	0	272 (1)

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	INF	INF	INF	C-631-T09	Trailer - RCW Supervisor's Office	776	0	16 (1)
DEA	DEA	N/A	INF	INF	C-631-T11	Trailer - Maintenance Trailer	720	700	20 (1)
DEA	DEA	INF	INF	INF	C-631-T14	Trailer - Pump House	320	240	128 (2)
DEA	DEA	N/A	INF	INF	C-631-T16	Trailer - Cooling Tower (South)	360	N/A	128 (2)
REM	REM	N/A	INF	INF	C-632-B	Tank	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-633-1	Building - Cooling Tower (North)	10,245	N/A	308(1)
DEA	DEA	N/A	INF	INF	C-633-2A	OSF - Cooling Tower (South)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-633-2B	OSF - Cooling Tower (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-633-3	Building - Blending Cooling Tower (South)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-633-4	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-633-5	OSF - Blending Cooling Tower (South)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-633-6	Building	260	N/A	N/A
REM	REM	N/A	INF	INF	C-634-B	Dike	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-635-1	Building - Blending Pump House	8,505	TBD	216 (1)
DEA	DEA	N/A	INF	INF	C-635-2	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-635-3	Building - Blending Cooling Tower (South)	1,984	N/A	N/A
DEA	DEA	N/A	INF	INF	C-635-4	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-635-5	OSF - Blending Cooling Tower (South)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-635-6	Building - Cooling Tower (South)	2,556	N/A	N/A
DEA	DEA	INF	INF	INF	C-637-1	Building - Cooling Tower (North)	10,245	N/A	308 (1)
DEA	DEA	N/A	INF	INF	C-637-2A	OSF - Blending Pump House	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-637-2B	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-637-3	Building - Blending Cooling Tower (South)	2,084	N/A	N/A
DEA	DEA	N/A	INF	INF	C-637-4	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-637-5	OSF - Blending Cooling Tower (South)	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-637-6	Building - Technical Services Building	260	N/A	N/A
DEA	DEA	N/A	INF	INF	C-637-T01	Trailer - Gas Cylinder Storage Building	400	N/A	128 (2)
DEA	DEA	N/A	INF	INF	C-709	Building - Plant Laboratory Annex	33,000	N/A	416 (2)
DEA	DEA	INF	INF	INF	C-710	Building - Gas Manifold	84,333	15,862	2,057 (4)
REM	REM	N/A	INF	INF	*C-710*	Tanks - Gas Manifold	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-710-A	Building - Maintenance and Storage Building	400	N/A	N/A
DEA	DEA	N/A	INF	INF	C-710-B	Building - Storage Facility	TBD	N/A	N/A
DEA	DEA	N/A	INF	INF	C-711	Building - Compressor Shop Addition	962	N/A	N/A
DEA	DEA	N/A	INF	INF	C-712	OSF - Acid Neutralization Pit	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-720	Building - Machine Shop Addition	299,944	22,705	4,411(10)
REM	REM	N/A	INF	INF	*C-720*	Degreaser	N/A	N/A	N/A
REM	REM	N/A	INF	INF	*C-720*	Pipe	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-A	Building - Converter Shop Addition	1,600	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-B	Building - Paint Shop	1,700	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-C	Building - Transformer Building	28,134	300	72 (1)
DEA	DEA	N/A	INF	INF	C-720-C1	Building - Change House Addition	5,120	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-D	Building - Warehouse	400	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-E	Building - Warehouse	3,467	N/A	3,154 (1)
DEA	DEA	N/A	INF	INF	C-720-G	Building - Air Lock	10,800	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-H	Building - Instrument Shop Addition	2,400	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-J	Building - Computer Maintenance Trailer	920	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-K	Building - Railroad Classification Yard	1,520	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-L	OSF - Oxygen Facility	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-M	Trailer - Computer Maintenance	1,440	100	155 (1)

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-720-M T01	Trailer - Computer Maintenance	224	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-M T02	Trailer - Computer Maintenance	224	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-R	Trailer - Mass Spectrometer Repair	250	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-S	Trailer - Instrument Maintenance	256	N/A	N/A
DEA	DEA	N/A	INF	INF	C-720-T	Trailer - Electrical Maintenance	340	N/A	N/A
DEA	DEA	INF	INF	INF	C-720-T08	Trailer - Mobile Office (inside C-720)	200	160	N/A
DEA	DEA	N/A	INF	INF	C-720-U	Trailer	340	N/A	N/A
DEA	DEA	N/A	INF	INF	C-721	Building - Gas Manifold Storage	962	N/A	N/A
DEA	DEA	N/A	INF	INF	C-722	OSF - Acid Neutralization Pit	N/A	N/A	N/A
DEA	DEA	INF	INF	INF	C-724-A	Building - Paint Shop	3,900	896	264 (1)
DEA	DEA	INF	INF	INF	C-724-B	Building - Lumber Storage Building	10,215	0	1,459 (1)
DEA	DEA	INF	INF	INF	C-724-C	Building - Paint Shop	1,600	288	N/A
DEA	DEA	N/A	INF	INF	C-724-D	Building - Sandblast Building	2,880	N/A	N/A
DEA	DEA	N/A	INF	INF	C-724-T01	Trailer - Change House Abandoned	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-725	Building - 90-Day Mixed Waste Accumulation	410	N/A	N/A
DEA	DEA	N/A	INF	INF	C-726	Building - Motor Cleaning	2,019	N/A	N/A
DEA	DEA	N/A	INF	INF	C-727	Building - Acetylene	4,428	136	N/A
REM	REM	N/A	INF	INF	C-728	Building - Maintenance Service	1950	N/A	N/A
DEA	DEA	N/A	INF	INF	C-729	Building - Storm Shelter	430	N/A	N/A
DEA	DEA	INF	INF	INF	C-730	Trailer - Office	1,057	220	15 (1)
INF	INF	INF	INF	INF	C-730-A	Trailer - Office/Storage	48	N/A	N/A
REM	REM	INF	INF	INF	C-730-T01	Trailer - Office	720	664	56 (1)
REM	REM	INF	INF	INF	C-730-T02	Trailer - Railroad Repair Equipment Storage	672	616	56 (1)
REM	REM	INF	INF	INF	C-730-T06	Trailer - Maintenance Materials Storage	1,560	1447	113 (2)
DEA	DEA	N/A	INF	INF	C-731	Building - Waste Oil & Chemical	1,280	N/A	N/A

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						Storage			
DEA	DEA	N/A	INF	INF	C-732	Building - Material Yard	1,680	N/A	N/A
REM	REM	N/A	INF	INF	C-733	Building - Semi-Trailer Unloading Facility	4,224	N/A	N/A
DEA	DEA	N/A	INF	INF	C-740-A	OSF - Semi-Trailer Unloading Facility	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-740-B	Building - Cylinder Storage Building	2,800	N/A	N/A
DEA	DEA	N/A	INF	INF	C-741	Building - Drying Agent Cylinder Storage	5,360	N/A	N/A
DEA	DEA	N/A	INF	INF	C-742	Building - Office Building	2,745	216	N/A
DEA	DEA	N/A	INF	INF	C-742-B	Building - Environmental	255	N/A	N/A
DEA	DEA	INF	INF	INF	C-743	Building	9,973	8,086	614 (2)
DEA	DEA	N/A	INF	INF	C-743-A	Personal Property	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-743-A1	Personal Property	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-743-A2	Personal Property	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-743-B	OSF - Underground Storm Shelter	160	N/A	N/A
INF	INF	N/A	INF	INF	C-743-C	OSF - Underground Storm Shelter	96	N/A	N/A
REM	REM	INF	INF	INF	C-743-T01	Trailer - Office	1,650	1,267	90 (2)
REM	REM	INF	INF	INF	C-743-T02	Trailer - Changehouse	1,650	1,267	90 (2)
REM	REM	INF	INF	INF	C-743-T03	Trailer - Office	1,650	1,515	78 (2)
REM	REM	N/A	INF	INF	C-743-T04	Trailer - Office	1,410	N/A	1410 (2)
REM	REM	INF	INF	INF	C-743-T07	Trailer - Office	672	605	18 (1)
REM	REM	INF	INF	INF	C-743-T09	Trailer - Office	1,650	1,377	144 (2)
INF	INF	INF	INF	INF	C-743-T11	Trailer - Office	1,600	1,500	100 (2)
REM	REM	INF	INF	INF	C-743-T12	Trailer - Office	1,600	1,355	108 (2)
INF	INF	INF	INF	INF	C-743-T13	Trailer - Office	1,600	1,473	120 (1)
INF	INF	INF	INF	INF	C-743-T14	Trailer - Office	1,600	1,377	216 (2)
REM	REM	INF	INF	INF	C-743-T15	Trailer - Field Support Lab	1,600	1400	200 (2)

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REM	REM	INF	INF	INF	C-743-T16	Trailer - Material Handling	1,600	1485	108 (2)
REM	REM	N/A	INF	INF	C-743-T17	Trailer - Cylinder Storage Yard	1,733	N/A	132 (1)
REM	REM	N/A	INF	INF	C-743-T17-A	OSF - Field Support Lab Shelter	320	N/A	N/A
DEA	DEA	N/A	INF	INF	C-744	Building - Material Handling	6,400	206	356 (2)
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-A	OSF - Cylinder Storage Yard	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-745-A-SW	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-B	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-B1	Building	128	128	N/A
REM	REM	N/A	INF	INF	C-745-C	Trailers (Cylinder Yard Storage with Trailers)	10,080	7,080	3000 (30)
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-D	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-E	OSF - Cylinder Storage Yard	N/A N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-E	OSF - Cylinder Storage Yard	N/A	N/A	N/A
REM	REM	DUF_6	INF	INF	C-745-F	OSF - Cylinder Yard Basin and Lift Station	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G	Yard	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G1	Lift Station	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G2	UDS Buildings	4,375	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G3	UDS Buildings	4,375	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G4	UDS Buildings	4,375	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G5	UDS Buildings	4,375	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-G-T01	Trailer	672	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-H	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-745-J	OSF - Radioactive Material Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-K	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-L	OSF - Cylinder Storage Yard	N/A	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-M	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-N	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-P	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-Q	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-R	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-R1	OSF - Cylinder Change out	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-S	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	DUF_6	DUF_6	INF	C-745-T	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-U	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-V	OSF - Cylinder Storage Yard	N/A	N/A	N/A
DUF_6	DUF_6	N/A	DUF_6	INF	C-745-W	OSF - Cylinder Yard High Activity Railroad Pad	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-745-X	OSF - Equipment Storage Pad	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-745-Y	OSF - Equipment Storage Yard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-745-Z	OSF - Equipment Storage Yard	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-745-Z1	OSF - Construction Spoils Area	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-A	Building - South Warehouse	63,000	400 (1)	N/A
REM	REM	N/A	INF	INF	C-746-A1	UST	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-A2	UST	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-B	Building - Clean Scrap Yard North	71,000	N/A	N/A
REM	REM	N/A	INF	INF	C-746-B1	OSF - Staging Area	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-C	OSF - Classified Scrap Yard	137,997	N/A	N/A
REM	REM	N/A	INF	INF	C-746-C1	OSF - Contaminated Scrap Yard North	189,837	N/A	N/A
REM	REM	N/A	INF	INF	C-746-D	OSF - Contaminated Scrap Yard South	60,837	N/A	N/A
REM	REM	N/A	INF	INF	C-746-E	OSF - Classified Scrap Burial Yard	138,276	N/A	N/A
REM	REM	N/A	INF	INF	C-746-E1	OSF - Electrical Equipment Storage	113,280	N/A	N/A
REM	REM	N/A	INF	INF	C-746-F	OSF - PEM Storage Slab	70,002	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
DEA	DEA	N/A	INF	INF	C-746-G	Building - PEM Storage Slab	2,400	TBD	TBD
DEA	DEA	N/A	INF	INF	C-746-G-T01	Trailer	1,440	1,314	126 (2)
DEA	DEA	N/A	INF	INF	C-746-G-T02	Trailer	1,440	1,314	126 (2)
DEA	DEA	N/A	INF	INF	C-746-H1	OSF - PEM Storage Slab	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-746-H2	OSF - PEM Storage Slab	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-H3	Slab	56,150	N/A	N/A
REM	REM	N/A	INF	INF	C-746-H4	Pad	48,798	N/A	N/A
REM	REM	N/A	INF	INF	C-746-K	Landfill	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-L	Landfill	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-746-M	Building	560	N/A	N/A
REM	REM	N/A	INF	INF	C-746-N	Pad	19,800	N/A	N/A
REM	REM	N/A	INF	INF	C-746-P	Yard	268,749	N/A	N/A
REM	REM	N/A	INF	INF	C-746-P1	Yard	199,998	N/A	N/A
REM	REM	INF	INF	INF	C-746-P-T01	Trailer	1,344	1279	65 (1)
REM	REM	N/A	INF	INF	C-746-Q	Storage Facility	30,967	N/A	N/A
DEA	DEA	N/A	INF	INF	C-746-Q1	Building	16,335	N/A	N/A
REM	REM	N/A	INF	INF	C-746-R	Storage Area	2,160	N/A	N/A
REM	REM	N/A	INF	INF	C-746-S	Landfill	5 acres	N/A	N/A
REM	REM	N/A	INF	INF	C-746-S1	Building	320	264	56 (1)
REM	REM	N/A	INF	INF	C-746-S-T01	Trailer	160	160	N/A
REM	REM	N/A	INF	INF	C-746-T	Landfill	10 acres	N/A	N/A
REM	REM	N/A	INF	INF	C-746-U	Landfill	60 acres	N/A	N/A
REM	REM	N/A	INF	INF	C-746-U Fence	Landfill Fence	8,380 ft	N/A	N/A
REM	REM	INF	INF	INF	C-746-U1	Building	624	128	72 (1)
REM	REM	N/A	INF	INF	C-746-U10	Shed	392	N/A	N/A
REM	REM	N/A	INF	INF	C-746-U11	Shed	392	N/A	N/A
REM	REM	N/A	INF	INF	C-746-U12	Shed	392	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
REM	REM	N/A	INF	INF	C-746-U13	Trailer	360	N/A	360 (1)
REM	REM	INF	INF	INF	C-746-U2	Building	3,048	2976	64 (1)
REM	REM	INF	INF	INF	C-746-U3	Leachate Facility	250	N/A	N/A
INF	INF	INF	INF	INF	C-746-U4	Shelter	72	N/A	N/A
REM	REM	INF	INF	INF	C-746-U-T14	Trailer	360	N/A	400 (1)
REM	REM	N/A	INF	INF	C-746-V	Waste Staging Area	9,999	N/A	N/A
DEA	DEA	N/A	INF	INF	C-746-X	Building - Electrical Storage	TBD	N/A	N/A
REM	REM	N/A	INF	INF	C-747	Burial Yard	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-747-A	Burial Yard	16,704	N/A	N/A
REM	REM	N/A	INF	INF	C-747-A-T01	Trailer	500	500	N/A
REM	REM	N/A	INF	INF	C-747-B	Burial Yard	4,068	N/A	N/A
REM	REM	N/A	INF	INF	C-747-C	Area	10,197	N/A	N/A
REM	REM	N/A	INF	INF	C-747-D	Pad	10,000	N/A	N/A
REM	REM	N/A	INF	INF	C-747-E	Pad	10,000	N/A	N/A
REM	REM	N/A	INF	INF	C-747-F	Trailer	336	336	N/A
REM	REM	N/A	INF	INF	C-747-FENCE	Fence	2124 ft	N/A	N/A
REM	REM	N/A	INF	INF	C-747-T07	Trailer	336	N/A	N/A
REM	REM	N/A	INF	INF	C-748-A	Area	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-748-B	Area	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-749	Yard	N/A	N/A	N/A
INF	INF	INF	INF	INF	C-750	Building	11,866	285	358 (2)
REM	REM	N/A	INF	INF	C-750-D	OSF - Underground Storage Tank	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-751	OSF - Fuel Dispensing Facility	N/A	N/A	N/A
REM	REM	N/A	INF	INF	C-752	Pad	8,800	N/A	N/A
REM	REM	INF	INF	INF	C-752-A	Storage Facility	42,000	1200	N/A
REM	REM	N/A	INF	INF	C-752-A-ENC	Waste Containment Enclosure	756	N/A	N/A
REM	REM	N/A	INF	INF	C-752-A-T09	Trailer	440	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
REM	REM	N/A	INF	INF	C-752-B	Pad	4,200	N/A	N/A
REM	REM	N/A	INF	INF	C-752-C	Building	7,260	N/A	N/A
REM	REM	N/A	INF	INF	C-752-D	Pad	1944	N/A	N/A
REM	REM	N/A	INF	INF	C-752-T01 THROUGH T08	Sealand Trailers	2,700	N/A	N/A
REM	REM	N/A	INF	INF	C-753-A	Storage Facility	32,160	N/A	N/A
DEA	DEA	N/A	INF	INF	C-754	OSF - Low Level Waste Storage	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-754-A	OSF - Waste Mgmt Staging Area	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	C-754-B	Building - Low Level Waste Storage	TBD	TBD	TBD
INF	INF	INF	INF	INF	C-755-A	Maintenance Shop	3,630	N/A	N/A
INF	INF	N/A	INF	INF	C-755-A1	Shed	108	N/A	N/A
REM	REM	INF	INF	INF	C-755-B	Building	2,400	N/A	1,603 (2)
REM	REM	N/A	INF	INF	C-755-C	Building	600	600	N/A
REM	REM	INF	INF	INF	C-755-D	Guard shack	100	100	N/A
INF	INF	N/A	INF	INF	C-755-E	Shelter	160	N/A	N/A
INF	INF	N/A	INF	INF	C-755-F	Shelter	160	N/A	N/A
INF	INF	N/A	INF	INF	C-755-FENCE	Fence	2,264 ft	N/A	N/A
INF	INF	N/A	INF	INF	C-755-G	Shelter	160	N/A	N/A
INF	INF	N/A	INF	INF	C-755-H	Shelter	160	N/A	N/A
INF	INF	N/A	INF	INF	C-755-M	Shed	120	N/A	N/A
INF	INF	N/A	INF	INF	C-755-P	OSF - Gravel Parking Lot	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-755-T	Shed	504	N/A	N/A
REM	REM	INF	INF	INF	C-755-T01 THROUGH T09	Trailers	14,280	12,650	976 (10)
REM	REM	N/A	INF	INF	C-755-T10 THROUGH T12	Trailers	672	N/A	N/A
INF	INF	INF	INF	INF	C-755-T17	Trailer	840	N/A	570 (1)

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
REM	REM	INF	INF	INF	C-755-T19	Trailer	480	N/A	96 (1)
REM	REM	INF	INF	INF	C-755-T22	Trailer	1,084	897	N/A
REM	REM	INF	INF	INF	C-755-T23	Trailer	224	224	N/A
REM	REM	N/A	INF	INF	C-755-T24	Sealand Storage Trailer	360	360	N/A
INF	INF	N/A	INF	INF	C-755-U	Equipment sheds (8)	4032	N/A	N/A
INF	INF	N/A	INF	INF	C-755-V	Equipment shed	270	N/A	N/A
DEA	DEA	N/A	INF	INF	C-757	Building - Solid and LL Waste Processing	10,000	200	224 (2)
DEA	DEA	INF	INF	INF	C-757-T01	Trailer/Office	160	160	N/A
REM	REM	N/A	INF	INF	C-759	Area	124,893	N/A	N/A
REM	REM	N/A	INF	INF	C-760	Pad	N/A	N/A	N/A
REM	REM	INF	INF	INF	C-764	Trailers	15,936	12,271	1,634 (22)
REM	REM	N/A	INF	INF	C-770	Building gone	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-800	Building - Meteorological Tower	1,620	N/A	N/A
INF	INF	INF	INF	INF	C-801	Building - Communications Building	1,080	N/A	N/A
DEA	DEA	N/A	INF	INF	C-802	OSF - Meteorological Tower	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-802A	Building	168	N/A	N/A
DEA	DEA	N/A	INF	INF	C-802B	Building	24	N/A	N/A
INF	INF	N/A	INF	INF	C-810	OSF - Parking Area (C-100)	N/A	N/A	N/A
INF	INF	N/A	INF	INF	C-811	OSF - Parking Area (C-720)	N/A	N/A	N/A
INF	N/A	N/A	INF	INF	D-1	SW areas	20.6 acres	N/A	N/A
INF	N/A	N/A	INF	INF	D-1	SW areas (1 & 3)	20.6 acres	N/A	N/A
INF	N/A	N/A	INF	INF	E-1	Access Road	150 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-1	Perimeter Fence	8.1 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-10	Area east of C-611	15.5 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-11	C-611-M area	2 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-11	C-611-N area	2 acres	N/A	N/A

Operationally Responsible	S&M	Janitorial	Pest Control	Grounds Service	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage as Specified	Office / Conf. Rooms Sq.ft.	Restroom Sq. ft. (number of restrooms)
INF	N/A	N/A	INF	INF	F-12	Area	34.2 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-13	Road - New	50 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-13	Road - Old	50 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-14	Areas	4 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-2	C-755 area	7.9 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-3	Roads	40 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-4	C-103 Bldg.	2.4 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-5	Road Area	45.8 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-6	C-743-T-17	1.3 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-7	C-752 area	16 acres	N/A	N/A
INF	N/A	N/A	INF	INF	F-8	C-730 area	1.8 acres	N/A	N/A
REM	N/A	N/A	INF	INF	F-9	Landfill	18.2 acres	N/A	N/A
INF	N/A	N/A	INF	INF	G-1	Boundary mrkrs	4 acres	N/A	N/A
REM	N/A	N/A	INF	INF	H-1	Monitoring Wells	4 acres	N/A	N/A
REM	N/A	N/A	INF	INF	I-1	Plumes	2.6 acres	N/A	N/A
INF	INF	INF	INF	INF	K-T01	Trailer	1,440	N/A	N/A
INF	INF	N/A	INF	INF	Railroad Tracks (C-RR, C-RR-T, C-AREA)	OSF - Railroad Tracks	21,320 LF	N/A	N/A
DEA	DEA	N/A	INF	INF	Raw Water Supply Lines	OSF - Raw Water Supply Lines	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	Underground Sanitary Water Lines	OSF - Underground Sanitary Water Lines	N/A	N/A	N/A
DEA	DEA	N/A	INF	INF	Underground Sewer Lines	OSF - Underground Sewer Lines	N/A	N/A	N/A

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.2.2 Listing of Other Site Contractors' Equipment Being Maintained

Radiation Monitors*

Type/Contract	Remediation	Deactivation	Totals
Whole Body Monitors (Canberra, Argos 5PAB)	16	16	32
Portable Alpha Beta Monitors *(friskers, meters, scalers, etc.)*	100	196	296
Table top multiple sample monitors *(Canberra Tennelec 5XLB)*	0	4	4
Hand / Foot Monitors *(Berthold 4906 AB gas proportional)*	0	4	4

*The above quantities are estimates. During the performance period quantities can vary by -10% to +25%.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.2.3 Quantity of Personnel Active in Radiological Monitoring Program(s)

Personnel in the Dosimetry Program

Estimated Quantities of Active Personnel[1, 2]			
Organization	**Dosimetry**	**PNAD**	**BioAssay**
Remediation Contractor	250	100	200
Deactivation Contractor	750	400	3,000
DOE	85	20	30

(1) Quantities will vary by year/workload of organizations.

(2) Includes visitors/corporate personnel/visitors, etc. of Organization

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.3a Security Services Workload History

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.3a Security Services Workload History

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S&S Plans & Procedures	Annual Quantity
Technical Security Plans	32
Technical Security Policies	13
Technical Security Procedures	21
Technical Security Protocols	46
Technical Security Forms	38
Technical Security Periodic Procedure Reviews	25
MOAs/MOUs (PCSO/SCSO)	2
Security Consultant Vulnerability/Risk Analyses & Special Projects Documents Processed	41

Foreign Ownership Control & Influence	Annual Quantity
FOCI Initial Submittals	0
FOCI Initial Determinations	1
FOCI Added Facility Clearances	39
FOCI Changed Facility Clearances	65
FOCI Registrations	129
FOCI 5 year Redetermination Packages	0
FOCI Terminations	20
FOCI Reconciliation Meeting	0
Contractor FSO Changes	1

Incidents of Security Concern	Annual Quantity
IOSCs Reported	27
IOSCs Closed	23
Security Infractions Issued	10
Other Investigations	18

Control of Classified Visits	Annual Quantity
Site Visits Involving Transfer/Discussion of Classified	3

Other Visitor Control	Annual Quantity
Visit Requests Process	1,500
Special Visits/Site Tours	31
Walk in Visitors	3,000
Walk-in Enrollments	500
Walk-in Portal Enrollments	1,200
Forgotten Badges	200
Vehicle Passes Processed	100
Badges Made	830
Enrollment into the LAs	38
GET, Clearance, Termination Updates	2,000

Key & Lock Control	Annual Quantity
Best Keys Issued	382
Best Cores Installed	524
Key Transfer Requests	173
Key Returns	205
Padlocks Issued	333
Administrative Desk/Cabinet Keys Issued	309
LOTO Locks Issued	1,596
Combination Locks Issued	351
Medeco Locks	12
Open Locked Cabinets/Desks Requests	570
Open Locked Vehicle Requests	40
GSA Containers Declassified	20
Shipment Support	221
LOTO Lock & Key Training (hours)	81
X09 Locks Recovered for Reuse	6
X09 Combination Changes	30

Foreign National Visits & Assignments	Annual Quantity
Foreign National Visits Conducted	20
Foreign National Visit Requests Submitted to DOE	20

Export Control Program	Annual Quantity
ECI Reviews/Walk Downs Conducted	65
Photographs of Materials Disposition Evaluations	10,000
Documents and Drawings Reviewed	37,784

Security Training and/or Briefings	Annual Quantity
Initial Security Briefing	829
Comprehensive Security Briefing	355
2013 PPPO Annual Security Refresher	1,500
Classified Matter Awareness	484
Classified Matter	507
Unclassified Controlled Information	1,500
Training for Administrators & Users of Classified Information Systems	1,500
Active Shooter	1,500
Escort Responsibilities	1,500
Transportation Security Awareness	24
Transportation Security	1,154
Shipments	30
Security Awareness Program	1,500
Unclassified Foreign National Visits & Assignments	20
Counterintelligence (Travel Related)	20
Self-Assessments	22

Personnel Security	Annual Quantity
Uncleared Files Maintained	126
Clearances Maintained	625
SF-85 Initiated	221
SF-85 Submitted	221
SF-86 Initiated	117
Clearances Submitted to DOE for Processing	500
Clearances Granted	500
Reinvestigations Initiated/Processed	200
Clearance Retention Requests	14
Return to Work after Retention	20
Terminated after 60 day Retention Expired	20
Terminated	60
Downgraded	20
Extensions	80
Upgrades	50
Reinstatements	200
Drug Tests Received for Verification/Processing in Connection to Clearances	134
Annual Random Drug Tests Coordinated (Excludes DUF6 Project and DOE)	360

HSPD-12	Annual Quantity
HSPD-12 Enrollment	606
HSPD-12 Credentials Activated or Updated	800
HSPD-12 Credential Pin Reset	250
HSPD-12 Credentials Checked In	800
HSPD-12 Sponsorships	42
HSPD-12 Sponsorships (Future)	246
HSPD-12 Reprints	80
HSPD-12 Reissued	80
HSPD-12 Suspensions	19
HSPD-12 Records Made Active	218
HSPD-12 Email Notices Resent	49
HSPD-12 Destroyed	502
HSPD-12 ReKey	92
HSPD-12 Renewal	450
HSPD-12 Termination	200
LSSO Badges	500

Classification/Declassification Program	Annual Quantity
Photographs(photos)	33,380
Administrative Releases (pages)	20,701
Formal Reports (pages)	23,079
Engineering Drawings (drawings)	1,477

FOIA/NIOSH/Sub-Title E Report Reviews	Annual Quantity
Medical Files- FOIA (pages)	9,528
Medical Files-NIOSH (pages)	7,327
Medical Files-Sub Title E (pages)	31,215
Medical Files – Privacy Act (pages)	165
Medical Files – Contract Transition (pages)	0
Medical Files-Litigation (pages)	40
Personnel Files- FOIA (pages)	3,846
Personnel Files- Privacy Act (pages)	5,562
Personnel Files- SUB-TITLE E (pages)	26,485
Personnel Files-NIOSH (pages)	71
Personnel Files-Human Resources (pages)	0
Historical Photographs (photos)	0
EEOICPA/FOIA Requests Processed	618
Privacy Act Claims Processed	17

Operations Security (OPSEC)	Annual Quantity
OPSEC Working Group Meetings	12
OPSEC Surveillances/Walk Downs Conducted	200
OPSEC Bulletins Issued	12
OPSEC Plan/Procedure Revisions	1
Trained CO on OPSEC Reviews for the Web	1

Performance Assurance	Annual Quantity
Exercises	50
PAPP Committee Meetings	12
Limited Scope Performance Tests (LSPTs)	30
SECON Drill Tabletop	1

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.3.3 Automated Access Control System Listing

Automated Access Control Systems

Total: 30 automated access control stations

Environmental Remediation

Facility	Number
C-755	5
C-764	3
C-730	2
C-103	3
Kevil	4

Note: Also have two at BWCS and two at Liberty

Deactivation Contractor

Facility	Number
Post -1	2
Post -15	2
Post -48	2
Portable Portals	3
C-300	1
C-100 (IT)	1
C-100 (Vaults)	2

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.4.1 INFORMATION TECHNOLOGY SERVICE MATRIX

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.4.1 INFORMATION TECHNOLOGY SERVICE MATRIX

Equipment/Software/Service	ISS	Deactivation	ETS	DOE
Cell/Blackberry/Smartphone equipment	**Y**			
Mobile Device Management service	**Y**	**Y**		
Copier equipment	**Y**		**Y**	**Y**
Copier maintenance	**Y**		**Y**	**Y**
Copier - toner	**Y**		**Y**	**Y**
Copier - paper & other media	**Y**		**Y**	**Y**
Printer equipment	**Y**		**Y**	**Y**
Printer consumables (toner, etc.)	**Y**		**Y**	**Y**
Printer paper	**Y**		**Y**	**Y**
Computer hardware	**Y**			
Computer core software (PC)	**Y**	**Y**		
FAX hardware and consumables	**Y**		**Y**	**Y**
Pager service	**Y**	**Y**	**Y**	**Y**
Telephone service	**Y**	**Y**	**Y**	**Y**
Internet service	**Y**	**Y**		**Y**
Local Area Net installation	**Y**	**Y**	**Y**	**Y**
Local Area Net administration	**Y**	**Y**		
Data line PGDP to PORTS (DS3)				**Y**
Video conferencing equipment	**Y**	**Y**	**Y**	**Y**
Video conferencing service	**Y**	**Y**	**Y**	**Y**
Help Desk service	**Y**	**Y**		
Computer User Support	**Y**	**Y**		
Computer System Administration	**Y**	**Y**		
Computer Application Administration	**Y**	**Y**		
Data Base Administration	**Y**	**Y**		
Computer equipment install & repair	**Y**	**Y**		
System Analysis & Programming	**Y**	**Y**		
Cyber Security oversight	**Y**	**Y**		

Y - Represents an item the Infrastructure Support Services (ISS) Contractor shall provide to others.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.4.2 Information Technology System Application Inventory and Workload History

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.4.2 Information Technology System, Application Inventory and Workload History

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SYSTEM					
SYSTEM DESCRIPTION	**PRIMARY SITE**	**ALTERNATE SITE**	**TOTAL IN USE**	**TOTAL SPARE**	**TOTAL DEVICES**
Standalone Servers	15	N/A	15	10	25
Blade Chassis	2	N/A	2	4	6
Blade Servers	24	N/A	24	0	24
Desktops	N/A	N/A	630	15	645
Thin Clients	N/A	N/A	220	5	225
Laptops	N/A	N/A	80	5	85
Tablets	N/A	N/A	0	0	0
Other	0	0	0	0	0

STORAGE					
STORAGE TYPE	**PRIMARY SITE**	**ALTERNATE SITE**	**TOTAL SPACE IN USE**	**TOTAL SPARE SPACE**	**TOTAL SPACE**
SANS	7	0	118TB	35TB	153TB
DAS	0	0	0	0	
NAS	0	0	0	0	0
Tape Devices	3	0	NA	NA	NA
Other	0	0	0	0	0

NETWORK				
DEVICE DESCRIPTION	**TOTAL PRIMARY**	**TOTAL ALTERNATE**	**TOTAL SPARE**	**TOTAL DEVICES**
Routers	1	0	1	2
Core Switches	2	0	0	2
Switches	110	0	10	120
Wireless Controllers	2	0	0	2
Wireless Access Points	50	0	2	52
Firewalls	2	0	2	4
Battery Backups	10	0	12	22
IP Cameras	47	0	2	49
AACS	1	0	0	1

CYBER / INFORMATION SECURITY					
FUNCTION DESCRIPTION	**TOTAL PRIMARY**	**TOTAL ALTERNATE**	**REVIEWED PER YEAR**	**TOTAL BOUNDARIES**	**TOTAL DEVICES**
General Support Systems	N/A	N/A	N/A	1	N/A
Classified Systems	N/A	N/A	N/A	1	N/A
Security Appliances	6	0	N/A	N/A	0
Logging Systems	1	0	N/A	N/A	1
Compliance Systems	1	0	N/A	N/A	1
Procedures	N/A	N/A	14	2	N/A
Policies	N/A	N/A	1	2	N/A
Plans	N/A	N/A	1	2	N/A
Security Plans	N/A	N/A	2	2	N/A
Other	N/A	N/A	N/A	N/A	N/A

TELECOMMUNICATIONS						
FUNCTION DESCRIPTION	**REPLACED PER YEAR**	**CONNECTIONS PER YEAR**	**CALLS PER MONTH**	**TOTAL BANDWIDTH**	**TOTAL CONNECTIONS**	**TOTAL DEVICES**
Internet Connectivity	N/A	1	N/A	100MB	1	N/A
Telco Connectivity	N/A	Unknown	Unknown	N/A	98 Trunks	N/A
PBX	N/A	Unknown	Unknown	Unknown	2951 Total TN's	2781 Total Phones
Voice Mail	N/A	Unknown	Unknown	N/A	20 Trunks	775 Voicemail Boxes
Digital Phones	Unknown	Unknown	Unknown	N/A	N/A	1000 Estimated
Analog Phones	Unknown	Unknown	Unknown	N/A	N/A	1781 Estimated
Pagers	0	0	0	N/A	N/A	0
Intercom	Unknown	Unknown	Unknown	N/A	N/A	950 Speakers
VTC	0	0	0	N/A	N/A	0
PORTS to PGDP Connections	N/A	0	0	100MB	0	N/A
Secure Phones	Unknown	Unknown	Unknown	Unknown	Unknown	5
Site Wide Connectivity	Unknown	Unknown	N/A	100MB	Unknown	1
Blackberries	10	Unknown	Unknown	NA	NA	40(SST), 160(LATA), 160(Deactivation)

HELP DESK / SERVICE DESK		
FUNCTION DESCRIPTION	**PER MONTH**	**PER YEAR**
Hardware Tickets Opened	34	404
Hardware Tickets Closed	29	344
Application Tickets Opened	37	438
Application Tickets Closed	33	394
AVG Response Time	30 Hours to close	30 Hours to close
Equipment Installed	12	144
Equipment Repairs	0	0
Equipment Replacement	24	288
Number of Users	900	900

PRIMARY PROCESSING FACILITY			
FACILITY FUNCTIONS	**Primary**	**Secondary**	**TOTAL**
Power	50 KVA	N/A	50 KVA
Cooling	15,000 CFM – BTU Varies	2x 15 Ton Units	
Connectivity	10G Connectivity	N/A	10G
Lighting	Unknown	Unknown	Unknown

ALTERNATE PROCESSING FACILITY				
FACILITY FUNCTIONS	**Primary**	**Secondary**	**Tertiary**	**TOTAL**
Power	N/A	N/A	N/A	N/A
Cooling	N/A	N/A	N/A	N/A
Connectivity	N/A	N/A	N/A	N/A
Lighting	N/A	N/A	N/A	N/A

DATABASE ADMINISTRATION				
DATABASE SYSTEM	**VERSION NUMBERS**	**TOTAL LICENSES**	**NUMBER LICENSES IN USE**	**TOTAL SYSTEMS**
SQL Databases	2005,2008,2012,2014	10	10	10
Oracle Databases	8.x – 11.x	3	3	3
Other	2.x	2	2	2

CORE SOFTWARE					
APPLICATION TITLE	**VERSION NUMBER**	**NUMBER OF LICENSES IN USE**	**TERM AND EXPIRATION DATE OF LICENSE**	**TOTAL ALLOWABLE USERS**	**TOTAL NUMBER OF LICENSES**
MS Outlook	2013	850	Continuous	900	900
MS Office	2013	850	Continuous	900	900
MS Visio	2013	12	Continuous	12	12
MS Project	NA	0	N/A	0	0
Adobe Acrobat	11	850	Yearly	900	900
Entrust	9	850	No Expiration	Unlimited	Unlimited
MS Windows	7	850	Continuous	900	900
System Center Endpoint Protection	0	0	N/A	0	0
MS Lync	2013	850	Continuous	900	900
Maximo, or approved equivalent *(For use by ISS and DOE)*	Current	Up to 5	Yearly	Up to 5	Up to 5

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.1.3 Fleet Vehicles

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.1.3 Fleet Vehicles

ISS Contractor Assigned Fleet Vehicles		
Vehicle Type	**Owner/Age**	**Quantity**
MD Bus	DOE/252 months	1
Ambulance	DOE/156 months	1
HD E/ER	DOE/240 months	1
LD SUV 4x2	DOE/48 months	6
HD	DOE/156 months	2
MD Pickup	DOE/48 months	1
LD Pickup 4x2	DOE/36 months	2
MD Van (Passenger)	DOE/216 months	1
LD Van 4x2 Passenger	DOE/204 months	1
LD Other 4x2	GSA Lease	1
LD Minivan (Passenger)	GSA Lease	1
LD Pickup 4x2	GSA Lease	9
MD Other	GSA Lease	1
LD Van 4x2 (Cargo)	GSA Lease	1
MD Van (Cargo)	GSA Lease	1
LD Pickup 4x4	GSA Lease	1
LD Pickup 4x4	GSA Lease	1
MD Other	GSA Lease	1
Sedan	GSA Lease	7
4x2 F-150	GSA Lease	23
7 Passenger van	GSA Lease	2
Service Utility Truck	GSA Lease	1
Cargo van	GSA Lease	1
Dump Truck	GSA Lease	1
	DOE OWNED TOTAL	16
	GSA LEASED TOTAL	52
	TOTAL VEHICLES	68

NOTE: Other site contractors have approximately 250 GSA leased vehicles (plus or minus 15%).

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.2.2.2 Estimated Annual Level II Service Order(s)

Due to the methods used to collect data in the past and the new methodology this contract implements for this type of work, Level II Service Order Annual Workload is projected below.

Number of Level II Service Orders	Estimated Average Direct Labor Hours Per Service Order	Estimated Direct Material Cost Per Service Order
240	32	600

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3a Characteristics of Facilities for Surveillance and Maintenance, Others:
Facilities Occupied by DOE and Other Site Contractors

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3a Characteristics of Facilities for Surveillance and Maintenance, Others: Facilities Occupied by DOE and Other Site Contractors

Facility Identification #	Property Name	Asset Type	Model Building Type	Roofing System	HVAC Type	Overhead / Rolling Doors	VTE*	Secure Keys, Vaults, Locks	Gross Sqft	Total No of Occupants	Hours of Operation (weekly)	Year Built	Net Usable Sqft	No. of Floors
C-100	Administration Building	501 Buildings	MB09 Concrete Shear Walls	Built up asphalt over concrete	RCW/Chilled Water	0	1	2 vaults	67,516	76	60	1953	44,580	3

*VTE (Vertical Transport Equipment)

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3b Characteristics of Facilities for Surveillance and Maintenance, Assigned:
Government Furnished Facilities for use by the Contractor

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3b Characteristics of Facilities for Surveillance and Maintenance, Assigned: Government Furnished Facilities for use by the Contractor

Facility Identification #	Property Name	Asset Type	Model Building Type	Roofing System	HVAC Type	Overhead / Rolling Doors	VTE*	Secure Keys, Vaults, Locks	Gross Sqft	Total No of Occupants	Hours of Operation (weekly)	Year Built	Net Usable Sqft	No. of Floors
C-101	Cafeteria	501 Buildings	MB09 Concrete Shear Walls	Built up asphalt over concrete	RCW/Chilled Water	0			18,326	6	60	1953	13,448	2
C-103	DOE Office Facility	501 Buildings	MB13 Reinforce Masn Bear Walls/Wood,Metl Deck Dphm	Rubber over concrete	7 Roof Mount Heat Pumps	0			10,648	51	60	1997	5,237	1
C-103 Annex	DOE Office Annex	501 Buildings	Masonite siding, Modular	Rubber over metal	4 Wall Mount Heat Pumps	0			3,200	16	60			1
C-103 Parking Area	C-103-PL	470 Roads, Walks and Paved Areas	N/A	N/A	N/A	0			25,900	0	0			
C-212-U	Utility Operations Office	501 Buildings	MB09 Concrete Shear Walls	Built up asphalt over concrete	Window units and ceiling elect heaters	0			1,715	3	60	1954	1,132	1
C-220-D1	Bell Telephone System	610 Communications Systems	N/A	N/A	N/A	0			N/A	0	168		N/A	N/A
C-220-D2	PAX Telephone System	610 Communications Systems	N/A	N/A	N/A	0			N/A	0	168		N/A	N/A
C-225-A	Post 48	501 Buildings	Steel siding	Steel	2 Split SystemHeat Pumps	0			2,100	3	60			1
C-229	Post 229	501 Buildings	Steel siding, modular	Coated Metal	1 Wall Mount AC with heat strips	0			600	0	0			1
C-612-A	Pump and Treat Decon Pad	550 Other Structures	Concrete	N/A	N/A	0			4,160	0				1
C-612-B	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			48	0				1
C-615-H4	Sewage Lift Station	640 Sewage Systems	Concrete	N/A	None	0			N/A	0	60		N/A	1
C-730-A	Storm Shelter	550 Other	In ground steel	Metal	None	0			48	0				1

Facility Identification #	Property Name	Asset Type	Model Building Type	Roofing System	HVAC Type	Overhead / Rolling Doors	VTE*	Secure Keys, Vaults, Locks	Gross Sqft	Total No of Occupants	Hours of Operation (weekly)	Year Built	Net Usable Sqft	No. of Floors
		Structures												
C-743-B	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			160	0				1
C-743-C	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			96	0				1
C-743-T11	Trailer, Office	501 Buildings	MB05 Steel Light Frame	Coated metal	2 Wall Mount AC's with heat strips	0			1,600	7	60	1992		1
C-743-T13	Trailer, Office	501 Buildings	MB05 Steel Light Frame	Coated metal	2 Wall Mount AC's with heat strips	0			1,600	3	60	1992		1
C-743-T14	Trailer, Office	501 Buildings	MB05 Steel Light Frame	Coated metal	2 Wall Mount AC's with heat strips	0			1,600	3	60	1992		1
C-746-U4	Storm Shelter	550 Other Structures	Steel, in ground	Metal	None	0			72	0				1
C-750	Garage	501 Buildings	MB04 Steel Braced Frame	Built up asphalt	5 Ceiling hung steam heaters	2 Electric Rollup 6 Electric Overhead			11,866	3	60	1952	6,999	1
C-755-A	Maintenance Shop	501 Buildings	MB05 Steel Light Frame	Steel	6 Elec Ceiling Heaters	4 Electric Rollup Doors			3,360	0	60	1994	3,203	1
C-755-A1	Brine Solution Building	501 Buildings	Prefab, Fiberglass	Fiberglass	None	0								
C-755-E	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			160	0				1
C-755-F	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			160	0				1
C-755-FENCE	C-755 Fence	480 Fences And Guard Towers	Galvanized, chain link, with 3 strand barb wire on top	N/A	N/A	0			2,166 linear feet	0				N/A
C-755-G	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			160	0				1
C-755-H	Storm Shelter	550 Other Structures	In ground steel	Metal	None	0			160	0				1
C-755-M	Storage Building	550 Other Structures	Wood (portable)	Asphalt Shingle	None	0			128	0				1

Facility Identification #	Property Name	Asset Type	Model Building Type	Roofing System	HVAC Type	Overhead / Rolling Doors	VTE*	Secure Keys, Vaults, Locks	Gross Sqft	Total No of Occupants	Hours of Operation (weekly)	Year Built	Net Usable Sqft	No. of Floors
C-755-P	Parking Lot	470 Roads, Walks, And Paved Areas	White rock	N/A	N/A	0			51,300	0				N/A
C-755-T	Storage Building	550 Other Structures	Wood (portable)	Asphalt Shingle	None	0			360	0				1
C-755-T17	Trailer, Shower & Change Room	501 Buildings	MB05 Steel Light Frame	Coated metal	1 Wall Mount AC	0			840	0	60	2000		1
C-755-U	Metal Car Ports	550 Other Structures	Steel	Steel	N/A	0			2,520	0	60			1
C-755-V	Salt Storage	550 Other Structures	Steel, wood lined	Steel	N/A	0			336	0	60			1
C-800	Motorcycle Parking Area	501 Buildings	Open shed, steel post, transite siding	Built up asphalt	N/A	0			1,620	0	60	1953	1,474	1
C-801	Ohio Avenue Bus Shelter	501 Buildings	Open shed, steel post, transite siding	Built up asphalt	None	0			1,080	0	60	1953	983	1
C-802A	Communications Building	501 Buildings	Concrete	Prefab concrete	1 Wall Mount AC with heat strips	0			168	0	60	1954	131	1
C-810	Parking Area (C-100)	470 Roads, Walks, And Paved Areas	Asphalt	N/A	N/A	0			244,700	0				N/A
C-811	Parking Area (C-720)	470 Roads, Walks, And Paved Areas	N/A	N/A	N/A	0			188,500	0				N/A
K-T01														
Railroad Tracks	Rail roads	Rail road system	Steel, 90#, 112# and 115#	N/A	N/A	0				0				N/A

*VTE (Vertical Transport Equipment)

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3c Maintenance Requirements for Buildings, Structures, Installed Equipment, System(s) and Component

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
ATTACHMENT J-8.C.3.5.3c Maintenance Requirements for Buildings, Structures, Installed Equipment, System(s) and Component

The following details the expectations for work performed under this Contract when work is ordered or performed.

1) **Roofing Systems.** All roofing systems for facilities shall be inspected, maintained, and repaired in accordance with industry practice and the National Roofing Contractors Association (NRCA) "Roofing and Waterproofing Manual." All maintenance and repairs shall be accomplished to ensure that the roofing systems remain as watertight assemblies, that water does not enter the interior of the building or the insulating layer, and that the water drains freely from the roof surface at all times. Damaged, deteriorated, or missing roofing, sheathing, flashing, gravel stops, miscellaneous roof structures and components, and structural supports shall be repaired or replaced as required to provide a watertight seal and to retain the original whole condition of the roof system.

2) **Structural Components.** In the inspection, installation, maintenance, and repair to assets, the Contractor shall develop standards as required. The Contractor shall inspect all structural components that shall include: foundations and exterior walls, interior walls and ceilings, chimneys and stacks, porches and decks, structural elements, loading ramps and platforms, exterior and interior stairs, sub-floors, windows, glazing, and thermal and moisture protection.

3) **Interior Walls, Ceilings, and Trim.** Damaged and deteriorated walls, ceilings, and related trim shall be repaired or replaced to provide an attractive surface which is free of noticeable cracks, rips, scars, spalls, raised areas, holes and dents, broken or missing components, and marks and stains. Trim items and ceiling fixtures shall be removed as necessary to provide access to the damaged area. Upon completion of the repair activity, fixtures and trim shall be reinstalled, and items repainted or refinished to restore them to their original condition. Broken and stained ceiling tiles shall be replaced with tiles of the same material, style, size, and color. A damaged or broken suspended grid system shall be repaired or replaced as necessary to provide a suspended ceiling system as designed.

4) **Interior Doors.** Interior doors shall be maintained and repaired, as necessary to operate smoothly without binding or sticking. Damaged, deteriorated, or missing doors and associated hardware shall be repaired or replaced as required. The replaced doors shall be the same type and have the same finish as the original doors. Scarred areas of doors shall be sanded, sealed and finished to match the surrounding door surface.

5) **Doors, Windows, and Screens.** Doors, windows, and screens shall operate smoothly without binding or sticking in accordance with the manufacturer's design. Damaged, deteriorated, or missing doors, windows, and screens, and associated components shall be repaired or replaced as required. Caulking, glazing, and weather stripping shall be fully intact to maintain a completely weather tight seal. Replacement glass shall be of the same size, type, and quality as the existing glass. Safety glass shall be provided where required by

building codes regardless of the existing type of glass. Damaged, deteriorated, warped, swollen, and sagging doors shall be repaired/replaced with doors of the same type and size. Damaged, inoperable, or missing hardware such as hinges, locks, striker plates, latches, keepers, window operating mechanisms, door closures, springs, etc. shall be adjusted, repaired, or replaced as required. Replacement hardware shall match existing hardware in type, size, quality, and finish and meet the Building Hardware Manufacturers Association (BHMA) Product Standards. Hardware shall be installed in accordance with the manufacturer's recommendations.

6) **Stairs and Stairwells.** The Contractor shall repair or replace damaged or deteriorated stairs and stairways, including treads, risers, nosings, stringers, brackets, balustrades, handrails, and other components, as required. The Contractor shall secure loose treads, risers, stringers, handrails, brackets, and other components. Stair and handrail components shall be refinished to match original components, as required.

7) **Cabinets and Countertops.** Damaged or deteriorated cabinets, shelving, and countertops shall be repaired or replaced as required. Missing or inoperative hardware shall be replaced. Countertops shall be free of warped, chipped, burned, cut, or otherwise marred areas.

8) **Interior Accessories.** The Contractor shall repair or replace all damaged, inoperative, or missing interior accessories, paper holders, soap trays, dispensers, towel bars, shower curtain rods, medicine cabinets, mirrors, and doorstops. Loose accessories shall be re-secured by tightening or replacing screws or by using a suitable adhesive. Damaged or missing items shall be replaced with items matching the original.

9) **Flooring and Floor Covering.** Damaged or deteriorated flooring, subflooring, and structural members shall be repaired or replaced to provide a structurally sound, uniform, and aesthetic surface which is free of cracks, breaks, chips, tears, gouges, stains, and buckling. Damaged flooring to be replaced shall be removed without affecting adjacent areas. Impacted trim and molding will be replaced. In the installation, maintenance and repair of floor covering, the Contractor shall follow generally accepted trade practices recognized by industry related trade associations or written instructions from the floor-covering manufacturer. The following classifications of floors and floor coverings are found at the PGDP: concrete, vinyl asbestos tile, asphalt tile, resilient floor covering, carpet, and rugs.

10) **Baseboards.** Deteriorated or damaged sections of baseboard shall be removed. Wall and floor surfaces shall be cleaned of all dirt, oil, grease, mildew, moisture, adhesive, and debris. Loose baseboards shall be re-secured to the wall and damaged, deteriorated, or missing baseboard sections shall be replaced.

11) **Exterior Walls.** Damaged or deteriorated wall areas shall be repaired or replaced to restore to a serviceable, structurally sound, and watertight condition. This work includes, but is not limited to, replacing damaged masonry units, tuckpointing loose or eroded mortar joints, sealing penetrations in wall openings; replacing damaged or deteriorated structural members, siding, underlayment, and exterior trim; replacing miscellaneous hardware items; and

removal of vegetation, discoloration, graffiti, or other defects which will render an unsightly appearance to exterior walls.

12) **Exterior Trim.** Exterior trim, including all exterior moldings, shall be repaired or replaced as required. Surfaces to receive trim shall be thoroughly cleaned of sealant and paint build-up prior to installation of trim. Damaged or deteriorated insulation board or underlayment shall be replaced with material of the same type, thickness, and quality. Bird screens and soffit vents shall be intact and free of corrosion and missing pieces.

13) **Gutters and Downspouts.** Clogged gutters and downspouts shall be cleaned out. Broken, damaged, misaligned, or leaking gutters and downspouts shall be repaired or replaced with new material to match original as to gauge, type of material and finish. Loose hangers and fasteners shall be tightened. Missing or broken wire guards, hangers and fasteners for gutters and downspouts, and splash blocks shall be replaced.

14) **Exterior Concrete and Masonry Structures.** Exterior concrete (Portland cement and asphaltic) surfaced areas such as patios, sidewalks, and steps shall be repaired so they are structurally sound, at original alignment and grade, and are free of damage and major cracks. Masonry fences and steps shall be repaired to replace missing or broken masonry units. Deteriorated mortar parts, gaps, breaks, and loose components shall be repaired.

15) **Exterior Accessories.** Damaged, deteriorated, or missing building accessories, exhaust fan vent caps, chimney caps, lighting, and other miscellaneous components and hardware shall be installed, repaired, or replaced as required.

16) **Painting.** In the maintenance and repair of painted surfaces, the Contractor shall prepare and paint surfaces in accordance with manufacture's recommendations and standard industry practice. The Contractor shall accomplish color-coding and directional markings of pipes and conduits, various safety markings on floors and walls, and all other painting tasks needed for safe operation and maintenance of facilities. The Contractor shall not paint over manufacturers' data plates or other items such as outlet covers, hardware, and windows. All furnishings, equipment, floor coverings, and other surfaces that are not to be painted shall be carefully moved, covered, or otherwise protected prior to painting. Items such as hardware, hardware accessories, machined surfaces, blinds, curtains, plates, light fixtures, and similar items in contact with painted surfaces shall be removed, masked, or otherwise protected prior to surface preparation. All removed items shall be reinstalled and furnishings and other property returned to its original position. Painted items shall operate without binding. The Contractor shall be responsible for the cost of repairing any damage caused to Government property. Prior to painting, surfaces to be painted shall be cleaned to remove all dirt, dust, rust, scale, grease, oil, and other deleterious substances. All scratches, nicks, cracks, gouges, spalls, or peeling paint shall be repaired. Paint shall be carefully applied to provide smooth finished surfaces free from runs, drops, ridges, waves, variations in color, or other defects.

17) **Plumbing Systems.** The Contractor shall maintain plumbing systems and their associated components in accordance with State and local plumbing codes. The Contractor's plumbing work shall include the PM of these systems and the repair or replacement of their associated

components. The quality of workmanship shall always be equal to, or better than, the minimum specified by the applicable code. Plumbing systems and fixtures shall be free flowing, in good, safe operating condition, and free of leaks and drips. All sinks, tubs, toilets, urinals, basins, and faucets, lavatories, showers, drain lines, and other plumbing shall be free of leaks and drips, operate properly, drain freely, and be free of cracks. All fixtures and components that cannot be repaired shall be replaced. The Contractor shall mop up, vacuum, or otherwise remove water resulting from overflowing fixtures, leaks, or clogged drains. Surfaces and areas exposed to wastewater shall be disinfected. Walls, ceilings, and other structures, paved areas such as sidewalks and roads, grassed areas, etc. which are damaged by and/or removed to gain access to leaks, clogs, or other defects shall be restored by the Contractor to original condition. Water heaters shall be repaired or replaced as required to provide hot water without leaks. Controls, control devices, and safety devices shall operate safely and properly.

18) **Electrical Material and Equipment.** All electrical equipment, service connections, distribution panels, connections, grounds, outlets, switches, wiring, branch circuits, ground fault circuits, lighting fixtures, and photo cells shall be repaired or replaced as required so as to operate as originally intended and designed, and in a safe manner. Cracked, broken, or missing receptacle and switch faceplates shall be replaced with new plates of the same/original color and size. Light fixture lenses and globes that are damaged or missing shall be replaced. All exterior lighting shall also be repaired/replaced, including light bulb replacement as required so as to operate as originally intended and designed, and in a safe manner. Electrical materials and equipment utilized by the Contractor shall comply with existing codes of the National Fire Protection Association (NFPA), Bureau of Standards, and the American Safety Code. All work shall conform to the requirements of the latest editions of the NFPA-70 (National Electrical Code) and the National Electrical Safety Code (NESC). All electrical equipment, devices, and replacement parts installed shall be Underwriters Laboratory (UL) listed and labeled

19) **Metal/Sheet Metal Working.** The Contractor shall maintain the capability to repair, replace, or construct metal components of buildings and structures, install building equipment, and construct and install metal components in support of other maintenance activities. Metalworking includes the full range of metalworking and sheet metal activities: heating and bending to form metal shapes, drilling, torch cutting, hammer forging, grinding, and sawing and fitting of metal parts. Processes include preheating, brazing, bead welding, flame cutting pressure welding, and heat-treating. The Contractor shall also weld all types of metals using electric, acetylene, and/or inert gas shielded welding processes. Welding shall be performed on light, heavy gauge, and hardened metals using flat, vertical, horizontal, and overhead positions.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.1 Standards Adopted by DOE

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
A 112.18.1M	Plumbing Fixture Fittings
A 112.19.6	Hydraulic Requirements for Water Closets and Urinals
AA	Specifications for Aluminum Structures
AA SAA-46-516124	Standards for Anodized Architectural Aluminum
AA STFA-601711	The Surface Treatment and Finishing of Aluminum and Its Alloys
AABC	National Standard for Total System Balance Air Distribution-Hydronic Systems-Sound-Vibration-Field Surveys for Energy Audits
AAHC	Standards of the Accreditation Association for Ambulatory Health Care (AAAHC), Core and Adjunct Standards
AAMA 1002.10	Aluminum Insulating Storm Products for Windows and Sliding Glass Doors
AAMA 1002.9	Voluntary Specifications for Aluminum Combination Storm Windows for External Applications
AAMA 101	Voluntary Specifications for Aluminum Prime Windows and Sliding Glass Doors
AAMA 101/I.S.2	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors
AAMA 1102.7	Voluntary Specifications for Aluminum Storm Doors
AAMA 611	Voluntary Standards for Anodized Architectural Aluminum
AAMA 800	Sealant Specifications for Use with Architectural Aluminum
AASHTO BM-2	Manual for Bridge Maintenance
AASHTO GDHS-2	A Policy on Geometric Design of Highways and Streets
AASHTO GSDB	Guide Specification for Seismic Isolation Design
AASHTO GSH	Guide Specifications for Highway Construction

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Document Number	Document Title
AASHTO HB-13 (HB-15)	Standard Specifications for Highway Bridges
AASHTO HDG	Highway Drainage Guidelines
AASHTO LTS-1 (LTS-2)	Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals
AASHTO SR	Highway Safety Design and Operations Guide
AASHTO T 104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate
AASHTO T 11	Amount of Material Finer Than 0.075 mm Sieve in Aggregate
AASHTO T 164	Quantitative Extraction of Bitumin from Bituminous Paving Mixtures
AASHTO T 165	Effect of Water on Cohesion of Compacted Bituminous Mixtures
AASHTO T 166	Bulk Specific Gravity of Compacted Bituminous Mixtures
AASHTO T 167	Compressive Strength of Bituminous Mixtures
AASHTO T 245	Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus
AASHTO T 258	Standard Method of Test for Determining Expansive Soils
AASHTO T 27	Sieve Analysis of Fine and Coarse Aggregates
AASHTO T 30	Mechanical Analysis of Extracted Aggregate
AASHTO T 90	Determining the Plastic Limit and Plasticity Index of Soils
AASHTO T 96	Resistance to Abrasion of Small Size Coarse Aggregate by Use of the Los Angeles Machine
AASHTO T89	Determining the Liquid Limit of Soils
AASHTO VLVLR	Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT Less Than or Equal to 400)

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Document Number	Document Title
ACGIH	Industrial Ventilation: A Manual of Recommended Practice
ACGIH TLVs	Threshold Limit Values for Chemical Substances and Physical Agents
ACI 207.1R	Mass Concrete
ACI 207.4R	Cooling and Insulating Systems for Mass Concrete
ACI 211.1	Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete
ACI 211.2	Standard Practice for Selecting Proportions for Structural Lightweight Concrete
ACI 214	Evaluation of Strength Test Results of Concrete
ACI 216.1	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies
ACI 301	Structural Concrete for Buildings
ACI 304 (304R)	Guide for Measuring, Mixing, Transporting, and Placing Concrete
ACI 305R	Hot Weather Concreting
ACI 306R	Cold Weather Concreting
ACI 307	Design and Construction of Reinforced Concrete Chimneys
ACI 308	Curing Concrete
ACI 309	Recommended Practice for Consolidation of Concrete
ACI 309R	Consolidation of Concrete
ACI 315R	Details and Detailing of Concrete Reinforcement
ACI 318	Building Code Requirements for Reinforced Concrete

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Document Number	Document Title
ACI 336.2R	Suggested Analysis and Design Procedures for Combined Footing and Mats
ACI 336.3R	Suggested Design and Construction Procedures for Pier Foundations
ACI 347	Formwork for Concrete, Fifth Edition
ACI 349	Code Requirements for Nuclear Safety Related Concrete Structures
ACI 350-01	Code Requirements for Environmental Engineering Concrete Structures
ACI 350M-01	Code Requirements for Environmental Engineering Concrete Structures (Metric Version)
ACI 350R	Environmental Engineering Concrete Structures
ACI 352R	Recommendations for Design of Beam-Column Joints in Monolithic Reinforced Concrete Structures
ACI 503.4	Standard Specifications for Repairing Concrete with Epoxy Mortars
ACI 515.1R	Guide to the Use of Waterproofing, Damp Proofing, Protective, and Decorative Barrier Systems for Concrete
ACI 530	Building Code Requirements for Masonry Structures Specification for Masonry Structures and Commentary
ACI 531	Building Code Requirements for Concrete Masonry Structures
ACI 531.1	Specifications for Concrete Masonry
ACI 543R	Recommendation for Design, Manufacture, and Installation of Concrete Piles
ACI 546.1R	Guide for Repair of Concrete Bridge Superstructures
ACI MCP 2005	Manual of Concrete Practice (as applicable to the specific project)
ACI SP-4 (347-89)	Formwork for Concrete
ACI SP-66	ACI Detailing Manual

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Document Number	Document Title
ACS PH1.28	Archival Records, Silver-Gelatin Type or Cellulose Ester Base
ACS PH1.41	Archival Records, Silver-Gelatin Type on Polyester Base
ACS PH1.53	Processed Films, Plates, and Papers—Filing Enclosures and Containers for Storage
AFMAN 91-201, Chapt. 2, Sect. A -E, G	Explosives Safety Standards (Explosives Safety Requirements)
AGA 1	Requirements for Heat Reclaimer Devices for Use with Gas-Fired Appliances
AGS G001	Guideline for Gloveboxes, Second Edition
AGS G002	The Standard of Practice for the Design and Fabrication of Glovebags
AGS G003	The Standard of Practice for the Application of Linings to Gloveboxes
AGS G005	Standard of Practice for the Specification of Gloves for Gloveboxes
AGS G006	Standard of Practice for the Design and Fabrication of Nuclear-Application Gloveboxes
AIHA	Hygiene Guide Series
AIHA	Industrial Noise Manual (see Noise and Hearing Conservation Manual)
AIHA	Noise and Hearing Conservation Manual
AIHA	The AIHA 2004 Emergency Response Planning Guidelines and Workplace Environmental Exposure Level Guides Handbook
AIHA	Workplace Environmental Exposure Level Guides
AIIM MS 5	Microfiche
AIIM MS 9	Aperture, Camera, Copy and Image Cards
AIIM MS14	Specifications for 16 and 35 mm Roll Microfilm

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Document Number	Document Title
AIIM MS23	Practice for Operational Procedures/Inspection and Quality Control of First Generation Silver—Gelatin Microfilm of Documents
AIIM MS43	Recommended Practice for Operational Procedures/Inspection and Quality Control of Duplicate Microforms of Documents and From COM
AISC	Code of Standard Practice for Steel Buildings and Bridges
AISC	Detailing for Steel Construction
AISC M 011 (M016-89)	Manual of Steel Construction Allowable Stress Design Ninth Edition
AISC N 690 (S327-84)	Nuclear Facilities—Steel Safety-Related Structures for Design, Fabrication and Erection
AISC S 326 (S328-86)	Specification for Structural Steel Building Load and Resistance Factor Design
AISI	Manual for Structural Application of Steel Cables for Buildings
AISI SG-673	Specifications for the Design of Cold-Formed Steel Structural Members
AMA OOCH-213	Scope, Objectives, and Functions of Occupational Health Programs
AMA OOCH-290	Epidemiology in Occupational Disease and Injury
AMCA 201	Fans and Systems
AMCA 210	Laboratory Methods for Testing Fans for Ratings
AMCA 261	Directory of Products Licensed to Bear the AMCA Certified Rating Seal
AMCA 99	Standards Handbook
ANS 10.3	Guidelines for the Documentation of Digital Computer Programs
ANS 10.4	Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry
ANS 11.13	Concrete Radiation Shields (replaced by ANS 11-1987) (Inactive)

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Document Number	Document Title
ANS 11.16	Design Guides for Radioactive Material Handling Facilities and Equipment
ANS 14.1	Operation of Fast Pulse Reactors
ANS 15-21	Standard Format and Content for Safety Analyses Reports for Small Research Reactors
ANS 15.1	Development of Technical Specifications for Research Reactors
ANS 15.11	Radiation Protection at Research Reactor Facilities
ANS 15.12	Design Objectives for and Monitoring of Systems Controlling Research Reactor Effluents (incorporated into ANS 15.11) (Inactive)
ANS 15.15	Criteria for the Reactor Safety System of Research Reactors
ANS 15.16	Emergency Planning for Research Reactors
ANS 15.18	Administrative Controls for Research Reactors
ANS 15.2	Quality Control for Plate-Type Uranium-Aluminum Fuel Elements
ANS 15.3	Records and Reports for Research Reactors (incorporated into ANS 15.1) (Inactive)
ANS 15.4	Selection and Training of Personnel for Research Reactors
ANS 15.8	Quality Assurance Program Requirements for Research Reactors
ANS 2.17	Evaluation of Radionuclide Transport in Ground Water for Nuclear Power Sites
ANS 2.2	Earthquake Instrumentation Criteria for Nuclear Power Plants
ANS 2.3	Immediate Evacuation Signal for Use in Industrial Installations Where Radiation Exposure May Occur
ANS 3.1	Selection, Qualification, and Training of Personnel for Nuclear Power Plants
ANS 3.2	Quality Assurance Requirements for Operating Nuclear Power Plants

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Document Number	Document Title
ANS 3.4	Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants
ANS 3.5	Nuclear Power Plant Simulators for Use in Operator Training
ANS 3.7.2	Emergency Control Centers for Nuclear Power Plants (replaced by ANS 3.8.2)
ANS 4.5	Criteria for Accident Monitoring Functions in Light-Water-Cooled Reactors
ANS 54.1	General Safety Design Criteria for a Liquid Metal Reactor Nuclear Power Plant
ANS 54.2	Design Basis for Facilities for LMFBR Spent Fuel Storage in Liquid Metal Outside the Primary Coolant Boundary
ANS 57.2	Design Requirements for Light Water Reactor Spent Fuel Storage Facilities at Light Water Reactor Plants
ANS 57.3	Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants
ANS 59.1	Nuclear Safety-Related Cooling Water Systems in Nuclear Power Plants
ANS 59.3	Safety-Related Control Air Systems
ANS 59.51	Fuel Oil Systems for Standby Diesel Generators
ANS 6.4	Guidelines on Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants
ANS 6.4.2	Specification for Radiation Shielding Materials
ANS 6.4.3	Gamma-Ray Attenuation Coefficients and Buildup Factors for Engineering Materials
ANS 8.1	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors
ANS 8.10	Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement
ANS 8.12	Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors
ANS 8.14	Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors

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Document Number	Document Title
ANS 8.15	Nuclear Criticality Control of Special Actinide Elements
ANS 8.17	Criticality Safety Criteria for the Handling, Storage and Transportation of LWR Fuel Outside Reactors
ANS 8.19	Administrative Practices for Nuclear Criticality Safety
ANS 8.20	Nuclear Criticality Safety Training
ANS 8.21	Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors
ANS 8.22	Nuclear Criticality Safety Based on Limiting and Controlling Moderators
ANS 8.23	Nuclear Criticality Accident Emergency Planning and Response
ANS 8.3	Criticality Accident Alarm System
ANS 8.5	Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material
ANS 8.6	Safety in Conducting Subcritical Neutron-Multiplication Measurements In Situ
ANS 8.7	Guide for Nuclear Criticality Safety in the Storage of Fissile Materials
ANS 8.9	Nuclear Criticality Safety Criteria for Steel-Pipe Intersections Containing Aqueous Solutions of Fissile Material
ANSI 156.12-2005	Grade 1, Mortise Locksets
ANSI 156.2-2003	Grade 1, Bored and Preassembled Locks and Latches
ANSI A 1.5	Safety Requirements for Material Hoists
ANSI A 10.31	Construction and Demolition
ANSI A 10.33-1992	Safety and Health Program Requirements for Multi-Employer Projects
ANSI A 108.1	Installation of Ceramic Tile with Portland Cement Mortar

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Document Number	Document Title
ANSI A 115	Door and Frame Preparation
ANSI A 115.1	Door and Frame Preparation for Mortise Door Locks for 1-3/4-inch Doors
ANSI A 13.1	Scheme for the Identification of Piping Systems
ANSI A 14.1-1994	Ladders—Portable Wood—Safety Requirements
ANSI A 14.2-1990	Safety Requirements for Portable Metal Ladders
ANSI A 14.3-1992	Ladders—Fixed—Safety Requirements
ANSI A 14.5-1992	Ladders—Portable Reinforced Plastic—Safety Requirements
ANSI A 156	Hardware
ANSI A 156.1	Butts and Hinges
ANSI A 156.2	American National Standard for Bored and Preassembled Locks and Latches
ANSI A 156.3	Exit Devices
ANSI A 156.4	Door Controls (Closers)
ANSI A 156.6	Architectural Door Trim
ANSI A 156.8	Door Controls - Overhead Stops and Holder
ANSI A 216.1	Sectional Overhead Type Doors (ANSI/NAGDM 102)
ANSI A 39.1	Safety Requirements for Window Cleaning
ANSI A 58.1	Building Code Requirements for Minimum Design Loads in Buildings and Other Structures
ANSI A 92.2	Vehicle-Mounted Elevating and Rotating Aerial Device

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Document Number	Document Title
ANSI B 1.1	Unified Inch Screw Threads (UN and UNR Thread Form)
ANSI B 18.22.1	Plain Washers
ANSI B 30 Series	Cranes
ANSI B 31.2	Petroleum Refining Piping
ANSI B 31.4	Liquid Petroleum Transportation Piping System
ANSI B 46.1	Surface Texture, Surface Roughness, Waviness and Lay
ANSI B149.1	Dehumidifiers
ANSI B30.21 (1994)	Manually Operated Hoists (design specifications only)
ANSI B30.5 (1995)	Mobile and Locomotive Cranes (design specifications only)
ANSI B30.9 (1992)	Slings (equipment design specifications only)
ANSI B38.1	Method of Testing for Household Refrigerators, Combination Refrigerator Freezers and Household Freezers
ANSI B56.1	Safety Standard for Low Fit and High Fit Trucks
ANSI B56.6	Rough Terrain Forklift Trucks
ANSI B93.114M	Pneumatic Fluid Power - Systems Standard for Industrial Machinery
ANSI C 136	Roadway Lighting
ANSI C 2	National Electric Safety Code
ANSI C 57	Distribution, Power and Regulating Transformers
ANSI C 82	For Reference Ballasts for Fluorescent Lamps

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ANSI C 82.2	Fluorescent Lamp Ballasts--Methods of Measurement
ANSI C 84.1	Electric Power Systems And Equipment-Voltage Ratings (60 Hertz)
ANSI C 95.1	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 KHZ to 100 GHZ
ANSI C16.13	Monochrome Television Broadcast Receivers
ANSI C2	American National Standards Institute on Safety (NESC)
ANSI C78.1	For Fluorescent Lamps--Rapid Start Types--Dimensional and Electrical Characteristics
ANSI C78.2	For Fluorescent Lamps--Preheat Start Types--Dimensional and Electrical Characteristics
ANSI C78.21	Incandescent Lamps--PAR and R Shapes
ANSI C78.3	For Fluorescent Lamps--Instant Start and Cold-Cathode Types--Dimensional and Electrical Characteristics
ANSI C78.375	For Fluorescent Lamps--Guide for Electrical Measurements
ANSI C79.1	Nomenclature for Glass Bulbs Intended for Use with Electric Lamps
ANSI CGA G-7.1	Commodity Specifications for Air
ANSI D 12.1	Roadway Lighting (see IES RP8)
ANSI D 6.1e	Manual on Uniform Traffic Control Devices for Streets and Highways
ANSI G 7.1	Commodity Specification for Air, Third Edition
ANSI N 101.6	Standards for Concrete Radiation Shields
ANSI N 12.1	Warning Symbols-Fissile Material Symbol
ANSI N 13.1	Guide for Sampling Airborne Radioactive Materials in Nuclear Facilities

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ANSI N 13.11	Dosimetry-Personnel Dosimetry Performance-Criteria For Testing
ANSI N 13.14	Internal Dosimetry Programs for Tritium Exposure—Minimum Requirements
ANSI N 13.15	Radiation Detectors—Personnel Thermoluminescence Dosimetry Systems—Performance
ANSI N 13.2	Guide to Administrative Practices in Radiation Monitoring
ANSI N 13.27	Performance Requirements for Pocket-Sized Alarm Dosimeters and Alarm Rate Meters
ANSI N 13.3	Dosimetry for Criticality Accidents
ANSI N 13.30-1996	Performance Criteria for Radiobioassay
ANSI N 13.41-1997	Criteria for Performing Multiple Dosimetry
ANSI N 13.5	Performance Specifications for Direct Reading and Indirect Reading Pocket Dosimeters for X and Gamma Radiation
ANSI N 13.6	Practice for Occupational Radiation Exposure Record Systems
ANSI N 13.7	Radiation Protection—Photographic Film Dosimeters—Criteria for Performance
ANSI N 14.1	Nuclear Materials—Uranium Hexafluoride—Packaging for Transport
ANSI N 14.2	Commercial Vehicle Standards
ANSI N 14.27-1993	Carrier and Shipper Responsibilities and Emergency Response Procedures for Highway Transportation Accidents
ANSI N 14.29-1988	Guide for Writing Operating Manuals for Packaging
ANSI N 14.30-1992	Design, Fabrication, and Maintenance of Semi-Trailers Employed in the Transport of Weight-Concentrated Radioactive Loads
ANSI N 14.5	Radioactive Materials—Leakage Tests on Packages for Shipment
ANSI N 14.6-1993	Special Lifting Devices for Shipping Containers Weighing 10,000 (4500kg) or More Pounds

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Document Number	Document Title
ANSI N 15.1	Classification of Unirradiated Uranium Scrap
ANSI N 15.10	Nuclear Materials—Unirradiated Plutonium Scrap—Classification
ANSI N 15.18	Nuclear Materials - Mass Calibration Techniques for Control
ANSI N 15.19	Nuclear Material Control—Volume Calibration Techniques
ANSI N 15.36	Nuclear Materials—Nondestructive Assay Measurement Control and Assurance
ANSI N 15.41	Nuclear Facilities—Derivation of Measurement Control Programs—General Principles
ANSI N 15.51	Nuclear Materials Management—Measurement Control Program—Nuclear Materials Analytical Chemistry Laboratory
ANSI N 15.54	Instrumentation—Radiometric Calorimeters Measurement Control Program
ANSI N 2.1	Radiation Symbol
ANSI N 317	Performance Criteria for Instrumentation Used for Inplant Plutonium Monitoring
ANSI N 319	Personnel Neutron Dosimeters (Neutron Energies less than 20 MeV)
ANSI N 322	Inspection and Test Specifications for Direct and Indirect Reading Quartz Fiber Pocket Dosimeters
ANSI N 323A-1997	Radiation Protection Instrumentation Test and Calibrations
ANSI N 343	Internal Dosimetry for Mixed Fission and Activation Products
ANSI N 42.17A	Performance Specifications for Health Physics Instrumentation - Portable Instrumentation for Use in Normal Environmental Conditions
ANSI N 42.17B	Radiation Instrumentation Performance Specifications for Health Physics Instrumentation-Occupational Airborne Radioactivity Monitoring Instrumentation
ANSI N 42.17C	Radiation Instrumentation Performance Specifications for Health Physics Instrumentation—Portable Instrumentation for Use in Extreme Environmental Conditions
ANSI N 42.18	Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents

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Document Number	Document Title
ANSI N 42.23	American National Standard Measurement and Associated Instrumentation Quality Assurance for Radioassay Laboratories
ANSI N 43.10	Safe Design and Use of Panoramic Wet Source Storage Gamma Irradiators (Category IV)
ANSI N 43.2	Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment
ANSI N 43.3	General Radiation Safety—Installations Using Non-Medical X-Ray and Sealed Gamma-Ray Sources, Energies up to 10 MeV
ANSI N 43.5	Radiological Safety Standard for the Design of Radiographic and Fluoroscopic Industrial X-Ray Equipment
ANSI N 43.6	Sealed Radioactive Sources
ANSI N 43.8	Classification of Industrial Ionizing Radiation Gaging Devices
ANSI N 43.9	American National Standard for Gamma Radiography—Specifications for Design and Testing of Apparatus
ANSI N 545	Thermoluminescence Dosimetry: Environmental Applications, Performance, Testing, and Specifications
ANSI N13.4-1983	Specifications of Portable X- or Gamma Radiation Survey Instruments
ANSI N1342	Dosimetry
ANSI N14.6-1993	Radioactive Materials, Special Lifting Devices for Shipping Containers Weighing 10,000 pounds (4500 kg) or More
ANSI N15.18	Mass Calibration Techniques for Control
ANSI N15.28-91	Nuclear Materials Control - Guide for Qualification and Certification of Safeguards and Security Personnel
ANSI N2.3-1979	Immediate Evacuation Signal for Use In Industrial Installations Where Radiation Exposures May Occur
ANSI N278.1-1975 (R 1992)	Self-Operated and Power-Operated Safety-Related Valves Functional Specification Standard
ANSI N320-1979 (R1993)	Performance Specifications for Reactor Emergency Radiological Monitoring Instrumentation
ANSI N43.1	Radiological Safety in the Design and Operation of Particle Accelerators

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Document Number	Document Title
ANSI N510	Testing of Nuclear Air-Cleaning Systems
ANSI N512	Protective Coatings (Paint) for the Nuclear Industry
ANSI N542	Sealed Radioactive Sources
ANSI N8.3-1979	Criticality Accident Alarm
ANSI S 3.34	American National Standard Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand
ANSI S 3.6	Specification for Audiometers
ANSI S3.19-1974	Laboratory Safety Supply
ANSI S82.01	Standard for Instrumentation
ANSI X 3.135	Database Language SQL
ANSI X 3.136	Serial Recorded Magnetic Tape Cartridge for Information Interchange
ANSI X 3.205	Helical-Scan Digital Computer Tape Cartridge 3.81 mm DATA/DAT, for Information Interchange
ANSI X 3.40	Information Systems—Unrecorded Magnetic Tape for Information Exchange
ANSI X 3.54	Recorded Magnetic Tape for Information Interchange 6250 bpi, Group Coded Recording
ANSI X 3.55	Recorded Magnetic Tape for Information Interchange 1600 bpi, Phase Encoded
ANSI X 3.85	One Half Inch Magnetic Tape Interchange Using a Self-Loading Cartridge
ANSI X 4.16	Size and Placement of Security Badges (Inactive)
ANSI X 9.17	Financial Institution Key Management
ANSI Y 1.1	Abbreviations for Use on Drawings and in Text

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Document Number	Document Title
ANSI Y 14.1	Drawing Sheet Size and Format
ANSI Y 14.15	General Electronic Diagrams
ANSI Y 14.2	Surface Texture Symbols
ANSI Y 14.5M	Dimensioning and Tolerancing
ANSI Y 32.14	Graphic Symbols for Logic Functions
ANSI Y 32.16	Reference Designators (schematics and PCB)
ANSI Y 32.2	Graphic Symbols for Electrical and Electronics Diagrams
ANSI Z 1030	Power Tools
ANSI Z 11.182	Standard Method of Test for Smoke Density in the Flue Gases from Distillate Fuels reapproved 1971 (ASTM D2156-65(1975))
ANSI Z 117.1	Safety Requirements for Working in Tanks and Other Confined Spaces
ANSI Z 124.2-1995	Plastic Shower Receptors and Shower Stalls
ANSI Z 133.1-2000	American National Standard for Arboricultural Operations - Pruning, Repairing, Maintaining, and Removing Trees, and Cutting Brush
ANSI Z 136.1	Safe Use of Lasers
ANSI Z 136.2-1997	Safe Use of Optical Fiber Communication Systems Utilizing Laser Diode and LED Sources 10/01/97
ANSI Z 21.10.1	Gas Automatic Storage Type Water Heaters
ANSI Z 21.10.3	Gas Water Heaters, Volume III, Storage with Input Ratings Above 75,000 Btu's per Hour, Circulating and Instantaneous Water Heaters
ANSI Z 21.11.1	Gas-Fired Room Heaters, Volume I, Vented Room Heaters
ANSI Z 21.13	Gas-Fired Low Pressure Steam and Hot Water Heating Boilers including addenda Z21.13a-69 and Z21.13b-94

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Document Number	Document Title
ANSI Z 21.17	Domestic Gas Conversion Burners Including Z21.17a-90
ANSI Z 21.20	Automatic Gas Ignition Systems and Components
ANSI Z 21.21	Automatic Valves for Gas Appliances (Including Z21.21a-89)
ANSI Z 21.44	Gas-Fired Gravity and Fan Type Direct Vent Wall Furnaces
ANSI Z 21.47	Gas-Fired Central Furnaces (including Z21.47a-88 and Z21.47b-89)
ANSI Z 21.48	Gas-Fired Gravity and Fan Type Floor Furnaces
ANSI Z 21.49	Gas-Fired Gravity and Fan Type Vented Wall Furnaces
ANSI Z 21.56	Gas-Fired Pool Heaters (including addenda Z21.56a-96)
ANSI Z 21.59	Gas-Fired high Pressure Steam and Hot Water Heating Boilers
ANSI Z 21.66	Automatic Vent Damper Devices for Use with Gas-Fired Appliances
ANSI Z 21.67	Mechanically-Actuated Automatic Vent Damper Devices for Use with Gas-Fired Appliances
ANSI Z 21.68	Thermally-Actuated Automatic Vent Damper Devices for Use with Gas-Fired Appliances
ANSI Z 21.71	Automatic Intermittent Pilot Ignition systems for Field Installation (including Z21.71a-85 and Z21.71b-89)
ANSI Z 21.8	Installation of Domestic Gas Conversion Burners
ANSI Z 223.1	National Fuel Code Including Appendices H, I, J, and K
ANSI Z 224.1	Performance Evaluation Procedures for Household Washers
ANSI Z 234.1	Room Air Conditioners
ANSI Z 235.1	Appliance Humidifier Standard

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Document Number	Document Title
ANSI Z 358.1	Emergency Eyewash and Shower Equipment
ANSI Z 359.1-1992	Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components
ANSI Z 39.14	Writing Abstracts
ANSI Z 39.18	Information Sciences—Scientific and Technical Reports—Organization, Preparation, and Production
ANSI Z 39.29	Bibliographic References
ANSI Z 39.32	Microfiche Headings
ANSI Z 39.59	Electronic Manuscript Preparation and Markup
ANSI Z 39.67	Computer Software Description
ANSI Z 39.72	CD-ROM Standard Format for Submission of Data for Multimedia CD-ROM Mastering
ANSI Z 41-1991	Personal Protection—Protective Footwear
ANSI Z 49.1	Safety in Welding, Cutting and Allied Processes
ANSI Z 535.1-1991	Environmental and Facility Safety Signs
ANSI Z 535.2	Environmental and Facility Signs
ANSI Z 535.3-1991	Criteria for Safety Symbols, 10/01/97
ANSI Z 535.5	Safety Tags and Barricade Tapes
ANSI Z 540-1-1994	Calibration - Calibration Laboratories and Measuring and Test Equipment - General Requirements
ANSI Z 540.1	Calibration Laboratories and Measuring and Test Equipment General Requirements
ANSI Z 83.8	Gas Unit Heater and Gas-Fired Duct Furnaces

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Document Number	Document Title
ANSI Z 83.9	Gas-Fired Duct Furnaces (including addenda Z83.9a-92)
ANSI Z 87.1	Practice for Occupational/Educational Eye and Face Protection Devices
ANSI Z 87.1-1989	Practice for Occupational and Educational Eye and Face Protection
ANSI Z 88.2	Respiratory Protection
ANSI Z 88.6	Physical Qualifications for Respirator Use
ANSI Z 89.1-1997	Industrial Head Protection
ANSI Z 9.2-1979	Fundamentals Governing the Design and Operation of Local Exhaust Systems
ANSI Z 9.5-1992	American National Standard for Laboratory Ventilation
ANSI Z 91.1	Performance Requirements for Oil-Powered Central Furnaces
ANSI Z 91.2	Performance Requirements for Automatic Pressure Oil Burners of the Mechanical Draft Type
ANSI Z 96.1	Oil-Fired Central Furnaces
ANSI Z 96.2	Oil Burners
ANSI Z 96.3	Oil-Fired Boiler Assemblies
ANSI Z136.1-2000	Laser Eye Exam
ANSI Z33.1	Installation of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying
ANSI Z9.1	Practices for Ventilation and Operation of Open-Surface Tanks
ANSI/ACI 349-85	Code Requirements for Nuclear Safety Related Concrete Structures (ACI 349-85) and Commentary (ACI 349R-85)
ANSI/AIHA Z 9.10	Fundamentals Governing Design and Operation of Dilution Ventilation Systems in Industrial Occupancies

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ANSI/AIHA Z 9.11	Laboratory Decommissioning
ANSI/AIHA Z 9.3	Spray Finishing Operations: Safety Code for Design, Construction and Ventilation
ANSI/AIHA Z 9.4	Abrasive-Blasting Operations - Ventilation and Safe Practices for Fixed Location Enclosures
ANSI/AIHA Z 9.6	Exhaust Systems for Grinding, Polishing, and Buffing
ANSI/AIHA Z 9.7	Recirculation of Air from Industrial Process Exhaust Systems
ANSI/AIHA Z9.5-2003	American National Standard for Laboratory Ventilation
ANSI/AIIM MS-32-1996	Standard Recommended Practice - Microrecording of Engineering Source Document on 35mm Microfilm
ANSI/AIIM MS-41-1996	Dimensions of Unitized Microfilm Carriers and Apertures (Aperture, Camera, Copy and Image Cards)
ANSI/AIIM MS-45-90	Recommended Practice for Inspection of Stored Silver Gelatin Microforms for Evidence of Deterioration
ANSI/AIM-BC1-1995	Uniform Symbology Specification
ANSI/AISC N690-1994	Specifications for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities
ANSI/AMS-2.5	Standards for Onsite Meteorological Monitoring Program
ANSI/ANS 8.22	Limiting and Control of Moderators
ANSI/ANS 8.23	Emergency Planning and Response
ANSI/ANS-19.4	Guidelines for the Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry
ANSI/ANS-19.61	Startup Physics Tests for Pressurized Water Reactors
ANSI/ANS-3.1-1987	Selection, Qualification and Training of Personnel for Nuclear Power Plants
ANSI/ANS-3.2-1994	Administrative and Quality Assurance Requirements for Operating Nuclear Power Plants.

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ANSI/ANS-5.1	Decay Heat Power in Light Water Reactors
ANSI/ANS-59.2-1985	Safety Criteria for Nuclear Power Plants HVAC Systems Located Outside Primary Containment, American National Standards Institute
ANSI/ANS-8.1-1998, R2007	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors
ANSI/ANS-8.24-2007	Validation of Neutron Transport Methods for Nuclear Criticality safety Calculations
ANSI/ANS-8.26-2007	Criticality Safety Engineer Training and Qualification Program
ANSI/API-620-1998	Rules for Design and Construction of Large, Welded, Low-Pressure Storage Tanks
ANSI/ASME A 17.2.1	Inspectors Manual for Electric Elevators
ANSI/ASME A 17.2.2	Inspectors Manual for Hydraulic Elevators
ANSI/ASME A 17.3	Existing Elevators and Escalators
ANSI/ASME A 17.5	Elevator and Escalator Electrical Equipment
ANSI/ASME B 31	National Boiler Inspection (Piping) Code
ANSI/ASME B16.5-1998	Pipe Flanges and Flanged Fittings (Includes Revision Service)
ANSI/ASME B18.18.1-1987 (R1994)	Inspection and Quality Assurance for General Purpose Fasteners
ANSI/ASME B18.18.2M-1987 (R1993)	Inspection and Quality Assurance for High-Volume Machine Assembly Fasteners
ANSI/ASME B18.18.3M-1987 (R1993)	Inspection and Quality Assurance for Special Purpose Fasteners
ANSI/ASME B18.18.4M-1987 (R1993)	Inspection and Quality Assurance for Fasteners for Highly Specialized Engineering Applications
ANSI/ASME B30.11-1993	Monorails and Underhung Cranes

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ANSI/ASME B30.16-1993	Overhead Hoists (Underhung)
ANSI/ASME B30.17-1992	Overhead and gantry cranes (top running bridge, single girder, underhung hoists)
ANSI/ASME B30.18-1993	Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist)
ANSI/ASME B30.2-1996	Overhead and gantry cranes, top running bridge single or multiple girder top running trolley hoist
ANSI/ASME B30.2-1996 (R 1998)	Overhead and Gantry Cranes
ANSI/ASME B56.1-1993	Low-Lift and High-Lift Trucks
ANSI/ASME B73.1M-1991 (R 1992)	Horizontal End Suction Centrifugal Pumps for Chemical Process
ANSI/ASME B73.2M-1991	Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process
ANSI/ASME B96.1-1993	Welded Aluminum-Alloy Storage Tanks
ANSI/ASME NOG-1-1998	Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)
ANSI/ASME Y 32.4	Graphic Symbols for Plumbing Fixtures for Diagrams Used in Architecture and Building Construction
ANSI/ASQC Q10011-1-1994	Guidelines for Auditing Quality Systems—Auditing
ANSI/ASQC Q10011-2-1994	Guidelines for Auditing Quality Systems—Qualification Criteria for Quality Systems Auditors
ANSI/ASQC Q10011-3-1994	Guidelines for Auditing Quality Systems—Management of Audit Programs
ANSI/ASQC Q9001-1994	Quality Systems-Model for Quality Assessment in Design/Development, Production, Installation and Servicing
ANSI/ASQC Z1.4-1993	Sampling Procedures and Tables for Inspection by Attributes
ANSI/ASQZ 1.13-1999	Quality Guidelines for Research
ANSI/ASTM C852-93 (R 1997)	Standard Guide for Design Criteria for Plutonium Gloveboxes

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ANSI/AWWA C653	Disinfection of Water Treatment Plants
ANSI/AWWA C654	Disinfection of Wells
ANSI/CABO A 117.1	Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People
ANSI/CGA G-7.1-1989	Commodity Specification
ANSI/HFS 100-1988	Human Factors Engineering of Visual Display Terminal Workstations
ANSI/HPS N13.1-1999	Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities
ANSI/HPS N13.12-1999	Surface and Volume Radioactivity Standards for Clearance
ANSI/HPS N13.39-2001	Design of Internal Dosimetry Programs
ANSI/HPS N13.49-2001	Performance and Documentation of Radiological Surveys
ANSI/IEEE 1008	Standard for Software Testing
ANSI/IEEE 1012-1986	IEEE Standard for Software Verification and Validation Plans
ANSI/IEEE 1028	Standard for Software Reviews
ANSI/IEEE 1042	Guide to Software Configuration Management
ANSI/IEEE 1050-1989 (R 1996)	IEEE Guide for Instrumentation and Control Equipment Grounding in Generating Stations
ANSI/IEEE 1228	Standard for Software Safety Plans
ANSI/IEEE 323-1990 (R 1996)	IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations
ANSI/IEEE 334-1994	IEEE Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations
ANSI/IEEE 338-1987 (R 1993)	IEEE Standard for Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety

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ANSI/IEEE 383-1974 (R 1992)	IEEE Standard for Type Test of Class 1E Electric Cables, Field Splices, and Connections for Nuclear Power Generating Station
ANSI/IEEE 535-1986 (R 1994)	IEEE Standard for Qualification of Class 1E Lead Storage Batteries for Nuclear Power Generating Stations
ANSI/IEEE 577-1976 (R 1993)	IEEE Standard Requirements for Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Power Generating Stations
ANSI/IEEE 628-1987 (R 1993)	IEEE Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations
ANSI/IEEE 649-1991	IEEE Standard for Qualifying Class 1E Motor Control Centers for Nuclear Power Generating Stations
ANSI/IEEE 650-1991	IEEE Standard for Qualification of Class 1E Static Battery Chargers and Inverters for Nuclear Power Generating Stations
ANSI/IEEE 7-4.3.2	Standard Criteria for Digital Computers in Safety Systems for Nuclear Power Generating Stations
ANSI/IEEE 830-1984	Recommended Practice for Software Requirements Specifications
ANSI/IEEE 833-1988 (R 1994)	IEEE Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards
ANSI/IEEE 934-1987 (R 1993)	Requirements for Replacement Parts for Class 1E Equipment in Nuclear Power Generating Stations
ANSI/IEEE 944-1986 (R 1996)	IEEE Recommended Practice for the Application and Testing of Uninterruptible Power Supplies for Power Generating Stations
ANSI/IEEE 946-1993	IEEE Recommended Practice for the Design of DC Auxiliary Power Systems for Generating Stations
ANSI/IEEE C2-1997	National Electrical Safety Code 05/01/00
ANSI/IEEE C37 series	Circuit Breakers, Switchgears, Substations, and Fuses
ANSI/IEEE C95.1	Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Magnetic Fields, 3kHz to 300 GHz
ANSI/IEEE N 323-1978	Radiation Protection Instrumentation Test and Calibration
ANSI/IEEE N 42.18-1980	Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents
ANSI/IES RP7-2001	Industrial Lighting

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ANSI/ISA SP75.01	Control Valve Sizing Equations
ANSI/ISEA 101	American National Standard for Limited-Use and Disposal Coveralls - Size and Labeling Requirements
ANSI/ISEA 107	American National Standard for High Visibility Safety Apparel and Headwear
ANSI/ISEA 207	American National Standard for High Visibility Public Safety Vests
ANSI/ISO/ASQ Q9001:2000	Quality Management Systems: Requirements
ANSI/ISO/ASQC Q10012-1-1992	Quality Assurance Requirements for Measuring Equipment, Part 1: Meteorological Confirmation System for Measuring Equipment
ANSI/ISO/ASQC-14001-1996	Environmental Management Systems - Specification with Guidance for Use
ANSI/ISO/ASQC-14004-1996	Environmental Management Systems - General Guidelines on Principles, Systems, and Supporting Techniques
ANSI/ISO/ASQC-14010-1996	Guidelines for Environmental Auditing - General Principles
ANSI/ISO/ASQC-14011-1996	Guidelines for Environmental Auditing - Audit Procedures - Auditing of Environmental Management Systems
ANSI/ISO/ASQC-14012-1996	Guidelines for Environmental Auditing - Qualification Criteria for Environmental Auditors
ANSI/ISO/ASQC-Q9001-1994	Quality Systems -Model for Quality Assurance in Design/Development, Production, Installation, and Servicing.
ANSI/ISO/ASQC-Q9002-1994	Quality Systems -Model for Quality Assurance in Production and Installation.
ANSI/ISO/ASQC-Q9004-1994	Quality Management and Quality System Elements - Guidelines
ANSI/ITSDF 856.1	Safety Standard for Powered Industrial Trucks - Low Lift and High Lift Trucks
ANSI/ITSDF 856.6	Rough Terrain Fork Lift Trucks
ANSI/NBIC NB-23	National Board Inspection Code
ANSI/NCSL Z540-1-1994	American National Standard for Calibration - Calibration Laboratories and Measuring and Test Equipment - General Requirements

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Document Number	Document Title
ANSI/NCSL Z540-1-1997	Calibration Laboratories and Measuring and Test Equipment, General Requirements
ANSI/NFPA 70E	Electrical Safety Requirements for Employee Work Places, 1995
ANSI/PIMA IT9.2-1998	American National Standard for Imaging Materials - Photographic Processed Films, Plates, and Papers - Filing Enclosures and Storage Containers
ANSI/SAE A 92.2	American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices
ANSI/SIA A92.2 (1990)	American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices (equipment design specification only)
ANSI/UL 558	Internal Combustion Engine Powered Industrial Trucks
ANSI/UL 583	Electric Battery Powered Industrial Trucks
ANSI/UL 726	Oil-Fired Boiler Assemblies, 7th Edition
APHA	Methods of Air Sampling and Analysis
API 12P	Specification for Fiberglass Reinforced Plastic Tanks
API 1631	Interior Lining and Periodic Inspection of Underground Storage Tanks
API 1632	Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems
API 5 (2005)	Service Station Safety, Accident Prevention Manual
API 610	Centrifugal Pumps for Petroleum, Petrochemical and Natural Gas Industries
API 620	Design and Construction of Large, Welded, Low-Pressure Storage Tanks
API 650	Welded Steel Tanks for Oil Storage, Eighth Edition
API 674	Positive Displacement Pumps - Reciprocating
API 675	Positive Displacement Pumps - Controlled Volume

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API PR 98	California State Petroleum Safety Order on Drilling Safety (Waiver that applies in California)
API Pub 1615	Installation of Underground Petroleum Storage Systems
API RP 579	Fitness for Service
API RP 750	Management of Process Hazards, American Petroleum Institute Recommended Practice
API RP-54	Safety for Gas and Oil Well Drilling
AREA	Manual for Railway Engineering (Fixed Properties)
ARI 1010	Drinking-Fountains and Self-Contained Mechanically-Refrigerated Drinking Water Coolers
ARI 210	Standard for Unitary Air Conditioning Equipment
ARI 240	Standard for Air-Source Unitary Heat Pump Equipment
ARI 280	Standard for Central Forced-Air Electric Heating Equipment
ARI 310/380	Packaged Terminal Air-Conditioners and Heat Pumps
ARI 320	Standard for Water Source Heat Pumps
ARI 325	Ground Water-Source Heat Pumps
ARI 330	Ground-Source Closed-Loop Heat Pumps
ARI 340/360	Commercial and Industrial Unitary Air-Conditioning and Heat Pump Units
ARI 365	Commercial and Industrial Unitary Air-Conditioning Condensing Units
ARI 410	Forced-Circulation Air-Cooling and Air-Heating Coils
ARI 430	Central-Station Air-Handling Units

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ARI 450	Remote Type Water-Cooled Refrigerant Condensers
ARI 460	Remote Mechanical-Draft Air-Cooled Refrigerant Condensers
ARI 470	Desuperheater/Water Heater
ARI 520	Positive Displacement Refrigerant Compressors, Compressor Units and Condensing Units
ARI 550	Centrifugal or Rotary Screw Water Chilling Packages
ARI 560	Absorption Water-Chilling and Water Heating Packages
ARI 590	Positive Displacement Compressor Water-Chilling Packages
ARI 610	Standard for Central System Humidifiers
ARI 850	Commercial and Industrial Air Filter Equipment
ARMA	Guide to Preparing Built-up Roofing Specifications
ARMA	Recommended Performance Criteria for Roofing Membrane using Polymer Modified Betuminoces Products (Inactive)
ARMA	Residential Asphalt Roofing Manual
ARMA 800	Sealant Selection and Installation (Inactive)
ASA S3.5	Methods of Calculation of the Speech Intelligibility Index
ASCE 37	Design and Construction of Sanitary and Storm Sewers
ASCE 4	Seismic Analysis of Safety-Related Nuclear Structures, 1989
ASCE 43-05	Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities
ASCE 52	Guide for Design of Steel Transmission Towers

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ASCE 58	Structural Analysis and Design of Nuclear Plant Facilities
ASCE 63	Structural Plastic Design Manual
ASCE 7	Minimum Design Loads for Buildings and Other Structures
ASCE 72	Design of Steel Transmission Pole Structures
ASCE 8	Specification for the Design of Cold-Formed Stainless Steel Structural Members
ASHRAE	Design of Smoke Management Systems
ASHRAE	HVAC Applications
ASHRAE	HVAC Fundamentals
ASHRAE	HVAC Systems and Equipment
ASHRAE	Refrigeration
ASHRAE	Simplified Energy Analysis using the BIN Method
ASHRAE 100	Energy Conservation in Existing Buildings
ASHRAE 103	Methods of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers with exceptions
ASHRAE 110	Method of Testing Performance of Laboratory Fume Hoods
ASHRAE 111	Practices for Measurement, Testing, Adjusting, and Balancing of Building Heating, Ventilation, Air-Conditioning, and Refrigeration Systems
ASHRAE 15	Safety Code for Mechanical Refrigeration
ASHRAE 16	Method of Testing for Rating Room Air Conditioners
ASHRAE 20	Methods of Testing for Rating Remote Mechanical Draft Air Cooled Refrigerant Condensers

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ASHRAE 24	Methods of Testing for Rating Liquid Coolers
ASHRAE 37	Method of Testing for Rating Unitary Air Conditioning and Heat Pump Equipment
ASHRAE 51	Laboratory Methods of Testing Fans for Rating
ASHRAE 52.1-1992	Gravimetric and Dust-Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter
ASHRAE 55	Thermal Environmental Conditions for Human Occupancy
ASHRAE 62	Ventilation for Acceptable Indoor Air Quality
ASHRAE 90	Energy Conservation in New Building Design
ASHRAE 93	Methods of Testing to Determine the Thermal Performance of Solar Collectors
ASHRAE GRP 158	Cooling and Heating Load Calculation Manual
ASHRAE Handbook	Fundamentals (Inch-Pound Edition)
ASHRAE Handbook	Fundamentals Volume
ASHRAE/ESNA 90.1	Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings, including Addenda 90.16-92, 90.1d-92, 90.1e-92, 90.1g-93, and 90.1i-93
ASME A 17.1	Safety Code for Elevators and Escalators
ASME A13.1	Scheme for Identification of Piping Systems
ASME B 16	Fittings, Flanges and Valves
ASME B 31.1	Power Piping
ASME B 31.2	Fuel Gas Piping
ASME B 31.3	Chemical Plant and Petroleum Refinery Piping

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ASME B 31.4	Pipeline Transportation Systems for Liquid Hydrocarbons andOther Liquids
ASME B 31.5	Refrigeration Piping
ASME B 31.8	Gas Transmission and Distribution Piping
ASME B 56.1-1993	Low-Lift and High-Lift Trucks
ASME B30.10	Hooks
ASME B30.20	Below-the-Hook Lifting Devices
ASME B30.23	Personnel Lifting Systems
ASME B30.26	Rigging Hardware
ASME B30.5	Mobile and Locomotive Cranes
ASME B30.9	Slings
ASME B31.11	Slurry Transportation Piping Systems 2002
ASME B31.9	Building Service Piping
ASME B56.6 (1993)	Rough Terrain Fork Lift Trucks (equipment design specification only)
ASME BPVC	Boiler and Pressure Vessel Code
ASME BPVC; Sections I, II, IV, V - X	American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (for new construction and new purchases of pressure vessels)
ASME F00230	Boiler and Pressure Vessel Code
ASME FAP-I-1990	Quality Assurance Program Requirements for Fastener Manufacturers and Distributors
ASME N 509	Nuclear Power Plant Air-Cleaning Units and Components

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ASME N 510	Testing of Nuclear Air Cleaning Systems
ASME NQA-1	Quality Assurance Program Requirements for Nuclear Facilities
ASME NQA-1-1994, Part 2.15	Quality Assurance Requirements for Hoisting, Rigging, and Transporting of Items for Nuclear Power Plants
ASME NQA-1-1997	Quality Assurance Program Requirements for Nuclear Facilities, Part 1, Requirements and Part 3, Nonmandatory Appendices
ASME NQA-1-2000	Quality Assurance Requirements for Nuclear Applications, Parts 1,2, and 3
ASME NQA-1a-1995	Quality Assurance Requirements for Nuclear Facility Applications, ASME NQA-1-1994 and ASME NQA-1a-1995 Addenda, 1-19-96
ASME NQA-2	Quality Assurance Requirements for Nuclear Facility Applications
ASME NQA-2a	Quality Assurance Program Requirements for Nuclear Facility Applications
ASME NQA-3	Quality Assurance Program Requirements for the Collection of Scientific and Technical Information for Site Characterization of High-Level Nuclear Waste Repositories
ASME PTC 4.1	Steam Generating Units
ASME QME-1	Qualification of Active Mechanical Equipment Used in Nuclear Facilities
ASME STS-1	Steel Stacks
ASME Y 14.100M	Engineering Drawing Practices
ASME Y 14.13M	Mechanical Spring Representation
ASME Y 14.15	Electrical and Electronic Diagrams
ASME Y 14.18M	Optical Parts
ASME Y 14.2	Line Conventions and Lettering
ASME Y 14.24M	Types and Applications of Engineering Drawings

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ASME Y 14.34M	Associated Lists
ASME Y 14.35M	Revision of Engineering Drawings and Associated Documents
ASME Y 14.36M	Surface Texture Symbols
ASME Y 14.38-1999	Abbreviations and Acronyms
ASME Y 14.3M	Multiview and Sectional View Drawings
ASME Y 14.4M	Pictorial Drawing
ASME Y 14.5M	Dimensioning and Tolerancing
ASME Y 14.6	Screw Thread Representation
ASME Y 14.7.1	Gear Drawing Standards - Part 1 for Spur, Helical, Double Helical and Rack
ASME Y 14.7.2	Gear and Spline Drawing Standards Part 2 - Bevel and Hypoid Gears
ASME Y 14.8M	Castings and Forgings
ASME Y 32.18	Symbols for Mechanical and Acoustical Elements as Used in Schematic Diagrams
ASME Y 32.2.3	Graphical Symbols for Pipe Fittings, Valves and Piping
ASME Y 32.2.4	Graphical Symbols for Heating, Ventilating, and Air Conditioning
ASME Y 32.2.6	Graphic Symbols for Heat-Power Apparatus
ASME Y 32.7	Graphic Symbols for Railroad Maps and Profiles
ASME Y14.2M	Line Conventions and Lettering
ASME-NQA-1-2004	Quality Assurance Requirements for Nuclear Facility Applications

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ASME-NQA-1-2008	Quality Assurance Requirements for Nuclear Facility Applications
ASNT SNT-TC-1A	Recommended Practice December 1992 Edition - Qualification of Nondestructive Testing Personnel
ASNT SNT-TC-1A Supplement D	Personnel Qualification and Certification in Nondestructive Testing
ASNT SNT-TC-1A, Supplement B	Magnetic Particle Method
ASQ Energy Division, 1982	Quality Surveillance Guidelines and Quality Surveillance Handbook, ASQC Quality Press
ASQC E4	Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs
ASTM 153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM 2413	Standard Specification for Performance Requirements for Foot Protection
ASTM 646	Steel Drill Screws for the Application of Gypsum Board to Light-Gage Steel Studs
ASTM 665	Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing
ASTM A 108	Steel Bars, Carbon, Cold-Finished, Standard Quality
ASTM A 120	Pipe, Steel Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless, for Ordinary Uses
ASTM A 121	Zinc-Coated (Galvanized) Steel Barbed Wire
ASTM A 123	Zinc (Hot-Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars, and Strip
ASTM A 137.1	Standard Specification for Ceramic Tile
ASTM A 185	Welded Steel Wire Fabric for Concrete Reinforcement
ASTM A 307	Specification for Carbon Steel Externally Threaded Standard Fasteners
ASTM A 312	Standard Specification for Seamless and Austenitic Stainless Steel Pipe

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Document Number	Document Title
ASTM A 325-89	Specification for High-Strength Bolts for Structural Steel Joints
ASTM A 36	Specification for Structural Steel
ASTM A 366	Steel Sheet, Carbon, Cold-Rolled, Commercial Quality
ASTM A 385	Standard Practice for Providing High Quality Zinc Coatings (Hot-Dip)
ASTM A 392	Zinc-Coated Steel Chain-Link Fence Fabric
ASTM A 446	Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality
ASTM A 496	Deformed Steel Wire for Concrete Reinforcement
ASTM A 501	Hot-Formed Welded and Seamless Carbon Steel Structural Tubing
ASTM A 525	Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
ASTM A 563	Specification for Carbon Steel Nuts
ASTM A 572	High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality
ASTM A 615	Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
ASTM A 746	Standard Specification for Ductile Gravity Sewer Pipe
ASTM A 82	Cold Drawn Steel Wire for Concrete Reinforcement
ASTM A176	Standard Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip
ASTM A193	Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service
ASTM A194	Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both
ASTM A240	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

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ASTM A262	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenic Stainless Steels
ASTM A268	Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service
ASTM A269	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service
ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM A380	Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems
ASTM A403	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings
ASTM A449	Standard Specification for Hex Cap Screws, Bolts, and Studs, Steel, Heat Treated, 120/ 105/90 ksi Minimum Tensile Strength, General Use
ASTM A500	Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
ASTM A513	Specification for Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing
ASTM A53	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless
ASTM A564	Standard Specification for Carbon and Alloy Steel Nuts
ASTM A74	Standard Specification for Cast Iron Soil Pipe and Fittings
ASTM A763	Standard Practices for Detecting Susceptibility to Intergranular Attack in Ferritic Stainless Steels
ASTM A888	Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
ASTM B 1	Standard Specification for Hard-Drawn Copper Wire
ASTM B 152	Standard Specification for Copper Sheet, Strip, Plate and Rolled Bar
ASTM B 32	Solder Metal
ASTM B 329	Apparent Density of Metal Powders and Compounds Using the Scott Volumeter

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Document Number	Document Title
ASTM B 446	Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNSO6625)
ASTM B 486	Paste Solder
ASTM B 8	Standard Specification for Concrete-Lay Stranded Copper Conductors
ASTM B209	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
ASTM B210	Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes
ASTM B221	Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes
ASTM B241	Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube
ASTM B251	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube
ASTM B308	Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles
ASTM B68	Standard Specification for Seamless Copper Tube, Bright Annealed
ASTM B75	Standard Specification for Seamless Copper Tube
ASTM B813	Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube
ASTM B819	Standard Specification for Seamless Copper Tube for Medical Gas Systems
ASTM B828	Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings
ASTM B88	Standard Specification for Seamless Copper Water Tube
ASTM C 1009	Standard Guide for Establishing a QA Program for Analytical Chemistry Laboratories within the Nuclear Industry
ASTM C 1030	Standard Test Method for Determination of Plutonium Isotopic Composition by Gamma-Ray Spectrometry
ASTM C 1036	Standard Specification for Flat Glass

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ASTM C 1068	Standard Guide for the Qualification of Measurement Methods by a Laboratory Within the Nuclear Industry
ASTM C 109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Or 50-mm Cube Specimens)
ASTM C 1108	Test Method for Plutonium by Controlled-Potential Coulometry
ASTM C 1112	Guide for Application of Radiation Monitors to the Control and Physical Security of Special Nuclear Material
ASTM C 1112-99	Standard Guide for Application of Radiation Monitors to the Control and Physical Security of Special Nuclear Material
ASTM C 1128	Standard Guide for the Preparation of Working Reference Materials for Use in the Analysis of Nuclear Fuel Cycle Materials
ASTM C 1133	Standard Test Method for the Nondestructive Assay of Special Nuclear Material in Low-Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning
ASTM C 1156	Standard Guide for Establishing Calibration for a Measurement Method Used to Analyze Nuclear Fuel Cycle Materials
ASTM C 1168	Standard Practice for Preparation and Dissolution of Plutonium Materials for Analysis
ASTM C 1169	Guide for Laboratory Evaluation of Automatic Pedestrian SNM Monitor Performance
ASTM C 1169-97	Standard Guide for Laboratory Evaluation of Automatic Pedestrian SNM Monitor Performance
ASTM C 1189	Guide to Procedures for Calibrating Automatic Pedestrian SNM Monitor
ASTM C 1189-02	Standard Guide to Procedures for Calibrating Automatic Pedestrian SNM Monitors
ASTM C 1196	Test Method of In Situ Compressive Stress Within Solid Unit Masonry Estimated Using Flatjack Measurements
ASTM C 1204	Test Method for Uranium in the Presence of Plutonium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration
ASTM C 1210	Standard Guide for Establishing a Measurement System Quality Control Program for Analytical Chemistry Laboratories Within the Nuclear Industry
ASTM C 1215-92	Standard Guide for Preparing and Interpreting Precision and Bias Statements in Test Method Standards Used in the Nuclear Industry
ASTM C 1236	Guide for In-Plant Performance Evaluation of Automatic Vehicle SNM Monitors

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Document Number	Document Title
ASTM C 1236-99	Standard Guide for In-Plant Performance Evaluation of Automatic Vehicle SNM Monitors
ASTM C 1237	Guide to In-Plant Performance Evaluation of Hand-Held SNM Monitors
ASTM C 1237-99	Standard Guide to In-Plant Performance Evaluation of Hand-Held SNM Monitors
ASTM C 1267	Test Method for Uranium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration in the Presence of Vanadium
ASTM C 1268	Standard Test Method for Quantitative Determination of Americium 241 in Plutonium by Gamma-Ray Spectrometry
ASTM C 1284	Standard Practice for the Electrodeposition of the Actinides for Alpha Spectrometry
ASTM C 1297	Standard Guide for the Qualification of Laboratory Analysts for the Analysis of Nuclear Fuel Cycle Materials
ASTM C 1346	Standard Practice for Dissolution of Uranium Hexaflouride from P-10 Tubes
ASTM C 1347	Standard Practice for Preparation and Dissolution of Uranium Materials for Analysis
ASTM C 1411	Standard Practice for Ion Exchange Separation of Uranium and Plutonium Isotopes Prior to Isotopic Analysis
ASTM C 1413	Standard Test Method for Isotopic Analysis of Hydrolyzed Uranium Hexaflouride and Uranyl Nitrate Solutions by Thermal Ionization Mass Spectrometry
ASTM C 1415	Standard Test Method for Pu-238 by Alpha Spectrometry
ASTM C 143	Slump of Portland Cement Concrete
ASTM C 144	Aggregate for Masonry Mortar
ASTM C 150	Specification for Portland Cement (Rev. A)
ASTM C 1672	Standard Test Method for Determination of Uranium or Plutonium Isotopic Composition or Concentration by the Total Evaporation Method Using a Thermal Ionization Mass Spectrometer
ASTM C 172	Sampling Fresh Cement
ASTM C 177	Standard Test Method for Steady State Thermal Transmission Properties by Means of the Guard Hot Plate

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ASTM C 206	Finished Hydrated Lime
ASTM C 207	Hydrated Lime for Masonry Purposes
ASTM C 208	Insulating Board (Cellulosic Fiber), Structural and Decorative (reapproved 1982)
ASTM C 236	Standard Test Method for Thermal Conductance and Transmittance of Built-Up Sections by Means of the Guarded Hot Box
ASTM C 260	Air-Entraining Admixtures for Concrete
ASTM C 270	Standard Specification for Mortar for Unit Masonry
ASTM C 272	Test for Water Absorption of Core Materials for Structural Sandwich Construction
ASTM C 309	Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
ASTM C 31	Making and Curing Concrete Test Specimens in the Field
ASTM C 33	Concrete Aggregates
ASTM C 355	Test for Water Vapor Transmission of Thick Materials
ASTM C 36	Gypsum Wallboard
ASTM C 39	Compressive Strength of Cylindrical Concrete Specimens
ASTM C 404	Aggregates for Masonry Grout
ASTM C 423	Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM C 442	Gypsum Backing Board and Coreboard
ASTM C 475	Joint Compound and Joint Tape for Gypsum Wallboard
ASTM C 476	Grout for Reinforced and Non-reinforced Masonry

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ASTM C 494	Chemical Admixtures for Concrete
ASTM C 509	Standard Specification for Elastomeric Cellular Preformed Gasket and Sealing Material
ASTM C 516	Standard Specification for Vermiculite Loose Fill Thermal Insulation
ASTM C 518	Standard Test Method for Steady State Thermal Transmission Properties by Means of Heat Flow Meter
ASTM C 520	Standard Method for Density of Granular Loose-Fill Insulation (reapproved 1975)
ASTM C 523	Light Reflections of Acoustical Materials by the Integrating Sphere Reflectometer
ASTM C 533	Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation
ASTM C 534	Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form
ASTM C 547	Standard Specification for Mineral Fiber Pipe Insulation
ASTM C 549	Standard Specification for Perlite Loose Fill Insulation (reapproved 1986)
ASTM C 55	Standard Specification for Concrete Building Brick
ASTM C 552	Standard Specification for Cellular Glass Thermal Insulation
ASTM C 553	Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
ASTM C 570	Specification for Oil and Resin Based Caulking Compound for Building Construction
ASTM C 578	Standard Specification for Preformed, Block-Type Cellular Polystyrene Thermal Insulation
ASTM C 591	Standard Specification for Unfaced Preformed Rigid Cellular Polyisocyanurate Thermal Insulation
ASTM C 592	Standard Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type)
ASTM C 610	Standard Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation

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ASTM C 612	Standard Specification for Mineral Fiber Block and Board Thermal Insulation
ASTM C 618	Standard Specification for Fly Ash and Raw or Calcinated Natural Pozzolan of Use as a Mineral Admixture in Portland Cement Concrete
ASTM C 62	Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)
ASTM C 630	Water-Resistant Gypsum Backing Board
ASTM C 635	Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and for Lay-In Panels
ASTM C 636	Standard Recommended Practice for Installation of Metal Ceiling Systems for Acoustical Tile and for Lay-In Panels
ASTM C 645	Non-Load Bearing Axial Steel Studs, Runners Track, and Rigid Furring Channels for Screw Application of Gypsum Board
ASTM C 660	Standard Practices for Production and Preparation of Gray Iron Castings for Porcelain Enameling (Reapproved 1989)
ASTM C 696	Standard Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Uranium Dioxide Powders and Pellets
ASTM C 71	Standard Terminology Relating to Refractories
ASTM C 720	Specification for Spray-Applied Fibrous Thermal Insulation for Elevated Temperature (Discontinued 1999)
ASTM C 726	Standard Specification for Mineral Fiber and Roof Insulating Board
ASTM C 728	Standard Specification for Perlite Thermal Insulation Board
ASTM C 730	Standard Test Method for Knoop Indentation Hardness of Glass
ASTM C 755	Standard Recommended Practice for Selection for Vapor Barriers for Thermal Insulation
ASTM C 761	Standard Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of UF6
ASTM C 764	Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation
ASTM C 790	Standard Recommended Practice for use of Latex Sealing Compounds

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ASTM C 797	Standard Recommended Practices and Terminology for Use of Oil- and Resin-Based Putty and Glazing Compounds
ASTM C 804	Standard Recommended Practices for Use of Solvent Release Type Sealants
ASTM C 834	Specification for Latex Sealing Compounds (reapproved 1986)
ASTM C 840	Standard Specification for Application and Finishing of Gypsum Board
ASTM C 845	Standard Specification for Expansive Hydraulic Cement
ASTM C 892	Standard Specification for High-Temperature Fiber Blanket Thermal Insulation
ASTM C 90	Standard Specification for Load-Bearing Concrete Masonry Units
ASTM C 920	Standard Specification for Elastomeric Joint Sealants
ASTM C 94	Ready-Mixed Concrete
ASTM C 971	Guide for Selection and Application of Insulation Systems for Heating, Ventilating, and Air Conditioning Duct Work (Discontinued 1997)
ASTM C 976	Standard Test Method for Thermal Performance of Building Assemblies by Means of a Calibrated Hot Box
ASTM C 984	Specification for Perlite Board and Rigid Cellular Polyisocyanurate Composite Roof Insulation (Discontinued 1997)
ASTM C 984	Standard Method of Test for Apparent Density of Rigid Cellular Plastics (reapproved 1975)
ASTM C 986	Standard Guide for Developing Training Programs in the Nuclear Fuel Cycle
ASTM C 993	Guide for In-Plant Performance Evaluation of Automatic Pedestrian SNM Monitors
ASTM C 993-97	Standard Guide for In-Plant Performance Evaluation of Automatic Pedestrian SNM Monitors
ASTM C1277	Standard Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe Fittings
ASTM C852	Standard Guide for Design Criteria for Plutonium Gloveboxes

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ASTM D 1505	Standard Test Method for Density of Plastics by the Density-Gradient Technique
ASTM D 1557	Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 10-lb. (4.54-kg) Rammer and 18-in. (457-mm) Drop
ASTM D 1586	Standard Method for Penetration Test and Split-Barrel Sampling of Soils
ASTM D 1603	Standard Test Method of Carbon Black Content in Olefin Plastics
ASTM D 178	Specifications for Rubber Insulating Matting
ASTM D 1914-95	Conversion Units & Factors Relating to Sampling and Analysis of Atmospheres
ASTM D 2113	Standard Practice for Diamond Core Drilling for Site Investigation
ASTM D 2156	Method of Tests for Smoke Density in Flue Gases from Distillate Fuels [reapproved 1975 (ANSI Z11.182-65 (R 1971))]
ASTM D 2216	Laboratory Determination of Water (Moisture) Content of Soil, Rock, and Soil-Aggregate Mixtures
ASTM D 2240	Rubber Property - Durometer Hardness
ASTM D 2488	Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)
ASTM D 257	Test for DC Resistance on conductance of Insulating Materials
ASTM D 2922	Density of Soil and Soil-Aggregate In Place by Nuclear Methods (Shallow Depth)
ASTM D 3017	Moisture Content of Soil and Soil-Aggregate In Place by Nuclear Methods (Shallow Depth)
ASTM D 3631-95	Measuring Surface Atmospheric Pressure
ASTM D 3656	Standard Specification for Insect Screening and Louver Cloth Woven from Vinyl Coated Glass Yarns
ASTM D 3678	Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay
ASTM D 3786	Standard Test Method for Hydraulic Bursting Strength of Knitted Goods and Nonwoven Fabrics - Diaphragm Bursting Strength Tester Method

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Document Number	Document Title
ASTM D 396	Standard Specification for Fuel Oils
ASTM D 4023-82a/R96	Humidity Measurements
ASTM D 4099	Standard Specification for Poly (Vinyl Chloride) (PVC) Prime Windows/Sliding Glass Doors
ASTM D 422	Particle-Size Analysis of Soils
ASTM D 4230-83/R96	Measuring Humidity with Cooled-Surface Condensation (Dew-Point) Hygrometer
ASTM D 4256	Standard Test Method for the Determination of the Decontaminability of Coatings Used in Light-Water Nuclear Power Plants
ASTM D 4258	Surface Cleaning of Concrete
ASTM D 4259	Abrading Concrete
ASTM D 4355	Standard Test Method for Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water (Xenon-Arc Type Apparatus)
ASTM D 4430-96	Determining Operational Comparability of Meteorological Measurements
ASTM D 4437	Standard Practice for Determining the Integrity of Field Seams Used in Joining Flexible Polymeric Sheet Geomembranes
ASTM D 4491	Standard Test Methods for Water Permeability of Geotextiles by Permittivity
ASTM D 4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D 4540	Standard Guide for Testing Interior Latex Semigloss and Gloss Paints
ASTM D 4546	Standard Test Method for One-Dimensional Swell or Settlement Potential of Cohesive Soil
ASTM D 4632	Standard Test Method for Breaking Load and Elongation of Geotextiles (Grab Method)
ASTM D 4833	Standard Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
ASTM D 5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)

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ASTM D 5096-96	Determining the Performance of a Cup Anemeometer or Propeller Anemometer
ASTM D 512	Chloride Ion in Water
ASTM D 5199	Standard Test Method for Measuring Thickness of Textile Materials
ASTM D 5261	Standard Test Method for Mass Per Unit Area (Weight) of Textiles
ASTM D 5359	Glass Cullet Recovered from Waste
ASTM D 5366-96	Determining the Dynamic Performance of a Wind Vane
ASTM D 5527-94	Measuring Surface Wind and Temperature by Acoustic Means
ASTM D 5741-96	Characterizing Surface Wind Using a Wind Vane and a Rotating Anemometer
ASTM D 6011-96	Determining the Performance of a Sonic Anemometer/Thermometer
ASTM D 6176M-97	Measuring Surface Atmospheric Temperature with Electrical Resistance Temperature Sensors (Metric)
ASTM D 6365	Standard Practice for Nondestructive Testing of Geomembrane Seams Using The Spark Test
ASTM D 698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort
ASTM D1048	Specifications for Rubber Insulating Blankets
ASTM D1051-1087	Standard Specification for Rubber Insulating Sleeves
ASTM D120	Standard Specification for Rubber Insulating Gloves
ASTM D149	Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies
ASTM D1708	Standard Test Method for Tensile Properties of Plastics by Use of Microtensile Specimens
ASTM D1785	Standard Specification For Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80, and 120

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ASTM D18	Specifications for Rubber Insulating Matting
ASTM D2000	Standard Classification System for Rubber Products in Automotive Applications-SAE J200
ASTM D2241	Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)
ASTM D2464	Standard Specification for Threaded Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2466	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40
ASTM D2467	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2564	Standard Specification for Solvent Cements for Poly (Vinyl Chloride)(PVC) Plastic Piping Systems
ASTM D2661	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2665	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2855	Standard Practice for Making Solvent-Cemented Joints with Poly (Vinyl Chloride)(PVC) Pipe and Fittings
ASTM D4751	Standard Test Method for Determining Apparent Opening Size of a Geotextile
ASTM D792	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM E 104-85/R96	Maintaining Constant Relative Humidity by Means of Aqueous Solutions
ASTM E 1168	Standard Guide for Radiological Protection Training for Nuclear Facility Workers
ASTM E 119	Standard Methods of Fire Tests of Building Construction and Materials
ASTM E 1264	Standard Classification for Acoustical Ceiling Products
ASTM E 1301-95:2003	Standard Guide for Proficiency Testing by Interlaboratory Comparisons
ASTM E 136	Behavior of Materials in a Vertical Tube Furnace at 750 degrees C

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ASTM E 142	Controlling Quality of Radiographic Testing
ASTM E 152	Methods of Fire Tests of Door Assemblies
ASTM E 2132-01	Standard Practice for Assessing Loss, Damage, or Destruction of Property
ASTM E 2135-07	Standard Terminology for Property and Asset Management
ASTM E 2221-02	Standard Practice for Administrative Control of Property
ASTM E 2279-03	Standard Practice for Establishing the Guiding Principles of Property Management
ASTM E 2306-03	Standard Practice for Utilization and Disposal of Personal Property
ASTM E 283	Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors
ASTM E 29-93A	Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications
ASTM E 337-84/R96	Measuring Humidity with a Psychrometer (the Measurement of Wet- and Dry-Bulb Temperatures)
ASTM E 380	Standard Practice for the Use of the International System of Units (SI)
ASTM E 413	Classification for Rating Sound Insulation
ASTM E 413-04	Classification for Rating Sound Insulation
ASTM E 576	Standard Test Method for Dew/Frost Point of Sealed Insulating Glass Units in Vertical Position
ASTM E 580	Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint
ASTM E 617-91	Standard Specification for Laboratory Weights and Precision Mass Standards, 17th Edition, 1991
ASTM E 648	Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
ASTM E 691	Standard Practice for Conducting an Interlaboratory Test Program to Determine the Precision of Test Methods

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ASTM E 737	Standard Practice for the Installation of Storm Windows, Replacement Windows, Multi-Glazing, Storm Doors and Replacement Doors
ASTM E 84	Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM E 90	Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions
ASTM E 96	Standard Test Method for Water Vapor Transmission of Materials in Sheet Form (reapproved 1972)
ASTM F 436	Hardened Steel Washers
ASTM F 693	Standard Practice for Sealing Seams of Resilient Sheet Flooring Products
ASTM F 792	Standard Practice for Design and Use of Ionizing Radiation Equipment for Detection of Items Prohibited in Controlled Areas
ASTM F 792-01e2	Standard Practice for Evaluating the Imaging Performance of Security X-Ray Systems
ASTM F104	Standard Classification System for Nonmetallic Gasket Materials
ASTM F1117	Standard Specification for Dielectric Overshoe Footwear
ASTM F1236	Standard Guide for Visual Inspection of Electrical Protective Rubber Products
ASTM F146	Standard Test Methods for Fluid Resistance of Gasket Materials
ASTM F1505	Specifications for Insulated and Insulating Hand Tools
ASTM F1506	Standard Specification for Protective Wearing Apparel for Use by Electrical Workers When Exposed to Momentary Electric Arc and Related Thermal Hazards
ASTM F152	Standard Test Methods for Tension Testing of Nonmetallic Gasket Materials
ASTM F1742	Specifications for PVC Insulating Sheeting
ASTM F36	Standard Test Method for Compressibility and Recovery of Gasket Materials
ASTM F37	Standard Test Methods for Sealability of Gasket Materials

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ASTM F38	Standard Test Methods for Creep Relaxation of a Gasket Material
ASTM F433	Standard Practice for Evaluating Thermal Conductivity of Gasket Materials
ASTM F496	Standard Specification for In-Service Care of Insulating Gloves and Sleeves
ASTM F696	Standard Specification for Leather Protectors for Rubber Insulating Gloves and Mittens
ASTM G 1	Standard Recommended practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens (reapproved 1979)
ASTM G 46	Standard Practice for Examination and Evaluation of Pitting Corrosion
ASTM G28	Standard Test Methods of Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys
ATA	Hazardous Materials Tariff
ATSSA	Uniform Traffic Control Devices
AWI	Architectural Woodwork Institute Quality Standards
AWS A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination
AWS A3.0	Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying
AWS B2.1	Specification for Welding Procedure and Performance Qualification
AWS D 1.1	Structural Welding Code-Steel
AWS D 1.2	Structural Welding Code-Aluminum
AWS D 1.3	Structural Welding Code-Sheet Steel
AWS D 1.4	Structural Welding Code - Reinforcing Steel
AWS D 14.1	Specification for Welding Industrial Mill Cranes

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AWS D 5.2	Standards for Welded Steel, Elevated Tanks, Standpipes, and Reservoirs for Water Storage (see AWWA D100)
AWS D1.6	Structural Welding Code - Stainless Steel
AWS D9.1M	Sheet Metal Welding Code
AWS F 2.1	Recommended Safe Practice for Electron Beam Welding and Cutting
AWS QC-1	Specification for Qualification and Certification of Welding Inspectors
AWWA	Manual of Water Quality and Treatment
AWWA	Standard Methods for the Examination of Water and Wastewater
AWWA	Water Treatment Plant Design
AWWA C 651	Standard for Disinfecting Water Mains
AWWA C 652	Disinfection of Water Storage Facilities
AWWA D 100	Welded Steel Tanks for Water Storage
AWWA D100-96	Welded Steel Tanks for Water Storage (Includes Supplement to ANSI/AWWA D100a-89)
AWWA D100a-89	Welded Steel Tanks for Water Storage (Supplement to ANSI/AWWA D100-84)
Bell Telephone	Bell Telephone Standards Maintenance, Installation and Operation
BHMA 156 Series	Performance Standards
BIA	Building Code Requirements for Engineered Brick Masonry (replaced by ACI 530) (Inactive)
BIA	Dampproofing and Water Proofing Masonry Walls
BIA 7	Water Resistance of Brick Masonry—Design and Detailing

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Document Number	Document Title
BOCA	Basic National Mechanical Code
BOCA NBC	National Building Code
CGA	Handbook of Compressed Gases
CGA G-4 1996	Oxygen
CGA G-5	Hydrogen
CGA G4.1	Cleaning Equipment for Oxygen
CGA G4.4	Industrial Practices for Gaseous Oxygen Transportation and Distribution Piping
CGA P-1	Safe Handling of Compressed Gases in Containers
CGA P-12	Compressed Gas Association Pamphlet, P12 Safe Handling of Cryogenic Liquids
CGA P-2.5	Transfilling of High PressureGaseous Oxygen to be Used for Respiration
CGA P-2.6	Transfilling of Liquid Oxygen to be Used for Respiration
CGA S-1.1	Pressure Relief Device Standards, Part 1, Cylinders for Compressed Gases
CGA S-1.2	Pressure Relief Device Standards, Part 2, Cargo and Portable Tanks for Compressed Gases
CGA S-1.3	Pressure Relief Device Standards, Part 3, Compressed Gas Storage Containers (Fourth Edition)
CGA V-1	Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections
CIAC 628	Computer Incident Advisory Capability
CIAC 632	Computer Incident Advisory Capability
CISCA	Acoustical Ceilings-Use and Practice

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CMAA 70	Specification for Electric Overhead Traveling Cranes
CMAA 74	Crane Manufacturer's Association of America Specification
CSAO	Crane Handbook
CSAO	Rigging Manual
CSD-1	Controls and Safety Devices for Automatically Fired Boilers
CTI ATC-105	Acceptance Test Code for Water Cooling Towers
CTI Std. 201	Standard for the Certification of Water-Cooling Towers Thermal Performance
DHI	The Installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware
EIA 222-D	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures
EIA/IS-632	Systems Engineering
FGMA	Glazing Manual
FGMA	Sealant Manual
FM (now FMRC)	Approval Guides
FM 1 (now FMRC)	Loss Prevention Data Sheets
FM 1-57 (now FMRC)	Loss Prevention Data Sheet on Rigid Foamed Polyurethane
FM 5.4 (now FMRC)	Loss Prevention Data Sheet on Transformers
FS 0-F-506C	Flux, Soldering, Paste and Liquid
FS DD-G-1403B	Glass, Plate (float), Sheet, Figured, and Spandrel (Heat Strengthened and Fully Tempered)

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Document Number	Document Title
FS DD-G-451D	Glass Sheet, Figured, (Float, Flat, for Glazing, Corrugated, Mirrors, and Other Uses)
FS FF-B-575C	Bolt, Hexagon and Square
FS FF-D-396H	Dispensers, Soap
FS FF-N-836D	Nut, Square, Hexagon, Cap, Slotted, Castellated, Clinch, Knurled and Welding
FS FF-S-107C	Screw, Tapping and Drive
FS MMM-A-110B(1)	Federal Specification Adhesive, Bonding Vulcanized Synthetic Rubber to Steel HAP-Free Replacement
FS SS-W-40A	Wallbase and Vinyl Plastic, Type I and II
FS TT E-489H	Enamel, Odorless, Alkyd, Gloss (for Exterior and Interior Surfaces)
FS TT-650D	Primer Coating, Latex Base, Interior, White (for Gypsum Wallboard or Plaster)
FS TT-C-535B	Coating Epoxy, Interior Undercoat, Two Component, for interior use on Metal, Wood, Wallboard, Painted Surfaces, Concrete and Masonry
FS TT-E-506K	Enamel, Alkyd, Gloss, Tints, and White (for Interior Use)
FS TT-E-508C	Enamel, Interior, Semigloss, Tints, and White
FS TT-E-509C	Enamel, Odorless, Alkyd Interior, Semigloss, White and Tints
FS TT-E-545D	Enamel, Odorless, Alkyd, Interior Undercoat, Flat, Tints, and White
FS TT-F-1098D	Filler, Block, Solvent Thinned, for Porous Surfaces (Concrete Block, Cinder Block, Stucco, Etc.)
FS TT-P-1511A	Paint, Latex-Base, Gloss and Semigloss, Tints and White (for Interior use)
FS TT-P-96D	Paint Latex Base For Exterior Surfaces (White and Tints)
FS TT-S-001543A	Sealing Compound: Silicone Rubber Base (for caulking, sealing, and Glazing Inbuilding and Other Structures)

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FS TT-S-00227E	Sealing Compound: Elastomeric Type, Multi-Component (for Caulking, Sealing and Glazing Inbuilding and Other Structures)
FS WW-P 541B	Plumbing Fixtures
FS-L-F-475A(2)	Floor Covering Vinyl, Surface (Tile and Roll), with Backing
FSS TT-P-29K	Paint, Latex
GA 201	Using Gypsum Board for Walls and Ceilings
HI Hydraulic Institute	Standard for Centrifugal, Rotary and Reciprocating Pumps
HLD-1	Performance Evaluation Procedure for Household Tumble Type Clothes Dryers
HLD-2EC	Test Method for Measuring Energy Consumption of Household Tumble Type Clothes Dryers
HLW-1	Household Washer Performance Evaluation Procedure
HLW-2EC	Test Method for Measuring Energy Consumption of Household Clothes Washers
HRF-2 ECFT	Test Procedures to Determine the Temperature and Energy Consumption of Household Refrigerators, Combination Refrigerator-Freezes, and Freezers
HU-1	Appliance Humidifier Standard
IAEA	Criticality Control of Fissile Materials
IAEA	Dangerous Goods Regulations
IAEA 116	Design of Spent Fuel Storage Facilities
IAEA 207	Notification to the Agency (IAEA) of Exports and Imports of Nuclear Material
IAEA 30	Manual on the Safety Aspects of the Design and Equipment of Hot Laboratories
IAEA 31	Safe Operation of Nuclear Power Plants

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IAEA 35	Safe Operation of Critical Assemblies and Research Reactors, Series
IAEA 35.S1	Code on the Safety of Nuclear Research Reactors
IAEA 50-SG-QA10	Safety Guide—Assessment
IAEA 50-SG-S3	Atmospheric Dispersion in Nuclear Power Plant Siting
IAEA 6	Regulations for the Safe Transportation of Radioactive Material
IAEA 75-INSAG-3	Basic Safety Principles for Nuclear Power Plants
IAEA Agreement	Agreement Between the United States and the IAEA for the Application of Safeguards in the United States, and Additional Protocol
IAEA INFCIRC/140	Treaty on the Non-Proliferation of Nuclear Weapons, 4-22-70
IAEA INFCIRC/153 Corrected	The Structure and Content of Agreements Between the Agency and States Required in Connection with the Treaty on the Non-Proliferation o Nuclear Weapons, June 1997
IAEA INFCIRC/207	Notification to the Agency (IAEA) of Exports and Imports of Nuclear Material, 7-26-74, and amendment letter, 9-15-82
IAEA INFCIRC/225/Rev 4 Corrected	The Physical Protection of Nuclear Material and Nuclear Facilities, June 1999
IAEA INFCIRC/274/Rev 1/Add 8	Convention on the Physical Protection of Nuclear Material, 11-15-02
IAEA INFCIRC/288	IAEA Information Circular 288
IAEA NMMSS D-207	U.S. Importer and Exporter and Foreign Facility IAEA Material Balance Area Codes and IAEA Country Codes
IAEA Safety Series 50-P-1	Application of Single Failure Criterion: Safety Practice
IAEA Safety Series No. 81	Derived Intervention Levels for Application in Controlling Radiation Doses to the Public in the Event of a Nuclear Accident or Radiological Emergency
IAEA Safety Series No. 86	Techniques and Decision Making in the Assessment of Off-Site Consequences of an Accident in a Nuclear Facility
IAEA Safety Series No. 87	Emergency Response Planning and Preparedness for Transport Accidents Involving Radioactive Material

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IAEA TECDOC-919	Management of Procurement Activities in a Nuclear Installation
IAPMO	Uniform Plumbing Code
IATA	International Air Transport Association Safety Requirements
IATA	Restricted Articles Regulation (International Air Transportation Association)
IATA	Dangerous Goods Regulations, 50th edition, 2009-2010
ICAO	International Civil Aviation Technical Instructions
ICBO	International Mechanical Code
ICBO 17-6	Method of Test for the Evaluation of Flammability Characteristics of Exterior, Nonload-Bearing Wall Panel Assemblies Using Foam Plastic Insulation
ICBO 4071	Suspended Ceilings
ICBO 47-18	Metal Suspension Systems for Acoustical Tile and for Lay-in Panel Ceilings
ICBO UBC	Uniform Building Code
ICC (International Code Council)	International Building Code (IBC)
ICC IFC	International Fire Code (IFC)
ICC/ANSI A 117.1	Specifications for Making Buildings and Facilities Accessible to, and Usable by, Physically Handicapped People
ICI Publication 13.2	Method of Measuring and Specifying Color Rendering Properties of Light Sources corrected 1993
ICRP	Radiation Protection Standards Report
ICRP	Report of the Task Group on Reference Man
ICRP 22	Implications of Commission Recommendations that Doses be Kept as Low as Readily Achievable

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ICRP 23	Reference Man Anatomical Physiological and Metabolic Characteristics
ICRP 25	The Handling, Storage, Use and Disposal of Unsealed Radionuclides in Hospitals and Medical Research Facilities
ICRP 26	Recommendations of the International Commission on Radiological Protection
ICRP 30	Limits for Intakes of Radionuclides by Workers
ICRP 32	Limits for Inhalation of Radon Daughters by Workers
ICRP 37	Cost-Benefit Analysis in the Optimization of Radiation Protection
ICRP 40	Protection of the Public in the Event of Major Radiation Accidents: Principles for Planning
ICRP 45	Quantitative Basis for Developing a Unified Index of Harm
ICRP 48	The Metabolism of Plutonium and Related Elements
ICRP 54	Individual Monitoring for Intakes of Radionuclides by Workers: Design and Interpretation
ICRP 55	Optimization and Decision-Making in Radiological Protection
ICRP 60	1990 Recommendations of the International Commission of Radiological Protection
ICRP 66	Human Respiratory Tract Model of Radiological Protection
ICRP 68	Dose Coefficients for Radionuclide Intakes By Workers
ICRP 72	Age-Dependent Doses to Members of the Public from Intakes of Radionuclides, Part 5, Compilation of Ingestion and Inhalation Coefficients
ICRP 74	Conversion Coefficients for Use in Radiological Protection Against External Radiation
ICRP 75	General Principles for the Radiation Protection of Workers
ICRP 78	Individual Monitoring for Internal Exposure of Workers - Replacement of ICRP Publication 54

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ICRP 88	Doses to the Embryo and Fetus from Intakes of Radionuclides by the Mother
ICRU 14	Radiation Dosimetry
ICRU 20	Radiation Protection Instrumentation and Its Application
ICRU 33	Radiation Quantities and Units
ICRU 43	Determination of Dose Equivalents from External Radiation Sources—Part 2
IEC 964	Design for Control Rooms of Nuclear Power Plants
IEC Std. 60034-1	Rotating Electrical Machines (Part 1, Section 3, Clause 3.2.1 and Figure 1) with amendment 1
IEC Std. 60050-411	International Electrotechnical Vocabulary (Chapter 411, Sections 411-33-07 and 411-37-26)
IEC Std. 60072-1	Dimensions and Output Series for Rotating Electrical Machines (Part 1, Frame Numbers 56 to 400 and Flange Numbers 55 to 1080, Clauses 2, 3, 4.1, 6.1, 7, and 10 and Tables 1, 2, and 4)
IEC Std. 705	Methods for Measuring the Performance of Microwave Ovens for Household and Similar Purposes, Section 4, Paragraph 13, Electrical Power Input Measurement and Paragraph 14, Efficiency
IEEE 1015	Recommended Practice for Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems-IEEE Blue Book
IEEE 1016-1987	IEEE Recommended Practice for Software Design Descriptions
IEEE 1016.1-1993	IEEE Guide to Software Design Descriptions
IEEE 1023	Guide for the Application of Human Factors Engineering to Systems, Equipment, and Facilities of Nuclear Power Generating Stations
IEEE 1046	Application Guide for Distributed Digital Control and Monitoring for Power Plants
IEEE 1050	Guide for Instrumentation and Control Equipment Grounding in Generating Stations
IEEE 1058	IEEE Standard for Software Project Management Plans
IEEE 1063-1987	IEEE Standard for Software User Documentation

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IEEE 1074-1991	IEEE Standard for Developing Software Life Cycle Processes
IEEE 1100	Recommended Practice for Powering and Grounding Electronic Equipment-IEEE Emerald Book
IEEE 1219-1992	IEEE Standard for Software Maintenance
IEEE 141	Recommended Practice for Electric Power Distribution for Industrial Plants
IEEE 142	Recommended Practice for Grounding of Industrial and Commercial Power Systems
IEEE 200	Reference Designators
IEEE 242	Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems
IEEE 268	Standard Metric Practice
IEEE 279	Criteria for Protection Systems for Nuclear Power Generating Stations (replaced by IEEE 603) (Inactive)
IEEE 308	Standard Criteria for Class IE Power Systems for Nuclear Power Generating Stations
IEEE 315	Graphic Symbols for Electrical and Electronics Diagrams
IEEE 317	Standard for Electrical Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations
IEEE 323	Standard for Qualifying Class IE Equipment for Nuclear Power Generating Stations
IEEE 336	Standard Installation, Inspection, and Testing Requirements for Power, Instrumentation and Control Equipment at Nuclear Facilities
IEEE 338	Standard Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems
IEEE 344	Recommended Practices for Seismic Qualification of Class IE Equipment for Nuclear Power Generating Stations
IEEE 352	Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Protection Systems
IEEE 379	Standard Application of the Single-Failure Criterion to Nuclear Power Generating Station Safety Systems

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IEEE 382	Standard for Qualification of Actuators for Power Operated Valve Assemblies with Safety Related Functions for Nuclear Power Plants
IEEE 384	Standard Criteria for Independence of Class IE Equipment and Circuits
IEEE 399	Recommended Practice for Industrial and Commercial Power System Analysis
IEEE 446	Recommended Practice for Emergency and Standby Power for Industrial and Commercial Applications
IEEE 450	Recommended Practice for Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Generating Stations and Substations
IEEE 484	Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications
IEEE 485	Recommended Practice for Sizing Lead-Acid Batteries for Stationary Applications
IEEE 493	Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems
IEEE 498	Standard Requirements for the Calibration and Control of Measuring and Test Equipment Used in Nuclear Facilities
IEEE 500	IEEE Guide to the Collection and Presentation of Electrical, Electronic, Sensing Component, and Mechanical Equipment Reliability Data for Nuclear Power Generating Stations
IEEE 567	Trial Use Standard Criteria for the Design of The Control Room Complex
IEEE 576	Recommended Practice for Installation, Termination, and Testing of Insulated Power Cable as Used in Industrial and Commercial Applications
IEEE 602	Recommended Practice for Electrical Systems in Health Care Facilities
IEEE 603	Standard Criteria for Safety Systems for Nuclear Power Generating Stations
IEEE 610.12-1990	IEEE Standard Glossary of Software Engineering Terminology
IEEE 730	Standard for Software Quality Assurance Plan
IEEE 739	Recommended Practice for Energy Conservation and Cost-Effective Planning in Industrial Facilities
IEEE 80	Guide for Safety in AC Substation Grounding

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IEEE 828	Standard for Software Configuration Management Plans
IEEE 829	Standard for Software Test Documentation
IEEE 837	Qualifying Permanent Connections Used In Substation Grounding
IEEE 845	Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations
IEEE C 37	Circuit Breakers, Switchgear, Relays, Substations and Fuses—Series
IEEE C 37.91	Guide for Protective Relay Applications to Power Transformers
IEEE C57 (Series)	Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers
IEEE C62 (Series)	Standards for Surge Arresters for AC Power
IEEE N42.20	American National Standard Performance Criteria for Active Personnel Radiation Monitors
IEEE SI-10	Standard for Use of the International System of Units (SI): The Modern Metric System
IEEE Std. 112	Test Procedure for Polyphase Induction Motors and Generators, Test Method B, with corrections to item 28 in section 10.2, Form B
IEEE Y32.9	Graphic Symbols for Electrical and Wiring Diagrams Used in Architecture and Building Construction
IEEE-100	The IEEE Standard Dictionary of Electrical and Electronics Terms, Sixth Edition
IES Handbook	Reference and Application, 8th Edition, Chapter 6, Light Sources
IES-LM-16	IES Practical Guide to Colorimetry of Light Sources
IES-LM-20	IES Approved Method for Photometric Measuring and Reporting Test on Reflector Type Lamps
IES-LM-45	IES Approved Method for Electrical and Photometric Measurements of General Service Incandescent Filament Lamps
IES-LM-58	IES Guide to Spectroradiometric Measurements

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IES-LM-66	IES Approved Method for the Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps
IES-LM-9	Approved Method for the Electrical and Photometric Measurements of Fluorescent Lamps
IESNA RP8	Roadway Lighting, Practice for
IPC-A-600	Printed Wiring Boards (Fabrication)
IPC-D-275	Circuit Card Assembles
ISA	Standards and Practices for Instrumentation (published by the Instrumentation, Systems, and Automation Society)
ISA 5.1	Instrumentation Symbols and Identification
ISA 5.2	Binary Logic Diagrams for Process Operations
ISA 5.3	Graphic Symbols for Distributed Control/Shared Display Instrumentation, Logic ans Computer Systems
ISA 67.04	Setpoints for Nuclear Safety-Related Instrumentation
ISA 84.00.01	Functional Safety: Safety Instrumented Systems for the Process Industry Sector
ISA S5.1	Instrumentation Symbols and Identification
ISA S5.3	Graphic Symbols for Distributed and Control/Shared Display Instrumentation, Logic, and Computer Systems
ISA S5.4	Instrument Loop Diagrams
ISA S5.5	Graphic Symbols for Process Displays
ISDSI 102	Installation Standard for Insulated Steel Door Systems
ISO 10149	(High Sierra Standard): Yellow Book, CD-ROM, Read Only Memory and CD-ROM XA, Extended Architecture
ISO 12083	Electronic Manuscript Preparation and Markup

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ISO 13528:2005-09-01	Statistical Methods for use in proficiency testing by inter laboratory comparisons
ISO 14001.1	Environmental Management Systems—Specification with Guidance for Use
ISO 14004	Environmental Management Systems General Guidelines on Principles, Systems, and Supporting Techniques
ISO 14010.1	Guidelines for Environmental Auditing—General Principles
ISO 14011/1.2	Guidelines for Environmental Auditing—Audit Procedures—Part 1: Auditing of Environmental Management Systems
ISO 14012.1	Guidelines for Environmental Auditing—Qualification Criteria for Environmental Auditors
ISO 1677	Sealed Radioactive Sources: General
ISO 18911:2000(E)	Imaging materials - Processed safety photographic films - storage practices
ISO 4037	X and Gamma Reference Radiation for Calibrating Dosimeters and Dose Ratemeters and for Determining Their Response as a Function of Photon Energy
ISO 4341	Magnetic Tape Cassette and Cartridge Labeling and File Structure for Information Exchange
ISO 4826	Sealed Radioactive Sources: Leak Test Methods
ISO 646	Seven-Bit Coded Character Set for Information Exchange
ISO 6980	Reference Data Radiations for Calibrating Dosimeters and Dose Ratemeters and for Determining Their Responses as a Function of Beta Radiation Energy
ISO 7503-1	Evaluation of Surface Contamination—Part 1: Beta-Emitters (Maximum Beta Energy Greater Than 0.15 MeV) and Alpha-Emitters
ISO 7503-2	Evaluation of Surface Contamination—Part 2: Tritium Surface Contamination
ISO 8194	Radiation Protection Clothing for Protection Against Radioactive Contamination Design, Selection, Testing and Use
ISO 8529	Neutron Reference Radiations for Calibrating Neutron-Measuring Devices Used for Radiation Protection Purposes and for Determining Their Response as a Function of Neutron Energy
ISO 8632	Computer Graphics—Metafile for the Storage and Transfer of Picture Description Information

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ISO 8769	Reference Sources for the Calibration of Surface Contamination Monitors— Beta-Emitters (Maximum Beta Energy Greater Than 0.15 MeV) and Alpha Emitters
ISO 8824	Information Technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)
ISO 8825	Information Technology—Open Systems Interconnection—Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)
ISO 8879	Information Processing—Text and Office Systems—Standard Generalized Markup Language (SGML)
ISO 9000	Quality Management and Quality Assurance Standards—Guidelines for Selection and Use
ISO 9001	Quality Systems—Model for Quality Assurance in Design/Development, Production, Installation, and Servicing
ISO 9002	Quality Systems—Model for Quality Assurance in Production and Installation
ISO 9003	Quality Systems—Model for Quality Assurance in Final Inspection and Test
ISO 9004	Quality Management and Quality Systems Elements—Guidelines
ISO 9069	Document Interchange Format (SDIF)
ISO 9070	Registration Procedures for SGML Public Text Owner Identifiers
ISO 9660	(High Sierra Standard): Red Book CD-DA, Digital Audio; Green Book, CD-1, Interactive
ISO GUIDE 43-1	Proficiency testing by interlaboratory comparisons -- Part 1: Development and operation of proficiency testing schemes
ISO GUIDE 43-2	Proficiency testing by interlaboratory comparisons -- Part 2: Selection and use of proficiency testing schemes by laboratory accreditation bodies
ISO TR 9573	Techniques for Using SGML
ISO-9001:2007	Quality Systems-Model for Quality Assessment in Design/Development, Production, Installation and Servicing
ISO/FDIS 2919	Radiation Protection Sealed Radioactive Sources General Requirements and Classification
ISO/IEC 10036	Procedure for Registration of Glyph and Glyph-Collection Identifiers

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ISO/IEC 10744	Information Technology—Hypermedia/Time-Based Structuring Language (HyTime)
ISO/IEC 15408	Security techniques -- Evaluation criteria for IT security -- Part 1: Introduction and general model
ISO/IEC 17025:2005	General Requirements for the Competence of Calibration and Testing Laboratories
ISO/IEC 9541	Font Information Interchange, Parts 1 and 2, Architecture and Interchange Format
ITE & NSC	Traffic Engineer's Handbook
LEED	U.S. Green Building Council's Rating System for Leadership in Environmental Design (LEED)
LPI 175	Standard of Practice for the Design, Installation, Inspection of Lightning Protection Systems
LPI 177	Inspection Guide for LPI Certified Systems
MBMA	Metal Building Systems Manual
MCA (now CMA)	Chemical Safety Data Sheets
MCA (now CMA)	Manual Sheets
MLSFA	Steel Framing Systems Manual
NAAMM	Metal Finishes Manual
NACE 6A192	Dehumidification and Temperature Control During Surface Preparation, Application, and Curing for Coatings/Linings of Steel Tanks, Vessels, and Other Enclosed Areas
NACE 6G198	Wet Abrasive Blast Cleaning
NACE 80200	Preparation of Protective Coating Specifications for Atmospheric Service
NACE BOS VOL 1	NACE International BOOK OF STANDARDS Volume 1
NACE BOS VOL 2	NACE International BOOK OF STANDAARDS Volume 2

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NACE RPO 169-92	National Association of Corrosion Engineers - Control of External Corrosion on Underground or Submerged Piping Systems
NAPHCC	National Standard Plumbing Code
Nat. Comm. For Cert. Crane Operators	National Commission for the Certification of Crane Operators, Candidate Handbook - Physician Instructions for Medical Examination
NBHA	General Standards for Builders Hardware
NCMA	Waterproof Coatings for Concrete Masonry
NCMA	Waterproofing Concrete Masonry Basements and Earth Sheltered Structures
NCMA TR 75B	Specifications for the Design and Construction of Load-Bearing Concrete Masonry
NCRP 102	Medical X-Ray, Electron Beam and Gamma-Ray Protection for Energies Up to 50 MeV (Equipment Design, Performance and Use)
NCRP 106	Limit for Exposure to "Hot Particles" on the Skin
NCRP 116	Limitation of Exposure to Ionizing Radiation
NCRP 30	Safe Handling of Radioactive Materials
NCRP 38	Protection Against Neutron Radiation
NCRP 40	Protection Against Radiation from Brachytherapy Sources
NCRP 49	Structural Shielding Design and Evaluation for Medical Use of X Rays and Gamma Rays of Energies Up to 10 MeV
NCRP 51	Radiation Protection Design Guidelines for 0.1-100 MeV Particle Accelerator Facilities
NCRP 53	Review of NCRP Dose Limit for Embryo and Fetus in Occupationally Exposed Women
NCRP 57	Instrumentation and Monitoring Methods for Radiation Protection
NCRP 59	Operational Radiation Safety Program

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NCRP 61	Radiation Safety Training Criteria for Industrial Radiography
NCRP 65	Management of Persons Accidently Contaminated with Radionuclides
NCRP 71	Operational Radiation Safety Training
NCRP 72	Radiation Protection and Measurement for Low-Voltage Neutron Generators
NCRP 84	General Concepts for the Dosimetry of Internally Deposited Radionuclides
NCRP 87	Use of Bioassay Procedures for Assessment of Internal Radionuclide Deposition
NCRP 88	Radiation Alarms and Access Control Systems
NCRP 91	Recommendations on Limits for Exposure to Ionizing Radiation
NCSL RP-1	Recommended Practice RP-1, Establishment and Adjustment of Calibration Intervals
NEMA 250	Enclosures for Electrical Equipment
NEMA C84.1	Electric Power Systems and Equipment - Voltage Ratings (60 Hertz)
NEMA DC 3	No title stated
NEMA ICS	Industrial Controls and Systems
NEMA LD 3	High-Pressure Decorative Laminates
NEMA MG-1	Motors and Generators
NEMA MG1	Motors and Generators, Revision 1
NEMA MG10	Energy Management Guide for Selection and Use of Polyphase Motors
NEMA MG11	Energy Management Guide for Selection and Use of Single-Phase Motors

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Document Number	Document Title
NFPA	Automatic Sprinkler Systems Handbook
NFPA	Flammable and Combustible Liquids Code Handbook
NFPA	Handbook of Fire Protection
NFPA	Hazard Classification Systems (Inactive)
NFPA	Hazardous Materials Response Handbook
NFPA	Health Care Facilities Handbook
NFPA	Life Safety Code Handbook
NFPA	Liquefied Petroleum Gases Handbook
NFPA	National Fuel Gas Code Handbook
NFPA	NEC Handbook
NFPA	NFPA 1500 Handbook
NFPA	NFPA Handbook
NFPA 1	Fire Prevention Code
NFPA 1	Uniform Fire Prevention Code
NFPA 10	Standard for Portable Fire Extinguishers
NFPA 1000	Standard for Fire Service Professional Qualifications Accreditation and Certification Systems
NFPA 1000	Standard for Fire Service Professional Qualifications Accreditation and Certification Systems 2006
NFPA 1001	Standard for Fire Fighter Professional Qualifications

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NFPA 1002	Standard for Fire Apparatus Driver/Operator Professional Qualifications
NFPA 1003	Standard for Airport Fire Fighter Professional Qualifications
NFPA 1006	Standard for Rescue Technician Professional Qualifications
NFPA 1006	Standard for Rescue Technician Professional Qualifications 2008
NFPA 101	Life Safety Code
NFPA 101	Code for Safety to Life from Fire in Buildings and Structures
NFPA 101A	Alternative Approaches to Life Safety
NFPA 101M	Manual on Alternative Approaches to Life Safety
NFPA 102	Standard for Assembly Seating, Tents, and Membrane Structures
NFPA 1021	Standard for Fire Officer Professional Qualifications
NFPA 1031	Standard for Professional Qualifications for Fire Inspector
NFPA 1033	Standard for Professional Qualifications for Fire Investigator
NFPA 1035	Standard for Professional Qualifications for Public Fire Educator
NFPA 1037	Standard for Professional Qualifications for Fire Marshall 2007
NFPA 1041	Standard for Fire Service Instructor Professional Qualifications
NFPA 105	Recommended Practice for the Installation of Smoke-Control Door Assemblies
NFPA 1051	Standard for Wildland Fire Fighter Professional Qualifications
NFPA 1051	Standard for Wildland Fire Fighter Professional Qualifications 2007

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NFPA 1061	Standard for Professional Qualifications for Public Safety Telecommunicator 2007
NFPA 1071	Standard for Emergency Vehicle Technician Professional Qualifications
NFPA 1071	Standard for Emergency Vehicle Technician Professional Qualifications 2006
NFPA 1081	Standard for Industrial Fire Brigade Member Professional Qualifications 2007
NFPA 10L	Model Enabling Act for the Sale or Leasing and Servicing of Portable Fire Extinguishers
NFPA 10R	Recommended Practice for Portable Fire Extinguishing Equipment in Family Dwellings and Living Units
NFPA 11	Standard for Low Expansion Foam and Combined Agent Systems
NFPA 110	Standard for Emergency and Standby Power Systems
NFPA 111	Stored Energy Emergency and Standby Power Systems
NFPA 1122	Code for Unmanned Rockets
NFPA 1123	Code for the Outdoor Display of Fireworks
NFPA 1124	Code for the Manufacture, Transportation, and Storage of Fireworks
NFPA 1125	Code for the Manufacture of Model Rocket Motors
NFPA 1126	Standard for the Use of Pyrotechnics Before a Proximate Audience
NFPA 1141	Standard for Fire Protection in Planned Building Groups
NFPA 1142	Standard on Water Supplies for Suburban and Rural Fire Fighting
NFPA 1143	Standard for Wildland Fire Management
NFPA 1143	Standard for Wildland Fire Management 2009

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NFPA 1144	Standard for Protection of Life and Property from Wildfire
NFPA 115	Standard for Laser Fire Protection
NFPA 1150	Standard on Foam Chemicals for Fires in Class A Fuels 2004
NFPA 1192	Standard on Recreational Vehicles
NFPA 1194	Standard for Recreational Vehicle Parks and Campgrounds
NFPA 11A	Standard for Medium- and High-Expansion Foam Systems
NFPA 11C	Standard for Mobile Foam Apparatus
NFPA 12	Standard on Carbon Dioxide Extinguishing Systems
NFPA 120	Standard for Coal Preparation Plants
NFPA 1201	Recommendations for Developing Fire Protection Services for the Public
NFPA 121	Standard on Fire Protection for Self Propelled and Mobile Surface Mining Equipment
NFPA 122	Standard for the Storage of Flammable and Combustible Liquids Within Underground Metal and Nonmetal Mines
NFPA 1221	Standard for the Installation, Maintenance, and Use of Public Fire Service Communication Systems
NFPA 123	Standard for Fire Prevention and Control in Underground Bituminous Coal Mines
NFPA 1231	Standard on Water Supplies for Suburban and Rural Fire Fighting
NFPA 124	Standard for Fire Protection of Diesel Fuel and Diesel Equipment in Underground Mines
NFPA 1250	Recommended Practice in Emergency Service Organization Risk Management
NFPA 12A	Standard on Halon 1301 Fire Extinguishing Systems

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Document Number	Document Title
NFPA 12B	Standard on Halon 1211 Fire Extinguishing Systems
NFPA 13	Standard for the Installation of Sprinkler Systems
NFPA 130	Standard for Fixed Guideway Transit Systems
NFPA 13A	Recommended Practice for the Inspection, Testing, and Maintenance of Sprinkler Systems
NFPA 13D	Standard for the Installation of Sprinkler Systems in One- and Two- Family Dwellings and Mobile Homes
NFPA 13E	Recommendations for Fire Department Operations in Properties Protected by Sprinkler and Standpipe Systems
NFPA 13R	Standard for the Installation of Sprinkler Systems in Residential Occupancies Up To and Including Four Stories in Height
NFPA 14	Standard for the Installation of Standpipe and Hose Systems
NFPA 140	Standard on Motion Picture and Television Production Studio Soundstages and Approved Production Facilities 2008
NFPA 1401	Recommended Practice for Training Reports and Records
NFPA 1402	Guide to Building Fire Service Training Centers
NFPA 1403	Standard on Live Fire Evolutions in Structures
NFPA 1404	Standard for a Fire Department Self-Contained Breathing Apparatus Program
NFPA 1405	Guide to Land-Based Fire Fighters Who Respond to Marine Vessel Fires
NFPA 1406	Standard for Outside Live Fire Training Evolutions
NFPA 1410	Training Standard on Initial Fire Attack
NFPA 1451	Standard for a Fire Service Vehicle Operations Training Program
NFPA 1451	Standard for a Fire Service Vehicle Operations Training Program 2007

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Document Number	Document Title
NFPA 1452	Guide for Training Fire Department Personnel to Make Dwellings Fire Safety Surveys
NFPA 14A	Recommended Practice for the Inspection, Testing, and Maintenance of Standpipe and Hose Systems
NFPA 15	Standard for Water Spray Fixed Systems for Fire Protection
NFPA 1500	Standard on Fire Department Occupational Safety and Health Program
NFPA 1521	Standard for Fire Department Safety Officer
NFPA 1561	Standard on Fire Department Incident Management Systems
NFPA 1581	Standard on Fire Department Infection Control Program
NFPA 1582	Standard on Medical Requirements for Fire Fighters
NFPA 1583	Standard on Health-Related Fitness Programs for Fire Fighters 2008
NFPA 1584	Recommended Practice on the Rehabilitation of Members Operating at Incident Scene Operations and Training Exercises
NFPA 16	Standard on Deluge Foam Water Sprinkler and Foam Water Spray Systems
NFPA 160	Standard for the Use of Flame Effects Before an Audience 2006
NFPA 160	Standard on Flame Affects before a Live Audience
NFPA 1600	Disaster/Emergency Management and Business Continuity
NFPA 1620	Recommended Practice for Pre-Incident Planning
NFPA 1670	Standard on Operations and Training for Technical Search and Rescue Incidents 2004
NFPA 16A	Recommended Practice for the Installation of Closed-Head Foam-Water Sprinkler Systems
NFPA 17	Standard for Dry Chemical Extinguishing Systems

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Document Number	Document Title
NFPA 17	Standard for Dry Chemical Extinguishing Systems
NFPA 170	Standard for Fire Safety Symbols
NFPA 1710	Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments
NFPA 17A	Standard for Wet Chemical Extinguishing Systems
NFPA 17A	Standard on Wet Chemical Extinguishing Systems
NFPA 18	Standard on Wetting Agents
NFPA 1851	Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles
NFPA 1851	Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles 2008
NFPA 1852	Selection, Care, and Maintenance of Open-Circuit Self Contained Breathing Apparatus (SCBA)
NFPA 18A	Standard on Water Additives for Fire Control and Vapor Mitigation
NFPA 1901	Standard for Pumper Fire Apparatus
NFPA 1902	Standard for Initial Fire Attack Apparatus
NFPA 1903	Standard for Mobile Water Supply Fire Apparatus
NFPA 1904	Standard for Aerial Ladder and Elevating Platform Fire Apparatus
NFPA 1906	Standard for Wildland Fire Apparatus
NFPA 1906	Standard for Wildland Fire Apparatus 2006
NFPA 1911	Standard for Service Tests of Pumps on Fire Department Apparatus
NFPA 1912	Standard for Fire Apparatus Refurbishing 2006

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Document Number	Document Title
NFPA 1914	Standard for Testing Fire Department Aerial Devices
NFPA 1915	Standard for Fire Apparatus Preventive Maintenance Program
NFPA 1921	Standard for Fire Department Portable Pumping Units
NFPA 1931	Standard on Design of and Design Verification Tests for Fire Department Ground Ladders
NFPA 1932	Standard on Use, Maintenance, and Service Testing of Fire Department Ground Ladders
NFPA 1936	Standard on Powered Rescue Tools
NFPA 1936	Standard on Powered Rescue Tools 2005
NFPA 1951	Standard on Protective Ensemble for USAR Operations
NFPA 1951	Standard on Protective Ensemble for USAR Operations 2007
NFPA 1961	Standard on Fire Hose
NFPA 1962	Standard for the Care, Use, and Service Testing of Fire Hose Including Couplings and Nozzles
NFPA 1963	Standard for Screw Threads and Gaskets for Fire Hose Connections
NFPA 1964	Standard for Spray Nozzles (Shut Off and Tip)
NFPA 1965	Standard for Fire Hose Appliances
NFPA 1965	Standard for Fire Hose Appliances 2003
NFPA 1971	Standard on Protective Clothing for Structural Fire Fighting
NFPA 1972	Standard on Helmets for Structural Fire Fighting
NFPA 1973	Standard on Gloves for Structural Fire Fighting

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Document Number	Document Title
NFPA 1974	Standard for Protective Footwear for Structural Fire Fighting
NFPA 1975	Standard on Station/Work Uniforms for Fire Fighters
NFPA 1976	Standard on Protective Clothing for Proximity Fire Fighting
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting 2005
NFPA 1981	Standard on Open-Circuit Self Contained Breathing Apparatus for Fire Fighters
NFPA 1982	Standard on Personal Alert Safety Systems (PASS) for Fire Fighters
NFPA 1983	Standard on Fire Service Life Safety Rope, Harness, and Hardware
NFPA 1989	Standard on Breathing Air Quality for Emergency Services Respiratory Protection
NFPA 1991	Standard on Vapor Protective Suits for Hazardous Chemical Emergencies
NFPA 1992	Standard on Liquid Splash-Protective Suits for Hazardous Chemical Emergencies
NFPA 1993	Standard on Support Function Protective Garments for Hazardous Chemical Operations
NFPA 1994	Standard on Protective Ensembles for Chemical/Biological Terrorism Incidents
NFPA 1999	Standard on Protective Clothing for Emergency Medical Operations
NFPA 2	Hydrogen Technologies Code
NFPA 20	Standard for the Installation of Centrifugal Fire Pumps
NFPA 2001	Standard for Clean Agent Fire Extinguishing Systems
NFPA 2010	Standard for Fixed Aerosol Fire Extinguishing Systems 2006

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Document Number	Document Title
NFPA 203	Guideline on Roof Coverings and Roof Deck Construction
NFPA 204M	Guide for Smoke and Heat Venting
NFPA 211	Standard for Chimneys, Fireplaces and Vents
NFPA 211	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire 2007
NFPA 2113	Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire
NFPA 2113	Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire 2007
NFPA 214	Standard on Water Cooling Towers
NFPA 22	Standard for Water Tanks for Private Fire Protection
NFPA 220	Standard on Types of Building Construction
NFPA 221	Standard for Fire Walls and Fire Barrier Walls
NFPA 225	Model Manufactured Home Installation Standard
NFPA 230	Standard for the Fire Protection of Storage
NFPA 231	Standard for General Storage
NFPA 231C	Standard for Rack Storage of Materials
NFPA 231D	Standard for Storage of Rubber Tires
NFPA 231F	Standard for Storage of Roll Paper

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Document Number	Document Title
NFPA 232	Standard for the Protection of Records
NFPA 232A	Guide for Fire Protection for Archives and Records Centers, 1995
NFPA 232AM	Manual for Fire Protection for Archives and Record Centers
NFPA 24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
NFPA 241	Standard for Safeguarding Construction, Alteration, and Demolition Operations
NFPA 25	Water-Based Extinguishing Systems
NFPA 25	Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
NFPA 25	Standard for the Inspection, Testing, and Maintenance of Water-Based Protection Systems
NFPA 251	Standard Method of Fire Tests of Building Construction and Materials
NFPA 252	Standard Method of Fire Tests of Door Assemblies
NFPA 253	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
NFPA 255	Standard Method of Test of Surface Burning Characteristics of Building Materials
NFPA 256	Standard Method of Fire Test of Roof Coverings
NFPA 257	Standard for Fire Tests of Window Assemblies
NFPA 258	Standard Research Test Method for Determining Smoke Generation of Solid Materials
NFPA 259	Standard Test Method for Potential Heat of Building Materials
NFPA 26	Recommended Practice for the Supervision of Valves Controlling Water Supplies for Fire Protection
NFPA 260	Standard Method of Tests and Classification Systems for Cigarette Ignition Resistance of Components of Upholstered Furniture

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NFPA 261	Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material to Ignition by Smoldering Cigarettes
NFPA 262	Standard Method of Test for Fire and Smoke Characteristics of Wires and Cables
NFPA 263	Standard Test for Heat and Visible Smoke Release Rates
NFPA 264	Standard Method of Test for Heat and Visible Smoke Release Rates for Materials and Products Using Oxygen Consumption Calorimeter
NFPA 264A	Standard Method of Test for Heat Release Rates of Upholstered Furniture Components or Composites and Mattresses Using an Oxygen Consumption Calorimeter
NFPA 291	Recommended Practices for Fire Flow Testing and Marking of Hydrants
NFPA 295	Standard for Wildfire Control
NFPA 297	Guide on Telecommunications Systems—Principles and Practices for Rural and Forestry Services
NFPA 298	Standard on Foam Chemicals for Wildland Fire Control
NFPA 299	Standard on Protection of Life and Property from Wildfire
NFPA 30	Flammable and Combustible Liquids Code
NFPA 30	Flammable and Combustible Liquids Code
NFPA 302	Fire Protection Standard for Pleasure and Commercial Motor Craft
NFPA 303	Fire Protection Standard for Marinas and Boatyards
NFPA 306	Standard for the Control of Gas Hazards on Vessels
NFPA 307	Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves
NFPA 30A	Automotive and Marine Service Station Code
NFPA 30B	Code for the Manufacture and Storage of Aerosol Products

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Document Number	Document Title
NFPA 31	Standard for the Installation of Oil Burning Equipment
NFPA 312	Standard for Fire Protection of Vessels During Construction, Repair and Layup
NFPA 318	Standard for the Protection of Cleanrooms
NFPA 32	Standard for Drycleaning Plants
NFPA 321	Standard on Basic Classification of Flammable and Combustible Liquids
NFPA 325M	Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids
NFPA 326	Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair
NFPA 326	Standard for the Safeguards of Tanks and Containers for Entry, Cleaning or Repair 2005
NFPA 327	Standard Procedures for Cleaning or Safeguarding Small Tanks and Containers
NFPA 328	Recommended Practice for the Control of Flammable and Combustible Liquids and Gases in Manholes, Sewers, and Similar Underground Structures
NFPA 329	Recommended Practices for Handling Underground Releases of Flammable and Combustible Liquids
NFPA 33	Standard for Spray Application Using Flammable and Combustible Liquids
NFPA 34	Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids 2007
NFPA 35	Standard for the Manufacture of Organic Coatings
NFPA 36	Standard for Solvent Extraction Plants
NFPA 37	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines
NFPA 385	Standard for Tank Vehicles for Flammable and Combustible Liquids
NFPA 386	Standard for Portable Shipping Tanks for Flammable and Combustible Liquids

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NFPA 395	Standard for the Stoppage of Flammable and Combustible Liquids on Farms and Isolated Construction Projects
NFPA 40	Standard for the Storage and Handling of Cellulose Nitrate Motion Picture Film
NFPA 402M	Manual for Aircraft Rescue and Fire Fighting Operational Procedures
NFPA 403	Standard for Aircraft Rescue and Fire Fighting Operational Procedures
NFPA 403	Standard for Aircraft Rescue and Firefighting Service at Airports and Heliports
NFPA 407	Standard for Aircraft Fuel Servicing
NFPA 408	Standard for Aircraft Hand Fire Extinguishers
NFPA 409	Standard on Aircraft Hangers
NFPA 40E	Code for the Storage of Pyroxylin Plastic
NFPA 410	Standard on Aircraft Maintenance
NFPA 412	Standard for Aircraft Foam, Fire Fighting Vehicles, Test Procedures
NFPA 414	Standard for Aircraft Rescue, Fire Fighting Vehicles
NFPA 415	Standard on Aircraft Fueling Ramp Drainage
NFPA 416	Standard on Aircraft Terminal Buildings
NFPA 417	Standard on Aircraft Loading Walkways
NFPA 418	Standard for Heliports
NFPA 419	Guide for Master Planning Airport Water Supply Systems for Fire Protection
NFPA 422M	Manual for Aircraft Fire and Explosion Investigators

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Document Number	Document Title
NFPA 423	Standard for Construction and Protection of Aircraft Engine Test Facilities
NFPA 424M	Manual for Airport/Community Emergency Planning
NFPA 430	Liquid and Solid Oxidizers
NFPA 432	Code for the Storage of Organic Peroxide Formulations
NFPA 434	Code for the Storage of Pesticides
NFPA 434	Code for the Storage of Pesticides 2002
NFPA 43A	Code for the Storage of Liquid and Solid Oxidizing Materials
NFPA 43B	Code for the Storage of Organic Peroxide Formulation
NFPA 43C	Code for the Storage of Gaseous Oxidizing Materials
NFPA 43D	Code for Storage of Pesticides in Portable Containers
NFPA 45	Standard on Fire Protection for Laboratories Using Chemicals
NFPA 450	Guide for Emergency Medical Services and Systems
NFPA 46	Recommended Safe Practice for Storage of Forest Products
NFPA 471	Recommended Practice for Responding to Hazardous Material Incidents
NFPA 472	Standard for Professional Competence of Responders to Hazardous Materials Incidents
NFPA 473	Standard for Competence for EMS Operations at Hazardous Materials Incidents
NFPA 480	Guide for the Storage, Handling and Processing of Magnesium
NFPA 481	Standard for the Production, Processing, Handling and Storage of Titanium

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Document Number	Document Title
NFPA 482	Standard for the Production, Processing, Handling and Storage of Zirconium
NFPA 484	Standard for Combustible Metals
NFPA 485	Lithium Metal Storage, Handling, Fabrication, and Use of
NFPA 49	Hazardous Chemicals Data
NFPA 490	Code for the Storage of Ammonium Nitrate
NFPA 491M	Manual of Hazardous Chemical Reactions
NFPA 495	Explosives Materials Code
NFPA 496	Standard for Purged and Pressurized Enclosures for Electrical Equipment in Hazardous Locations
NFPA 497A	Recommended Practice for Classification of Class I Hazardous Locations for Electrical Installations in Chemical Process Areas
NFPA 497B	Recommended Practice for Classification of Class II Hazardous Locations for Electrical Installations in Chemical Process Areas
NFPA 497M	Manual for Classification of Gases, Vapors and Dusts for Electrical Equipment in Hazardous Locations
NFPA 498	Standard for Explosives Motor Vehicle Terminals
NFPA 499	Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
NFPA 50	Standard for Bulk Oxygen Systems at Consumer Sites
NFPA 501A	Standard for Fire Safety Criteria for Manufactured Home Installations, Sites and Communities
NFPA 501C	Standard on Recreational Vehicles
NFPA 501D	Standard for Recreational Vehicle Parks and Campgrounds
NFPA 502	Recommended Practice for Fire Protection For Limited Access Highways, Tunnels, Bridges, Elevated Roadways and Air Right Structures

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Document Number	Document Title
NFPA 505	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Maintenance, and Operation
NFPA 50A	Standard for Gaseous Hydrogen Systems at Consumer Sites
NFPA 50B	Standard for Liquefied Hydrogen Systems at Consumer Sites
NFPA 51	Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes (National Fire Code, Vol. 2)
NFPA 512	Standard for Truck Fire Protection
NFPA 513	Standard for Motor Freight Terminals
NFPA 51A	Standard for Acetylene Cylinder Charging Plants
NFPA 51B	Standard for Fire Protection in Use of Cutting and Welding Processes
NFPA 51B	Standard for Fire Prevention During Welding, Cutting, and Other Hot Work
NFPA 52	Standard for Compressed Natural Gas Vehicular Fuel Systems
NFPA 520	Standard on Subterranean Spaces 2005
NFPA 53	Recommended practice on Materials, Equipment, and Systems Used in Oxygen Enriched Atmospheres
NFPA 53M	Manual on Fire Hazards in Oxygen-Enriched Atmospheres
NFPA 54	National Fuel Gas Code
NFPA 54	ANSI Z223.1-2002 National Fuel Gas Code
NFPA 55	Storage and Handling of Cylinder Gases
NFPA 550	Guide to the Fire Safety Concepts Tree
NFPA 560	Standard for the Storage, Handling, and Use of Ethylene Oxide for Sterilization and Fumigation

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Document Number	Document Title
NFPA 57	Liquefied Natural Gas (LNG) Vehicular Fuel Systems Code
NFPA 58	Standard for Storage and Handling of Liquefied Petroleum Gases
NFPA 59	Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants
NFPA 59A	Standard for the Production, Storage, and Handling of Liquefied Natural Gas
NFPA 600	Standard on Industrial Fire Brigades
NFPA 601	Standard for Guard Services in Fire Loss Prevention
NFPA 61A	Standard for the Prevention of Fires and Dust Explosions in Facilities Manufacturing and Handling Starch
NFPA 61B	Standard for the Prevention of Fires and Dust Explosions in Grain Elevators Facilities Handling Bulk Raw Agricultural Commodities
NFPA 61C	Standard for the Prevention of Fires and Dust Explosions in Feed Mills
NFPA 65	Aluminum Processing and Finishing
NFPA 650	Standard for Pneumatic Conveying Systems for Handling Combustible Materials
NFPA 651	Standard for the Manufacture of Aluminum and Magnesium Powder
NFPA 654	Standard for the Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastic Industries
NFPA 655	Standard for Sulfur Fires and Explosions
NFPA 664	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking
NFPA 68	Guide for the Venting of Deflagration
NFPA 69	Standard on Explosion Prevention
NFPA 70	National Electric Code (NEC)

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NFPA 701	Standard Methods of Fire Tests for Flame-Resistant Textiles and Films
NFPA 702	Flame Field Test for Flame Resistant Textiles and Films (replaced by NFPA 705)
NFPA 703	Standard for Fire Retardant Impregnated Wood and Fire Retardant Coatings for Building Materials
NFPA 704	Standard System for the Identification of the Fire Hazards of Materials
NFPA 705	Field Flame Test for Textiles and Films
NFPA 70A	Electrical Code for One and Two Family Dwellings
NFPA 70B	Recommended Practice for Electrical Equipment Maintenance
NFPA 70E	Standard for Electrical Safety in the Workplace
NFPA 71	Standard for the Installation, Maintenance and Use of Central Station Service Signaling Systems
NFPA 72	National Fire Alarm Code Handbook
NFPA 720	Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units
NFPA 720	Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units 2009
NFPA 72A	Installation, Maintenance and Use of Local Protective Signaling Systems (incorporated into NFPA 72)
NFPA 72B	Installation, Maintenance and Use of Auxiliary Protective Signaling Systems (incorporated into NFPA 72)
NFPA 72C	Installation, Maintenance and Use of Remote Station Signaling Systems (incorporated into NFPA 72)
NFPA 72D	Installation, Maintenance and Use of Proprietary Protective Signaling Systems (incorporated into NFPA 72)
NFPA 72E	Standard on Automatic Fire Detectors
NFPA 72F	Standard on Emergency Voice/Alarm Communication Systems

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NFPA 72G	Guide for the Installation, Maintenance, and Use of Notification Appliances for Protective Signaling Systems
NFPA 72H	Guide for Testing Procedures for Local, Auxiliary, Remote Station and Proprietary Notification Appliance for Protective Signaling Systems
NFPA 73	Electrical Inspection Code for Existing Dwellings
NFPA 74	Standard for the Installation, Maintenance, and Use of Household Fire Warning Equipment
NFPA 75	Standard for the Protection of Electronic Computer/Data Processing Equipment
NFPA 750	Standard for Water Mist Fire Protection Systems
NFPA 76	Standard for the Fire Protection of Telecommunications Facilities
NFPA 76	Standard for the Fire Protection of Telecommunications Facilities 2009
NFPA 77	Recommended Practice on Static Electricity
NFPA 780	Lightning Protection Code
NFPA 79	Electrical Standard for Industrial Machinery
NFPA 80	Standard for Fire Doors and Windows
NFPA 801	Recommended Fire Protection Practice for Facilities Handling Radioactive Materials
NFPA 801	Standard for Fire Protection for Facilities Handling Radioactive Material
NFPA 802	Recommended Fire Protection Practice for Nuclear Research Reactors
NFPA 803	Standard for Fire Protection for Light Water Nuclear Power Plants
NFPA 804	Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants 2006
NFPA 805	Performance3-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants 2006

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NFPA 80A	Recommended Practice for Protection from Exterior Exposure Fires
NFPA 82	Standard on Incinerators, Water and Linen Handling Systems and Equipment
NFPA 820	Recommended Practice for Fire Protection in Wastewater Treatment Plants
NFPA 85	Boiler and Combustion Systems Hazards
NFPA 850	Fire Protection for Recommended Practice for Fire Protection for Electric Generating Plants
NFPA 8501	Standard for Single Boiler Burner Operation
NFPA 8502	Prevention of Furnace Explosions/Implosions in Multiple Burner Boilers
NFPA 8503	Standard for Pulverized Fuel Systems
NFPA 8504	Standard on Atmospheric Fluidized Bed Boiler Operation
NFPA 8505	Recommended Safe Practice for Stoker Operations
NFPA 8506	Standard on Heat Recovery Steam Generator Systems
NFPA 851	Recommended Practice for Fire Protection for Hydroelectric Generating Plants
NFPA 853	Standard for the Installation of Stationary Fuel Cell Power Systems
NFPA 853	Standard for the Installation of Stationary Fuel Cell Power Systems 2007
NFPA 85A	Standard for Prevention of Furnace Explosions in Fuel Oil and Natural Gas Fired Single Burner Boiler Furnaces
NFPA 85B	Standard for Prevention of Furnace Explosions in Natural Gas Fired Multiple Burner Boiler Furnaces
NFPA 85C	Standard for the Prevention of Furnace Explosions in Fuel Oil Fired Multiple Burner Boiler Furnaces
NFPA 85E	Standard for Prevention of Furnace Explosions in Pulverized Coal Fired Multiple Burner Boiler Furnaces

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NFPA 85F	Standard for the Installation and Operation of Pulverized Fuel Systems
NFPA 85G	Standard for the Prevention of Furnace Implosions in Multiple Burner-Boiler Furnaces
NFPA 85H	Standard for Prevention of Combustion Hazards in Atmospheric Fluidized Bed Combustion Systems
NFPA 86	Standard for Ovens and Furnaces
NFPA 86C	Standard for Industrial Furnaces Using a Special Processing Atmosphere
NFPA 86D	Standard for Industrial Furnaces Using Vacuum as an Atmosphere
NFPA 88A	Standard for Parking Structures
NFPA 88B	Standard for Repair Garages
NFPA 901	Uniform Coding for Fire Protection
NFPA 902M	Fire Reporting Field Incident Manual
NFPA 903	Fire Reporting Property Survey Guide
NFPA 904	Incident Follow-up Report Guide
NFPA 906M	Guide for Fire Incident Field Notes
NFPA 907M	Manual for the Determination of Electrical Fire Causes
NFPA 909	Code for the Protection of Cultural Resource Properties - Museums, Libraries and Places of Worship
NFPA 909	Code for the Protection of Cultural Resources Properties - Museums, Libraries, and Places of Worship 2005
NFPA 90A	Installation of Air-Conditioning and Ventilation Systems
NFPA 90A	Standard for the Installation of Air Conditioning and Ventilation Systems

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NFPA 90B	Standard for the Installation of Warm Air Heating and Air Conditioning Systems
NFPA 91	Standard for Exhaust Systems for Air Conveying of Materials
NFPA 910	Recommended Practice for the Protection of Libraries and Library Collections from Fire
NFPA 911	Recommended Practice for the Protection of Museums and Museum Collections from Fire
NFPA 912	Recommended Practice for Fire Protection in Places of Worship
NFPA 913	Recommended Practice for the Protection of Historic Structures and Sites
NFPA 914	Recommended Practice for Fire Protection in Rehabilitation and Adaptive Reuse of Historic Structures
NFPA 921	Guide for Fire and Explosion Investigations
NFPA 92A	Recommended Practice for Smoke Control Systems
NFPA 92B	Guide for Smoke Management Systems in Malls, Atria and Large Areas
NFPA 96	Standard for the Installation of Equipment for the Removal of Smoke and Grease Laden Vapors from Commercial Cooking Equipment
NFPA 97	Standard Glossary of Terms Relating to Chimney, Vents, Heat Producing Appliances
NFPA 99	Standard for Health Care Facilities
NFPA 99B	Standard for Hypobaric Facilities
NFRC 100	Procedure for Determining Fenestration Product Thermal Properties
NFRC 200	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients at Normal Incidence
NISO Z 39.14	Writing Abstracts
NISO Z 39.16	Preparation of Scientific Papers for Written or Oral Presentation

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NISO Z 39.18	Scientific and Technical Reports
NISO Z 39.23	Standard Technical Report Number (STRN)—Format and Creation
NISO Z 39.31	Format for Scientific and Technical Translations
NMFC-100	National Motor Carrier Freight Classifications
NRCA	Construction Details
NRCA	Handbook of Accepted Roofing Knowledge
NRCA	Roofing and Waterproofing Manual
NRCA	Steep Roofing Manual
NRMCA	Certification of Ready-Mixed Concrete Production Facilities, Latest Revision
NSC	Accident Prevention Manual for Industrial Operations
NSC	Aviation Ground Operation Safety Handbook
NSC	Fundamentals of Industrial Hygiene
NSC	Management Safety Policies and Procedures
NSC	Motor Fleet Safety Manual
NSC	Supervisor's Safety Manual
NSF	National Sanitation Foundation Standards
NWMA IS 5	Industry Standard for Ponderosa Wood Doors
NWWA (now NGWA)	Manual of Groundwater Sampling Procedures

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NWWDA 101/IS 2	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors
NWWDA 101/IS 3	Wood Sliding Patio Doors
NWWDA IS-1	Series for Wood Flush Doors
NWWDA IS-2	Industry Standard for Wood Window Units
NWWDA IS-3	Industry Standard for Wood Sliding Patio Doors
NWWDA IS-6	Industry Standard for Wood Style and Rail Doors
NWWDA IS-7	Industry Standard for Wood Skylight/Roof Window Units
PCA	Clear Coatings for Exposed Architectural Concrete
PCA	Effect of Substances on Concrete and Guide to Protective Treatment
PCA	Painting Concrete
PCA	Surface Treatments for Concrete Floors
PCI MNL-116	Manual for Quality Control for Plants and Production of Precast and Prestressed Concrete Products
PCI MNL-120	Design Handbook
PCSA-4	Mobile Power Crane and Excavator Standards and Hydraulic Crane Standards
PDCA	Architectural Painting and Wall Covering Manual (Inactive)
PTI	Post-Tensioning Manual
QC-1	Office of Defense Programs Nuclear Weapons Production Standard
RAC-1	Room Air Conditioners

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RFCI	Recommended Work Procedures for Resilient Floor Covering
SAE J-227a	Electric Vehicle Test Procedure
SAE J429k	Mechanical and Material Requirements for Externally Threaded Fasteners
Safety Library Publication No. 22	Institute for Manufacturers of Explosives Standard 22
SBCCI SBC	Standard Building Code
SDI 100	Steel Doors and Frames
SDI 102	Recommended Installation Standard For Insulated Steel Door Systems
SDI 108	Recommended Selection and Usage Guide for Standard Steel Doors
SDI 25	Design Manual for Composite Decks, Form Decks and Roof Decks
SDI A250.8	Recommended Specifications for Standard Steel Doors and Frames (Steel Door Institute)
SDI DDM 01	Diaphragm Design Manual
SFPE	Society of Fire Protection Engineers (SFPE) Handbook
SJI	Standard Specifications Load Tables and Weight Tables for Steel Joists and Joist Girders
SMA 2005 (SMS 2006)	Specifications for Aluminum Sliding Screen Doors
SMA 3001	Aluminum Swinging Screen Doors
SMACNA	Architectural Sheet Metal Manual
SMACNA	Energy Recovery Equipment and Systems Manual
SMACNA	Fibrous Glass Duct Construction Standards

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
SMACNA	Fire Damper Guide for Air Handling Systems
SMACNA	HVAC Air Duct Leakage Test Manual
SMACNA	HVAC Duct Construction Standards-Metal and Flexible
SMACNA	HVAC Systems Duct Design Manual
SMACNA	Round Industrial Duct Construction Standards
SPRI	Single Ply Roofing: A Professional's Guide to Specifications
SPRI	Wind Design Guide for Ballasted Single Ply Roofing Systems
SPRI	Wind Design Guide for Fully Adhered Single Ply Roofing Systems
SPRI	Wind Design Guide for Mechanically Attached Single Ply Roofing Systems
SSFI SH 300	Steel Frame Shoring Safety
SSPC A	Good Painting Practice Steel Structures Painting Manual Volume 1
SSPC-Vis 1	Pictorial Surface Preparation Standards for Painting Steel Surfaces
SSPCA AB1	Mineral and Slag Abrasives
SSPCA AB2	Specification for Cleanliness of Recycled Ferrous Metallic Abrasives
SSPCA AB3	Ferrous Metallic Abrasive
SWI	Specifications Brochure for Steel Windows
TIA/EIA 526-7 and 14	Standard Test Procedures for Fiber Optic Systems
TIA/EIA 568-B1 thru B3	Commercial Building Telecommunications Cabling Standard

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
TIA/EIA 569 A thru A-7	Commercial Building Standard for Telecommunications Pathways and Spaces
TIA/EIA 598	Optical Fiber Cable Color Coding
TIA/EIA 607	Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications
TIA/EIA 758	Customer-Owned Outside Plant Telecommunications Cabling Standard
TIA/EIA-222-F	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures
Tire and Rim Manufacturer's Association	Recommended Practices for Fleet Operations
UL	Building Materials Directory
UL	Definition of 1.5 Hour or Greater Fire Resistance Rating (see UL 72)
UL	Fire Resistance Directory
UL	Product Directories of Underwriters Laboratories and Suppliers
UL 1034	Burglary-Resistant Electric Locking Mechanisms
UL 1076	Proprietary Burglar Alarm Units and Systems
UL 10A	Standard for Safety Tin Clad Fire Doors
UL 10B	Fire Tests of Door Assemblies
UL 13	Power-Limited Circuit Cables
UL 1310	Class 2 Power Units
UL 1316	UL Standard for Safety Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures
UL 1479	Standard for Fire Test of Through-Penetration Firestops

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
UL 155	Standard for Safety Tests for Fire Resistance for Vault and File Room Doors
UL 1610	Central-Station Burglar-Alarm Units
UL 1651	Optical Fiber Cable
UL 17	Vent or Chimney Connector Dampers for Oil-Fired Appliances
UL 1778	Uninterruptible Power Supply Systems
UL 1995	Heating and Cooling Equipment
UL 207	Standard for Safety Refrigerant-Containing Components and Accessories, Nonelectrical
UL 294	Access Control System Units
UL 296	Oil Burners
UL 3044	Surveillance Closed Circuit Television Equipment
UL 305	Safety Panic Hardware
UL 325	Standard for Safety Door, Drapery, Louver and Window Operators and Systems
UL 365	Police Station Connected Burglar Alarm Systems and Units
UL 444	Communication Cables
UL 452	Antenna Discharge Units
UL 493	Standard for Safety Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
UL 497	Protectors for Paired Conductor Communications Circuits
UL 497B	Protectors for Data Communications and Fire Alarm Circuits

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
UL 507	Electric Fans
UL 508	Standard for Safety Industrial Control Equipment
UL 555	Fire Dampers
UL 555S	UL Standard for Safety Smoke Dampers
UL 559	Standard for Heat Pumps, 3rd Edition with amendments
UL 58	UL Standard for Safety Steel Underground Tanks for Flammable and Combustible Liquids
UL 586	Standard for Safety High Efficiency Particulate Air Filter Units
UL 603	Power Supplies for Use with Burglar Alarm Systems
UL 609	Local Burglar Alarm Units and Systems
UL 611	Central-Station Burglar Alarm Systems
UL 618	Concrete Masonry Units
UL 636	Holdup Alarm Units and Systems
UL 639	Intrusion Detection Units
UL 681	Installation and Classification of Burglar and Holdup Alarm Systems
UL 682	Standard for Installation and Classification of Burglar and Holdup Alarm Systems, 2-26-99
UL 72	Standard for Safety Tests for Fire Resistance of Record Protection Equipment
UL 723	Standard for Safety Test for Surface Burning Characteristics of Building Materials
UL 726	Oil-Fired Boiler Assemblies

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
UL 727	Oil-Fired Central Furnaces
UL 729	Oil-Fired Floor Furnaces
UL 730	Oil-Fired Wall Furnaces
UL 731	Oil-Fired Unit Heaters
UL 752	Standard for Safety Bullet-Resisting Equipment
UL 752	Standard for Bullet-Resisting Equipment, 3-10-00
UL 768	Standard for Safety Combination Locks
UL 779	Standard for Safety Electrically Conductive Floorings
UL 827	Central Station Alarm Services
UL 827	Standard for Safety for Central-Station Alarm Services, 10-1-96
UL 896	Oil-Burning Stoves
UL 900	Standard for Safety Test Performance of Air Filter Units
UL 96	UL Standard for Safety Lighting Protection Components
UL 96A	Installation Requirements for Lightning Protection Systems
UL 983	Surveillance Camera Units
UL 984	Standard for Safety Hermetic Refrigerant Motor-Compressors
UL 992	Investigation for Test for the Flame Propagation Classification of Flooring and Floor Covering Materials
WEF M0008RPE	Design of Municipal Wastewater Treatment Plants

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
WMO No. 8	Guide to Meteorological Instruments and Methods of Observation

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.3 HVAC Systems by Facility/Location

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.3 HVAC Systems by Facility/Location

Building	Area	Type Unit	Manufacturer	Model Number	Capacity
C-100, Administration Bldg.	Computer Room	Split System, Gemini	Carrier	38ARZ007-501	6 ton
C-100, Administration Bldg.	Computer Room (north end)	Package System, Maverick II	McQuay	MPS015AYDL	15 ton, cool only
C-100, Administration Bldg.	Computer Room (south end)	Package System, Maverick II	McQuay	MPS015AYDL	15 ton, cool only
C-103, DOE Site Office	Roof Top Unit 1	Package Heat Pump	York	B36H036A	5 ton
C-103, DOE Site Office	Roof Top Unit 2	Package Heat Pump, Affinity	York	B6HX048A25A	4 ton
C-103, DOE Site Office	Roof Top Unit 3	Package Heat Pump	York	B36H036A	5 ton
C-103, DOE Site Office	Roof Top Unit 4	Package Heat Pump	York	B36H036A	5 ton
C-103, DOE Site Office	Roof Top Unit 5	Package Heat Pump, Sunline	York	XP060C00N2AAA2A	5 ton
C-103, DOE Site Office	Roof Top Unit 6	Package Heat Pump, Predator	York	XP090E36A2AAA4A	7.5 ton
C-103, DOE Site Office	Server Room	Heat Pump Rooftop Package	Mitsubishi	PUY-A24NHA	2 ton
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673046-02	2 ton
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673047-02	3 ton
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673048-02	3 ton

Building	Area	Type Unit	Manufacturer	Model Number	Capacity
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673049-02	3 ton
C-225-A, Post 48	Security Post, North Side	Type Unit: Split System Heat Pump, Mr. Slim	Mitsubishi	PUH36EK	3 ton
C-225-A, Post 48	Security Post, South Side	Type Unit: Split System Heat Pump, Mr. Slim	Mitsubishi	PUH36EK	3 ton
C-229, Post 229	Security Post, North Side	Wall-mount AC, with heat Strips	Bard	WA302-A10	2.5 ton cool, 10 KW heat
C-229, Post 229	Security Post, South Side	Wall-mount AC, with heat Strips	Bard	WA302-A10	2.5 ton cool, 10 KW heat
C-743-T11	C-743-T-11, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T11	C-743-T-11, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T13	C-743-T-13, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T13	C-743-T-13, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T14	C-743-T-14, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T14	C-743-T-14, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T17	C-743-T-17, East End	Wall mount AC	Bard	WA361-A00	3 ton, cool only
C-743-T17	C-743-T-17, West end	Wall mount AC	Bard	WA361-A00	3 ton, cool only
C-802A	Meteorological Comm. Bldg.	Wall mount AC, with heat strips	Bard	WA242-A05	2 ton cool, 5KW heat

Further HVAC Details of Buildings C-100, C-101

1. The C-100 and C-101 HVAC system is a heat exchange system.

2. The C-100 Building hot water (for faucets, restrooms, etc.) is supplied via a Constantemp heat exchanger, Model 5300. This unit is located in the SE mechanical room.

3. The C-100 Building has four mechanical rooms with a hot deck and a cold deck in each room. Each deck has a set of cold and hot coils (tube size ½") and one ventilation fan for each deck.

4. C-101 kitchen restrooms, kitchen change area, and kitchen perimeter have a fin type radiator system supplied with hot water via a circulating pump on an 8" X 8' heat exchanger in the C-101 basement mechanical room, northwest wall.

Mechanical Room Location	Type Deck	Number of Coils	Approximate Coil Size (each)	Fan ID Number	HVAC Vent Fan Approximate Size	Fan Motor Manufacturer	Motor Size
C-100 SE	Cold	3	24" X 48"	15	48"	GE	7.5 HP
C-100 SE	Hot	3	24" X 48"	16	48"	A.O. Smith	7.5 HP
C-100 Central	Cold	3	24" X 60"	09	72"	GE	10 HP
C-100 Central	Hot	3	24" X 60"	10	72"	Baldor	10 HP
C-100 SW	Cold	3	24" X 60"	12	48"	GE	7.5 HP
C-100 SW	Hot	3	24" X 60"	11	48"	GE	7.5 HP
C-100 NW	Cold	2	28" X 60"	13	60"	Teco	10 HP
C-100 NW	Hot	2	24" X 48"	14	48"	GE	7.5 HP
C-101	Cold	2	32" X 60"	6	60"	GE	10 HP
C-101	Hot	2	32" X 60"	7	60"	GE	10 HP

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.4 Fuel Dispensing Station Description

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.4 Fuel Dispensing Station Description

Location	Description
C-752-B Fueling Station	Two (2) 4,000 gallon spilt tanks. One tank has 3,000 gallons of regular unleaded and 1,000 gallon of E-85. The other tank has 3,000 gallons of bio-diesel and 1,000 gallons of diesel. The two steel tanks are manufactured by Southern Tank and Manufacturing. The Fuel Management System is a Pomeco OPW Fuel Island Terminal, Model Fit 500. The four pumps are Wayne Dresser, Model G6201P. The inventory measurement system is manufactured by Veeder Root Corp, model TLS-350.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.5 Overhead/Rolling Doors by Facility

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.5 Overhead/Rolling Doors by Facility

Location	# of Doors	Height	Width	Description
C-750 Garage	2	14 feet	14 feet	Rollup, electrically operated
	6	12 feet	12 feet	Overhead, electrically operated
C-755-A Maintenance Shop	2	14 feet	12 feet	Rollup, electrically operated
	2	14 feet	10 feet	

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.6 Elevators

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.6 Elevators

Building	Manufacturer	Description
C-100	Dover Elevator	General Hydraulic Elevator, 3,500 lb. capacity

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.10 Security Fences and Wire Cages Listing/Description

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.10 Security Fences and Wire Cages Listing/Description

Type	Location	Quantity	Number of Gates	Type	Manual/Elect
Chain Link	LA Perimeter	26,772 ft.	10 Double; 10 Single; 9 Turnstiles	10 Swing; 10 Roll	16 Manual; 4 Elect Roll
Chain Link	C-224 Post 15 Sally Port	681 ft.	2 Single; 2 Pop-up Vehicle Barriers	2 Roll	2 Electric Roll
Chain Link	C-225 Post 48 Sally Port	895 ft.	5 Double; 1 Turnstile; 1Pop-up Vehicle Barrier	5 Swing	4 Manual; 1 Electric Swing
Chain Link	C-360 Toll Transfer Area	1,098 ft.	6 Double; 2 Single	6 Swing; 2 Roll	6 Manual; 2 Electric Roll
Chain Link	C-611 Water Treatment Plant	3,652 ft.	1 Double; 1 Single	1 Swing; 1 Roll	1 Manual; 1 Electric Roll
Chain Link	C-612 Pump and Treat Facility	434 ft.	1 Double; 1 Single	2 Swing	2 Manual
Chain Link	C-612-A Pump and Treat Decontamination Pad	895 ft.	2 Single	2 Roll	2 Manual
Chain Link	C-613 Scrap Yard Sedimentation Basin	1,712 ft.	3 Double	3Swing	3 Manual
Chain Link	C-720 Receiving	443 ft.	1 Double; 1 Single; 1 Pedestrian	2 Swing; 1 Roll	3 Manual
Chain Link	C-720-G Area	547 ft.	2 Single; 1 Double	2 Roll; 1 Swing	3 Manual
Chain Link	C-743 Trailer Complex	1,119 ft.	2 Double; 1 Single; 1 Pedestrian; 1 Turnstile	3 Swing; 1 Roll	4 Manual; 1 Electric Roll
Chain Link	C-746-A North Warehouse	1,602 ft.	4 Double	3 Roll; 1 Swing	4 Manual
Chain Link	C-746-B1 Staging Area, Temporary Fence	1,794 ft.	2 Double	2 Swing	2 Manual
Chain Link	C-746-F SWMU 5 Scrap Burial Yard	2,132 ft.	2 Double	2 Swing	2 Manual
Chain Link	C-746-P, P1, C, C1 and E1 Scrap Metal Yards	5,956 ft.	8 Double; 2 Single	8 Swing; 2 Roll	10 Manual

Type	Location	Quantity	Number of Gates	Type	Manual/Elect
Chain Link	C-746-U Solid Waste Landfill	5,353 ft.	3 Double; 1 Single	3 Swing; 1 Roll	3 Manual; 1 Electric Roll
Barbed Wire	C-746-S and T Solid Waste and Inert Landfills (closed) SWMU 145	4,798 ft.	3 Double; 1 Single	3 Swing; 1 Roll	4 Manual
Chain Link	C-747-A SWMU 3 and C-748-B Burial Area	2,082 ft.	3 Double; 1 Single	3 Swing; 1 Roll	4 Manual
Chain Link	C-752-C Off-site Decontamination Pad and Storage Yard	1,680 ft.	2 Double; 2 Single; 3 Pedestrian	5 Swing; 2 Roll	7 Manual
Chain Link	C-755 Trailer Complex	2,258 ft.	3 Double; 3 Single; 1 Pedestrian; 4 Turnstiles	4 Swing; 3 Roll	6 Manual; 1 Electric Roll
Chain Link	C-764 Trailer Complex	965 ft.	3 Single; 2 Turnstiles	3 Roll	2 Manual; 1 Electric Roll
Chain Link	DUF6 Cylinder Yards	5,197 ft.	10 Double; 1 Pedestrian	11 Swing	11 Manual
Chain Link	C-745-G Cylinder Yard	983 ft.	2 Double; 2 Pedestrian	2 Roll; 2 Swing	4 Manual
Chain Link	DUF6 Area	2,357 ft.	2 Double; 2 Single; 2 Pedestrian; 6 Turnstiles	4 Swing; 2 Roll	4 Manual; 2 electric Roll
Chain Link	DUF6 Trailer Area	946 ft.	1 Double; 2 Turnstiles	1 Swing	1 Manual
Chain Link	RR Chute	2,474 ft.	5 Double	5 Swing	5 Manual
Chain Link	C-331 DMSA 09	264 ft.	2 Double	2 Swing	2 Manual
Chain Link	C-531 Switchyard	1,620 ft.	6 Single; 2 Double; 2 Pedestrian	5 Roll; 5 Swing	8 Manual; 2 Electric Roll
Chain Link	C-533 Switchyard	2,209 ft.	5 Single; 3 Double; 5 Pedestrian	5 Roll; 8 Swing	11 Manual; 2 Electric Roll
Chain Link	C-535 Switchyard	1,687 ft.	2 Single; 2 Double; 5 Pedestrian	2 Roll; 7 Swing	7 Manual; 2 Electric Roll
Chain Link	C-537 Switchyard	2,575 ft.	7 Double; 2 Single; 5 Pedestrian	3 Roll; 11 Swing	12 Manual; 2 Electric Roll
Woven Wire	C-616-E and F Lagoons	4,302 ft.	1 Double	1 Swing	1 Manual

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.12 Portable Fire Extinguisher Listing

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.12 Portable Fire Extinguisher Listing

Extinguisher Type	Size	Quantity
Dry Chemical	5 lb.	2,403
Dry Chemical	10 lb.	4
Dry Chemical	20 lb.	264
CO2	15 lb.	11
CO2	20 lb.	81
CO2	50 lb.	72
	Total	2,835

Extinguisher Type	Inspection/Test	Frequency	Maintenance Required	Location
All	Visual	Monthly	None	On-site
Carbon Dioxide (CO2)	Weight	Annual	Reweigh & conductivity	On-site
Carbon Dioxide (CO2)	Hydrostatic (HST)	5 Years	HST Test and refill	Off-site
Dry Chemical	Recharge	6 Years	Dump, rebuild head, refill, and recharge	On-site
Dry Chemical	Hydrostatic (HST)	12 Years	HST Test and refill	Off-site HST On-site refill

Note: Testing and maintenance of fire protection systems (e.g., sprinkler systems, fire alarms, smoke detection systems, smoke/heat vents, etc.), semi-annual sprinkler tests, and monthly fire inspections for life safety conditions remains the responsibility of the Deactivation contractor.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.4a Listing of Facilities and Service Level

Note: Size of Paper is 11x17

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
ATTACHMENT J-8.C.3.5.4a Listing of Facilities and Service Level

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
DEA	INF	C-100 (All areas except vaults & computing)	Building	**A**	96,819	**40,687**	18,726	21,961	0	9	2,392	Tile	20	19	8	0	1	43,079	40,445 Basement (no janitorial)
INF	INF	C-100 (Vaults & Computing)	Building	**A**	5,208	5,208	0	5,208	0	0	0	NA	0	0	0	0	0	5,208	
DEA	INF	C-100-T04	Trailer	**D**	1,440	**1,440**	1,440	**0**	0	0	0	NA	0	0	0	0	0	1,440	
DEA	INF	C-100-T05	Trailer	**D**	1,440	**1,440**	1,076	364	0	0	0	NA	0	0	0	0	0	1,440	
DEA	INF	C-100-T06	Trailer	**D**	1,440	**1,440**	1,224	0	216	0	0	NA	0	0	0	0	0	1,440	
DEA	INF	C-100-T08	Trailer	**D**	1,440	**105**	0	105	0	2 (change area only)	473	Tile	0	0	0	0	0	578	Change house
INF	INF	C-101	Building	**A**	18,326	**1,429**	743	686	9,693	2	682	Tile	3	2	1	2	1	11,804	7,000 sqft in Basement (no janitorial)
DEA	INF	C-102	Building	**A**	11,666	**7,288**	1,361	5,927	240	2	915	Tile	6	5	2	2	1	8,443	5 Add'l sinks
DEA	INF	C-102-T01	Trailer	**D**	1,800	**1,592**	1,592	0	N/A	2	108	Tile	2	2	0	0	0	1,700	
DEA	INF	C-102-T02	Trailer	**D**	1,800	**1,412**	1,412	0	180	2	108	Tile	2	2	0	0	0	1,700	
DEA	INF	C-102-T03	Trailer	**D**	1,800	**1,520**	1,520	0	72	2	108	Tile	2	2	0	0	0	1,700	1 Add'l sink
DEA	INF	C-102-T04	Trailer	**D**	1,800	**1,066**	0	1,066	234	2	140	Tile	2	2	0	1	0	1,440	1 Add'l sink
DEA	INF	C-102-T05	Trailer	**D**	1,800	**1,386**	1,386	0	72	2	128	Tile	2	2	0	0	0	1,566	1 Add'l sink
DEA	INF	C-102-T06	Trailer	**D**	1,800	**1,240**	1,240	0	72	2	128	Tile	2	2	0	0	0	1,375	1 Add'l sink
DEA	INF	C-102-T07	Trailer	**D**	1,800	**1,166**	0	1,166	318	2 (change area only)	196	Tile	0	0	0	0	0	1,680	
DEA	INF	C-102-T08	Trailer	**D**	48	**48**	0	48	0	0	0	NA	0	0	0	0	0	0	Small trailer

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
DEA	INF	C-102-T09	Trailer	**D**	96	**96**	0	96	0	0	0	NA	0	0	0	0	0	0	Small trailer
INF	INF	C-103	Building	**A**	7,435	**7,313**	7,153	0	160	2	122	Tile	4	4	1	0	0	7,435	DOE, 1 Add'l sink
INF	INF	C-103 Annex	Building	**A**	3,264	**3,064**	2,952	0	112	2	200	Tile	2	2	0	2	1	3,264	DOE
DEA	INF	C-200	Building	**A**	19,490	**6,129**	993	5,136	1,308	4	3,277	Tile	6	7	4	8	2	10,714	RR includes 2,500 in change area and 2 Add'l sinks
DEA	N/A	C-200-A	Building	**B**	1,600	**1,408**	0	1,408	0	1	56	Tile	1	1	0	0	0	720	
DEA	INF	C-202	Building	**A**	3,446	**576**	0	576	0	0	0	NA	0	0	0	0	0	576	Security Trg. Rm
DEA	INF	C-205	Building	**C**	4,100	**720**	0	720	0	1	25	Tile	1	1	0	0	0	720	Respirator Facility
DEA	INF	C-212	Building	**B**	3,471	**1,837**	0	1,837	221	2	126	Tile	2	2	0	0	1	2,184	ES&H
DEA	INF	C-212-A	Building	**B**	280	**453**	0	453	0	2	101	Tile	2	2	0	0	0	554	Union Office
INF	INF	C-212-U	Building	**B**	1,715	**823**	0	823	180	2	85	Tile	2	2	1	0	1	1,088	Old Utility Office
DEA	INF	C-214	Building	**D**	128	**128**	**0**	128	0	0	0	NA	0	0	0	0	0	128	Post 57 (floor is plexiglass)
DEA	INF	C-216	Building	**D**	500	**480**	0	480	0	1	20	Tile	1	1	0	0	0	500	Post 47 – Used by HP
DEA	INF	C-224	Building	**A**	1,680	**1,631**	0	1,631	0	1	49	Tile	1	1	0	0	0	1,680	Post 15
DEA	INF	C-225	Building	**A**	1,598	**1,549**	0	1,549	0	1	49	Tile	1	1	0	0	0	1,598	Post 48
INF	INF	C-225-A	Building	**D**	64	**0**	**0**	0	0	0	0	NA	0	0	0	0	0	0	Post 48 Annex
INF	INF	C-229	Trailer	**D**	588	**588**	**588**	0	0	0	0	NA	0	0	0	0	0	0	Post 229
DEA	INF	C-300	Building	**A**	16,022	**2,272**	1,876	396	228	2	216	Tile	2	3	1	0	1	2,716	1 Add'l sink
DEA	INF	C-302	Building	**A**	7,366	**6,494**	638	5,856	249	2	189	Tile	2	4	1	0	1	6,932	1 Add'l sink
DEA	INF	C-304	Building	**A**	8,000	**4,086**	1,438	2,648	249	2	256	Tile	3	6	1	0	1	4,591	4 Add'l sinks
DEA	INF	C-310	Building	**C**	112,240	**2,718**	0	2718	64	2	306	Epoxy	2	2	1	2	1	2,788	1 Add'l sink
DEA	INF	C-315	Building	**C**	16,040	**851**	0	851	45	2	248	Epoxy	2	2	1	2	1	844	One add'l sink
DEA	INF	C-331	Building	**D**	1,029,120	**3,359**	0	3,359	745	4	1,480	Epoxy	5	7	2	13	2	3,514	Includes 720 sq. ft. of change area, 3 add'l sinks

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
DEA	INF	C-331-T07	Trailer	**D**	720	**660**	0	660	0	0	0	NA	0	0	0	0	0	660	
DEA	INF	C-333	Building	**D**	2,130,120	**3,963**	0	3,963	1,631	5	2,166	Epoxy	7	5	2	16	2	5,260	Includes 1,597 sq. ft. of change area, 2 add'l sinks
DEA	INF	C-333-A	Building	**D**	8,305	**228**	0	228	150	1	30	Tile	1	1	0	0	0	408	One add'l sink
DEA	INF	C-335	Building	**D**	1,029,120	**3,596**	0	3,596	1,751	4	1,703	Epoxy	6	7	2	7	2	4,980	Includes 1,023 sq. ft. of change area , 3 add'l sinks
DEA	INF	C-337	Building	**D**	2,130,120	**4,175**	0	4,175	2,157	5	1,412	Epoxy	5	6	4	11	1	5,244	Includes 762 sq. ft. of change area, 4 add'l sinks
DEA	INF	C-337-A	Building	**D**	8,556	**323**	0	323	108	1	72	Tile	1	1	0	0	0	503	One add'l sink
DEA	INF	C-360	Building	**C**	17,800	**1,276**	0	1,276	360	2	485	Tile	2	4	1	4	1	2,121	
DEA	INF	C-360-A	Building	**D**	8,318	**160**	0	160	0	0	0	NA	0	0	0	0	0	160	
DEA	INF	C-400	Building	**C**	116,140	**3,554**	0	3,554	828	4	1,235	Tile	5	5	2	9	1	5,617	Office includes 1,967 sq. feet of hall. RR includes 595 sq. ft. of change area. Two add'l sinks in break areas.
DEA	INF	C-409	Building	**C**	26,797	**732**	0	732	720	2	953	Epoxy	4	4	1	6	1	2,405	Break area includes one add'l sink. RR includes 632 sq. ft. of change area.
REM	INF	C-412-T01	Trailer	**C**	1,440	**1,314**	978	336	63	1	63	Tile	0	1	0	0	1	1,440	
REM	INF	C-412-T02	Trailer	**C**	1,440	**1,314**	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
REM	INF	C-412-T03	Trailer	**C**	1,440	**1,266**	600	666	0	2	126	Tile	2	2	0	0	0	1,392	
REM	INF	C-412-T04	Trailer	**C**	1,440	**1,214**	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
REM	INF	C-412-T05	Trailer	**C**	1,440	**1,214**	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
REM	INF	C-412-T06	Trailer	**C**	1,440	**1,314**	0	0	1,314	2	126	Tile	2	2	0	0	0	1,440	(tile flooring throughout)
REM	INF	C-412-T07	Trailer	**C**	1,440	**0**	**0**	0	0	2	1,440	Tile	4	5	1	14	0	1,440	Shower and Change trailer (506 sq. ft is change area)
REM	INF	C-412-T08	Trailer	**C**	1,440	**1,214**	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
REM	INF	C-412-T09	Trailer	**C**	1,440	**1,214**	978	336	0	2	126	Tile	2	2	0	0	0	1,440	Approx. 50% of tile (118 sq. ft. is missing from hallway.

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
																			Wooden floor showing
REM	INF	C-412-T10	Trailer	**C**	1,440	**1,314**	0	0	1,314	2	126	Tile	2	2	0	0	0	1,440	Break Trailer (tile flooring throughout)
REM	INF	C-412-T11	Trailer	**C**	1,440	**0**	**0**	0	0	2	1,440	Vinyl	4	5	1	14	0	1,440	Shower and Change trailer (506 sq. ft. is change area)
REM	INF	C-412-T12	Trailer	**C**	1,440	**0**	**0**	0	0	2	1,440	Tile	4	5	1	14	0	1,440	Shower and Change trailer (506 sq. ft. is change area)
REM	INF	C-412-T13	Trailer	**C**	1,440	**1,314**	0	1,314	0	2	126	Tile	2	2	0	0	0	1,440	
REM	INF	C-412-T14	Trailer	**C**	1,440	**1,207**	0	660	550	2	126	Vinyl	2	2	0	0	0	1,336	
DEA	INF	C-531-1	Building	**D**	31,400	**0**	**0**	**0**	0	1	72	Concrete	1	1	0	0	1	72	
DEA	INF	C-532	Building	**D**	7,784	**1,579**	0	1, 579	90	2	311	Epoxy	2	2	1	3	1	1,980	1 Add'l Sink
DEA	INF	C-533-1	Building	**D**	37,360	**0**	**0**	0	0	1	65	Concrete	1	1	1	0	0	65	
DEA	INF	C-535-1	Building	**D**	28,000	**0**	**0**	0	0	1	77	Concrete	1	1	1	0	1	77	
DEA	INF	C-535-4	Building	**D**	480	**0**	**0**	**0**	480	0	0	NA	0	0	0	0	0	480	Maint. Break Area, 2 sinks
DEA	INF	C-536	Building	**D**	7,784	**1,579**	0	1,579	90	2	311	Epoxy	2	2	1	3	1	1,980	1 Add'l Sink
DEA	INF	C-537-1	Building	**D**	42,140	**0**	**0**	0	0	1	77	Concrete	1	1	1	0	1	77	
DEA	INF	C-537-4	Building	**D**	480	**0**	**0**	**0**	480	0	0	NA	0	0	0	0	0	480	Maint Break Area, 2 sinks
DEA	INF	C-600	Building	**C**	47,424	**320**	0	320	432	2	384	Epoxy	2	2	1	5	0	1,136	2 Add'l sinks
DEA	INF	C-604	Building	**D**	2,400	**140**	0	140	192	1	270	Epoxy	2	1	1	5	1	602	Add'l sink
DEA	INF	C-611-A1	Building	**D**	13,067	528	0	528	202	1	21	Tile	1	1	0	0	0	751	
DEA	INF	C-611-T01	Trailer	**D**	670	**187**	0	187	99	2	128	Tile	1	1	0	2	0	414	
REM	INF	C-612-T01	Trailer	**D**	644	**644**	0	644	0	0	0	NA	0	0	0	0	0	644	No RR facilities (vinyl floor covering)
REM	INF	C-612-T02	Trailer	**D**	644	**644**	0	644	0	0	0	NA	0	0	0	0	0	644	No RR facilities (vinyl floor covering)
REM	INF	C-612-T03	Trailer	**D**	672	**582**	0	582	0	2	90	Tile	2	2	0	2	0	672	
DEA	INF	C-615	Building	**D**	806	**0**	**0**	**0**	0	2	88	Concrete	1	1	0	0	1	0	
DEA	INF	C-616-A	Building	**D**	2,000	**220**	**0**	220	0	1	98	Concrete	1	1	0	1	0	318	

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
DEA	INF	C-631-1	Building	**D**	9,700	**0**	**0**	0	0	1	216	Concrete	1	1	1	1	0	216	1 Add'l Sink
DEA	INF	C-631-T08	Trailer	**D**	196	**0**	0	0	0	1	272	Tile	0	0	0	0	0	272	Asbestos change area only
DEA	INF	C-631-T09	Trailer	**D**	776	**0**	0	0	270	1	16	Tile	1	1	0	0	0	286	Asbestos break trailer, one add'l sink
DEA	INF	C-631-T14	Trailer	**D**	320	**240**	0	240	0	0	0	NA	0	0	0	0	0	240	No RR, wood floor
DEA	INF	C-633-1	Building	**D**	10,245	**0**	**0**	0	0	1	308	Concrete	1	1	1	0	1	0	Restroom OOS
DEA	INF	C-635-1	Building	**D**	8,505	0	0	0	0	1	0	NA	0	0	0	0	0	0	Restroom OOS
DEA	INF	C-637-1	Building	**D**	10,245	**0**	**0**	**0**	0	1	0	NA	0	0	0	0	0	0	Restroom OOS
DEA	N/A	C-709	Building	**B**	33,000	6,170	0	6,170	0	2	416	Tile	6	5	1	0	1	6,586	Includes 5,850 sq.ft. of hallways and 320 sqft of stairwells
DEA	INF	C-710	Building	**C**	84,333	**15,862**	0	13,672 tile // 2,190 concrete	575	4	2,057	50% Tile, 50% Epoxy	10	12	5	12	2	18,494	Includes 5,034 sq. ft. of hallways, 804 sq. ft of stairwells, and 975 sq. feet of change area. 3 add'l sinks
DEA	INF	C-720	Building	**D**	299,944	**28,464**	0	28,464	2,652	10	4,411	Epoxy	20	29	9	34	3	29,765	Includes 2,057 sq. ft. of change area, 6 add'l sinks, and 2,792 sq. ft. of hallway
DEA	INF	C-720-C	Building	**D**	28,134	**300**	0	300	510	1	72	Tile	1	2	1	0	0	817	
DEA	INF	C-720-E	Building	**C**	3,467	**0**	**0**	**0**	0	1	3,154	Epoxy	5	6	4	28	1	3,154	Includes, 1,890 sq. ft. of change area
DEA	INF	C-720-K	Building	**D**	1,520	798	0	798	450	0	0	NA	0	0	0	0	0	1,248	Addition
DEA	INF	C-720-M	Trailer	**D**	1,440	**100**	100	0	264	1	155	Vinyl	1	1	0	0	0	519	
DEA	INF	C-720-R	Trailer Repair	**D**	250	**0**	**0**	**0**	0	0	0	NA	0	0	0	0	0	N/A	
DEA	INF	C-720-S	Trailer	**D**	256	**0**	**0**	0	0	0	0	NA	0	0	0	0	0	N/A	
DEA	INF	C-720-T08	Trailer	**D**	200	**160**	0	160	0	0	0	NA	0	0	0	0	0	160	
DEA	INF	C-724-A	Building	**D**	3,900	**896**	0	896	900	1	264	Epoxy	2	2	0	4	1	1,796	1 Add'l sink
DEA	INF	C-724-B	Building	**D**	10,215	**0**	**0**	**0**	0	1	1,459	Concrete	2	4	4	6	1	1,459	Includes 444 sq. ft. of change

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
																			house
DEA	INF	C-724-C	Building	**D**	1,600	**288**	**288**	0	0	0	0	NA	0	0	0	0	0	288	
DEA	INF	C-730	Building	**D**	1,057	**220**	**0**	220	0	1	15	Tile	1	1	0	0	0	235	
REM	INF	C-730-T01	Trailers	**C**	220	**649**	220	429	0	0	0	NA	0	0	0	0	0	649	
REM	INF	C-730-T02	Trailer	**D**	672	**605**	121	484	0	1	28	Vinyl	1	1	0	0	0	633	
REM	INF	C-730-T06	Trailer	**D**	1,560	**1,344**	888	326	130	2	113	Tile	2	2	0	0	0	1,457	
DEA	INF	C-743	Building	**C**	9,973	**8,086**	0	8,086	660	2	614	Tile	4	5	2	2	1	9,360	
REM	INF	C-743-T01	Trailer	**D**	1,650	**1,267**	1,267	0	0	2	90	Tile	2	2	0	0	0	1,357	
REM	INF	C-743-T02	Trailer	**D**	1,650	**1,267**	1,267	0	0	2	90	Tile	2	2	0	0	0	1,357	
REM	INF	C-743-T03	Trailer	**D**	1,650	**1,515**	1515	0	0	2	78	Tile	2	2	0	0	0	1,593	
REM	INF	C-743-T07	Trailer	**D**	672	**605**	605	0	0	1	18	Tile	1	1	0	0	0	623	
REM	INF	C-743-T09	Trailer	**D**	1,650	**1,377**	0	1377	72	2	144	Tile	2	2	0	0	0	1,593	
INF	INF	C-743-T11	Trailer	**D**	1,600	**1,500**	1164	236	0	2	100	Vinyl	2	2	0	0	0	1,500	
REM	INF	C-743-T12	Trailer	**D**	1,600	**1,355**	0	1355	130	2	108	Vinyl	2	2	0	0	0	1,593	
INF	INF	C-743-T13	Trailer	**D**	1,600	**1,473**	684	789	0	1	120	Vinyl	1	1	0	0	0	1,593	
INF	INF	C-743-T14	Trailer	**D**	1,600	**1,377**	864	513	0	2	216	Vinyl	3	3	1	0	0	1,593	
REM	INF	C-743-T15	Trailer	**D**	1,600	**1400**	582	618	0	2	200	Vinyl	3	3	1	0	0	1,400	
REM	INF	C-743-T16	Trailer	**D**	1,600	**1485**	0	1485	0	2	108	Vinyl	2	2	0	0	0	1,593	
REM	N/A	C-743-T17	Trailer	**D**	1,733	**0**	**0**	**0**	0	1	132	Tile	1	1	0	0	0	132	Facility is strictly a lab
DEA	N/A	C-744	Building	**D**	6,400	**206**	0	206	924	2	356	Concrete	5	3	3	0	0	1,165	
REM	INF	C-746-P-T01	Trailer	**D**	1,344	**324**	0	324	84	1	65	Tile	1	1	0	0	0	473	
REM	INF	C-746-U1	Building	**D**	624	**128**	128	0	288	1	72	Tile	1	1	0	1	0	488	
REM	INF	C-746-U2	Building	**D**	3,048	**2976**	**2976**	0	0	1	64	Tile	1	1	0	1	0	64	Facility is strictly a shop area
REM	INF	C-746-U-T14	Trailer	**D**	360	**0**	**0**	0	0	1	400	Vinyl	2	2	2	3	0	400	
INF	INF	C-750	Building	**C**	11,866	**285**	0	285	324	2	358	Concrete	2	2	1	2	1	967	Garage
REM	INF	C-752-A	Building	**D**	42,000	**0**	0	0	875	0	0	NA	0	0	0	0	0	875	

Operationally Responsible	Janitorial	Facility Identification Number	Facility Type	Service Level Req'd	Gross Sq.ft. - Acreage	Office / Conf. Rooms Sq.ft.	Office/ Conf. Rm. Carpet Sqft	Office/ Conf. Rm. Tile Sqft	Break Rooms/ Kitchen Sq. Ft.	Number of Restrooms (RR)	Total Sqft of RR	Type RR floors:	RR: No. of Sinks:	RR: No. of Commodes:	RR: No. of Urinals:	RR: No. of Showers:	RR: No. of *Mop* Sinks:	Total Sq. Ft Req Service:	Comments
REM	N/A	C-753-A	Building	**D**	32,160	**0**	0	0	595	0	0	NA	0	0	0	0	0	595	
INF	INF	C-755-A	Building	**D**	30,967	**0**	**0**	0	0	0	0	NA	0	0	0	0	0	0	
REM	INF	C-755-B	Building	**C**	2,400	**0**	**0**	0	0	2	1,603	Tile	5	5	2	5	0	1,603	(includes 780 change area)
REM	INF	C-755-D	Building	**D**	160	**100**	**0**	100	0	0	0	NA	0	0	0	0	0	100	Guard Shack
REM	INF	C-755-T01 THROUGH T09	Trailers	**D**	14,280	**12,650**	8,499	4,151	540	10	976	Tile	10	10	0	1	0	14,166	Trailer 08 has been replaced with trailer 8A
INF	INF	C-755-T17	Trailer	**D**	840	**0**	**0**	0	0	1	570	Vinyl	2	2	0	8	0		340 square feet is change area
REM	INF	C-755-T19	Trailer	**D**	480	895	0	895	575	2	96	Tile	2	2	0	0	0	1,566	
REM	INF	C-755-T22	Trailer	**D**	1,084	**897**	414	483	187	0	0	NA	0	0	0	0	0	1,084	Replaced with 22A
REM	INF	C-755-T23	Trailer	**D**	274	**224**	0	154	120	0	0	NA	0	0	0	0	0		
DEA	N/A	C-757	Building	**B**	10,000	**200**	0	200	720	2	224	Tile	2	3	1	0	1	1,144	1 add'l sink
DEA	INF	C-757-T01	Trailer	**C**	160	**160**	**0**	160	0	0	0	NA	0	0	0	0	0	0	
REM	INF	C-764	Trailers	**D**	15,936	**12,271**	8,645	3,626	441	22	1,634	Tile	24	25	1	16	0	14,346	Includes 517 sq. ft. of change area
INF	INF	C-801	Building	**D**	1,080	**0**	**0**	**0**	0	0	0	NA	0	0	0	0	0	0	Bus Shelter
INF	INF	K-T01	Trailer	**B**	1,600	**1,408**	0	1,408	0	1	56	Tile	1	1	0	0	0	1,464	C-200 Annex

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.4b Service Level Frequency Description

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.4b Service Level Frequency Description

Work Item		Service Level			
		A	B	C	D
SPACE CLEANING	Emptying Waste Containers (Food Containing and Restroom Containers)	D	D	D	D
	Emptying Waste Containers (Interior Trash Disposal; office rubbish)	D	D	2W	2W
	Low Area Cleaning (Room Cleaning)	W	W	M	4Y
	Recyclable Collection	W	W	M	2W
	Special Cleaning (Clean Fountains/Sinks/Kitchen/Coffee Mess)	D	D	W	M
	Interior Window Cleaning (Clean Interior Glass)	4Y	2Y	Y	Y
	Exterior Window Cleaning	Y	Y	Y	Y
	HVAC Diffusers	Y	Y	Y	Y
FLOORS	Sweeping/Dust Mopping (Dust Mop/Sweep Floor)	W	2M	M	3Y
	Vacuum Carpets and Rugs (Vacuum Carpet)	W	2M	M	3Y
	Cleaning Walk-off Mats	W	2M	M	3Y
	Waxing and Buffing (Floor Finish)	M	6Y	2Y	Y
	Stripping and Re-waxing (Strip/Seal/Refinish Tile Floor)	4Y	3Y	2Y	Y
	Carpet and Rug Deep Cleaning (Shampoo Carpet)	4Y	3Y	2Y	Y
RESTROOM, BREAKROOM	Restroom Services	D	2W	W	2M
	Restroom Cleaning (Clean Restrooms)	D	2W	W	2M
	Supplies (Service Restrooms)	D	2W	W	2M
	Damp Mopping (Wet Mop)	D	2W	W	2M

LEGEND	
D	Daily
2W	Two times per week
W	One Time per week
3Y	Three times per year
2Y	Two times per year
Y	One time per year
M	One time per month
6Y	Six times per year
4Y	Four times per year
2M	Two times per month
AR	As Required (At least once per year)

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

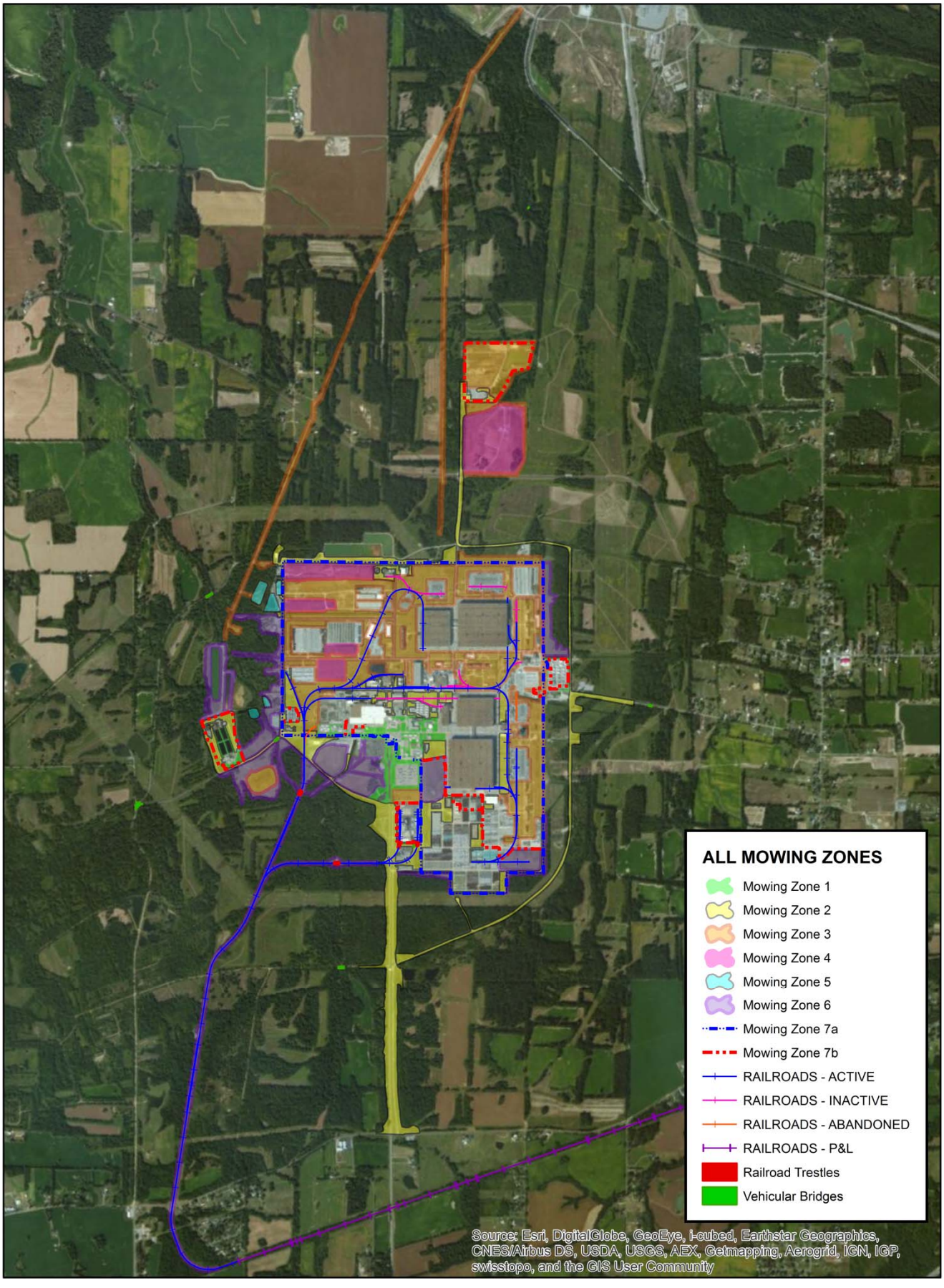
ATTACHMENT J-8.C.3.5.5a Mowing Zone Map

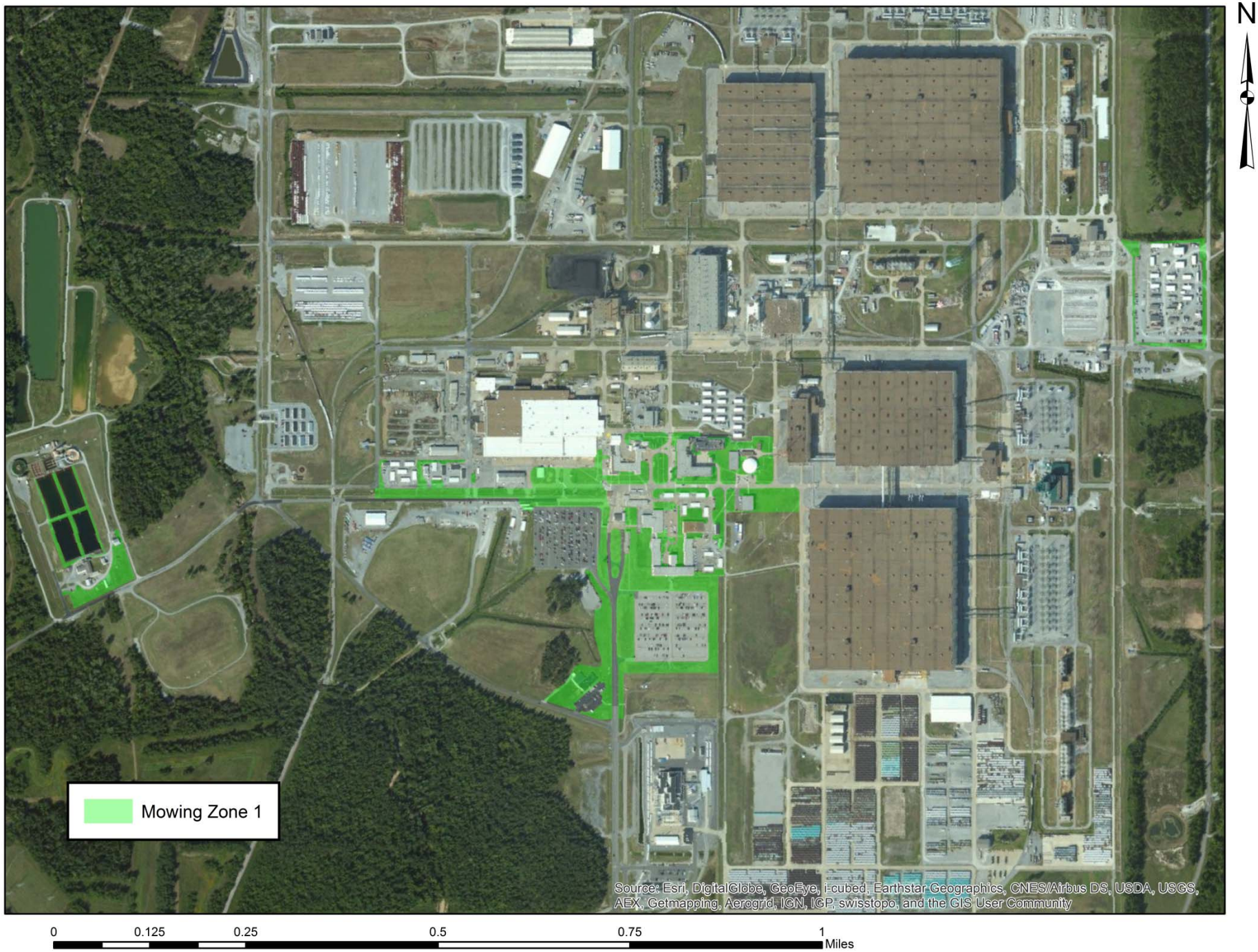
SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

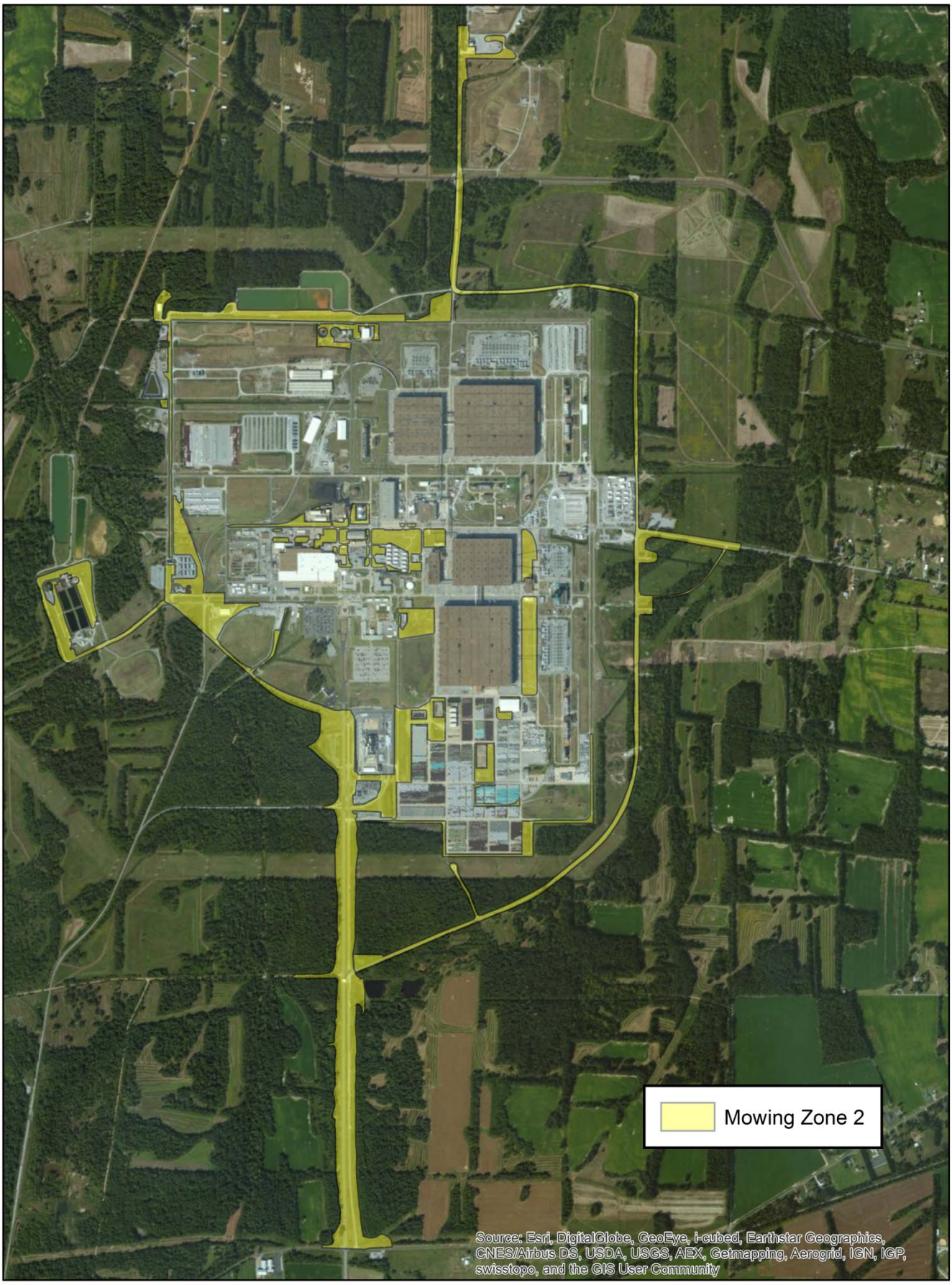
ATTACHMENT J-8.C.3.5.5a Mowing Map

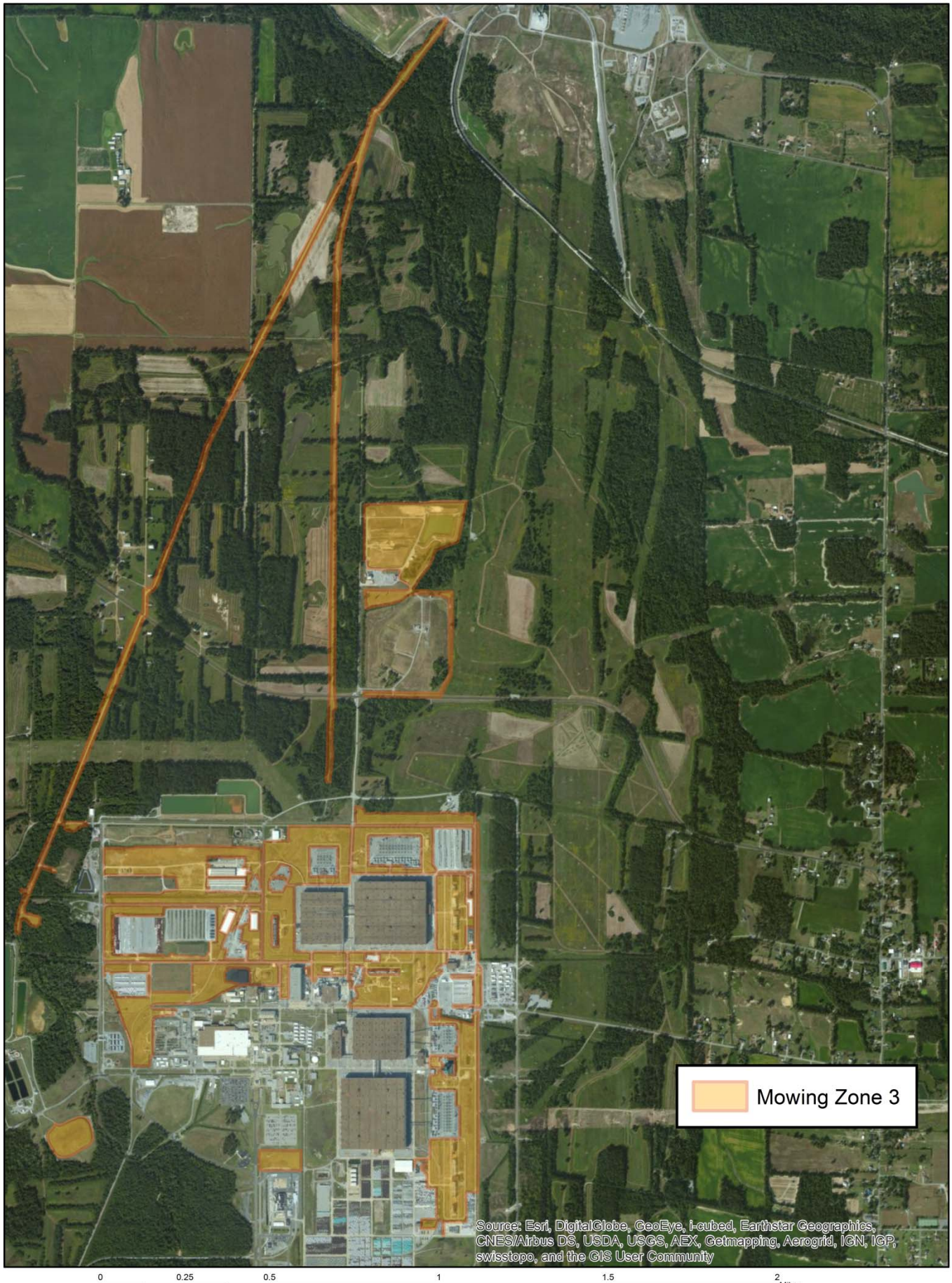
Mowing Legend

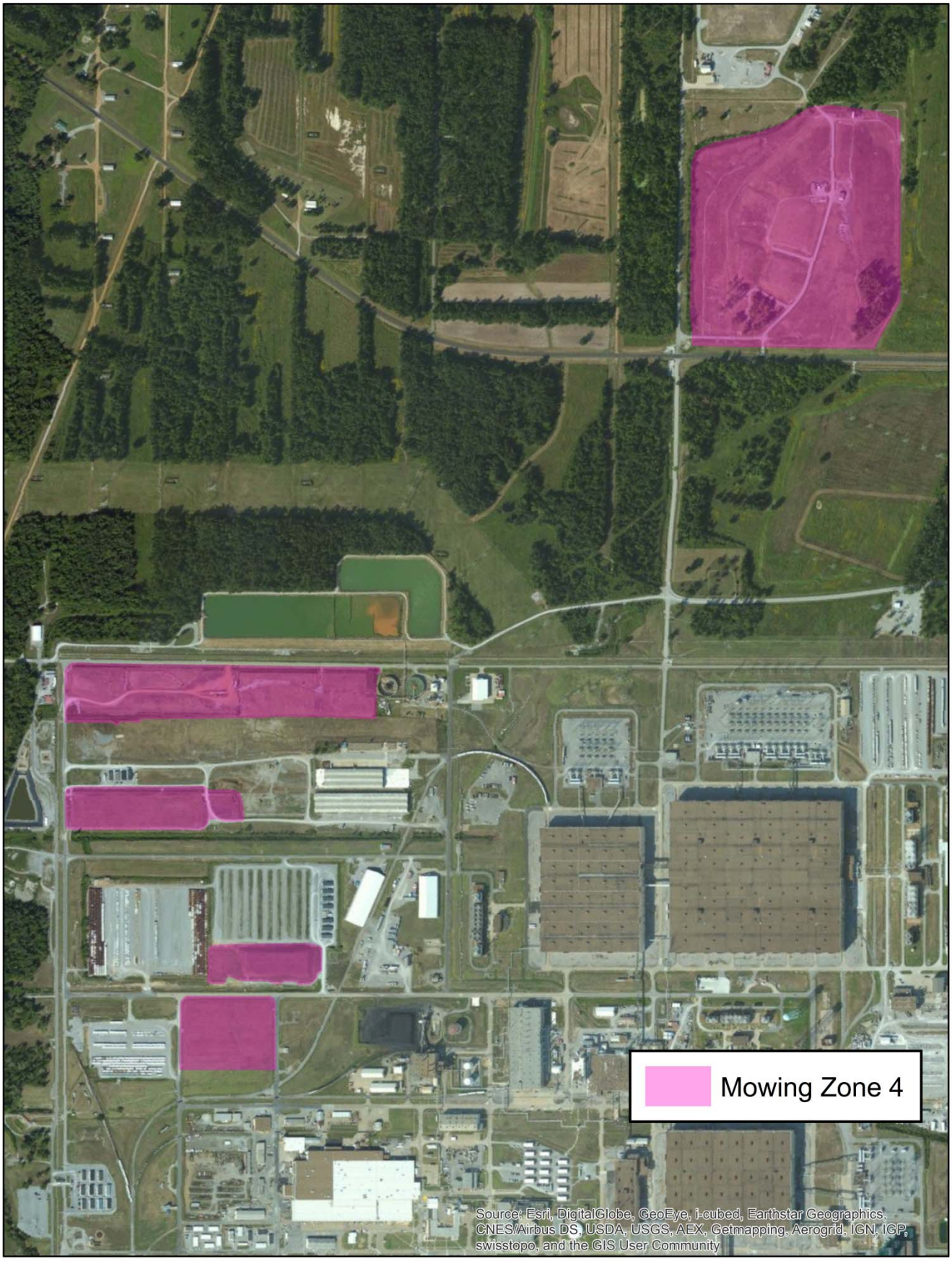
Zone 1 – Green
Zone 2 – Yellow
Zone 3 – Orange
Zone 4 – Pink
Zone 5 – Light Blue
Zone 6 – Purple
Zone 7 – Dark Blue/Red


N
ALL MOWING ZONES
Mowing Zone 1
Mowing Zone 2
Mowing Zone 3
Mowing Zone 4
Mowing Zone 5
Mowing Zone 6
Mowing Zone 7a
Mowing Zone 7b
RAILROADS - ACTIVE
RAILROADS - INACTIVE
RAILROADS - ABANDONED
RAILROADS - P&L
Railroad Trestles
Vehicular Bridges
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.375
0.75
1.5
2.25
3
Miles

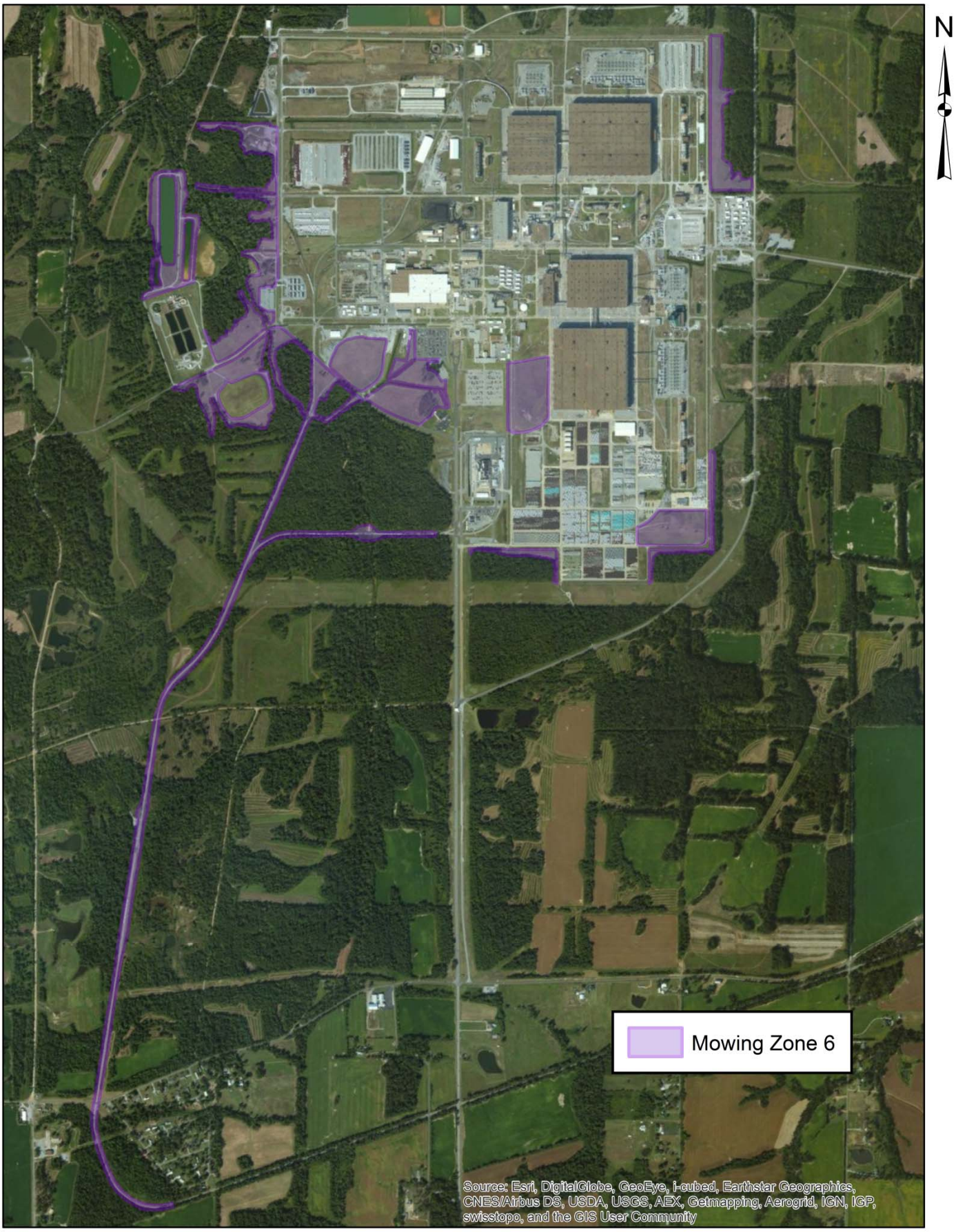

N
Mowing Zone 1
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.125
0.25
0.5
0.75
1
Miles

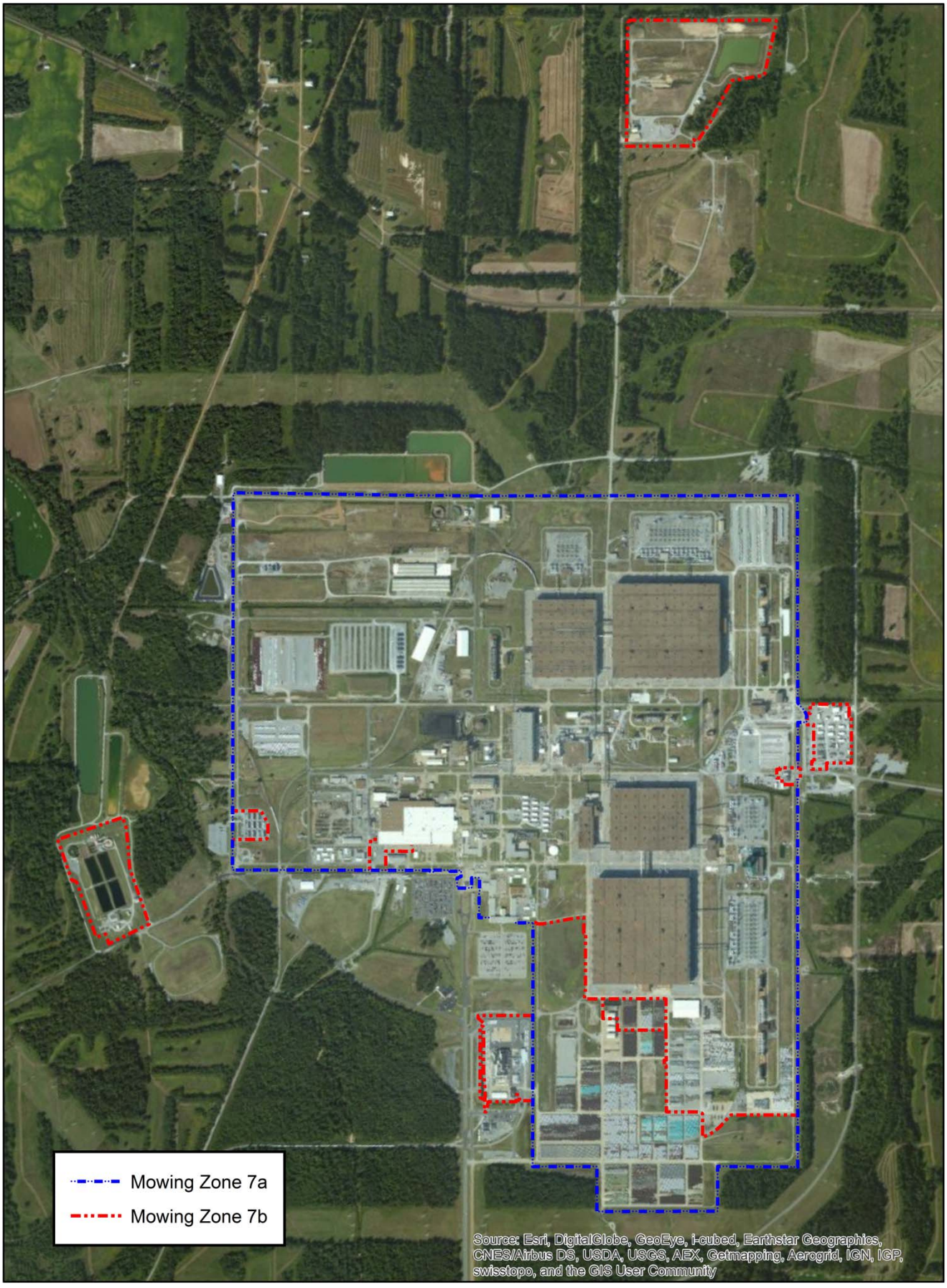

N
Mowing Zone 2
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.25
0.5
1
1.5
2
Miles


N
Mowing Zone 3
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.25
0.5
1
1.5
2
Miles


N
Mowing Zone 4
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.125
0.25
0.5
0.75
1
Miles


N
Mowing Zone 5
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.125
0.25
0.5
0.75
1
Miles


N
Mowing Zone 6
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.25
0.5
1
1.5
2
Miles


N
Mowing Zone 7a
Mowing Zone 7b
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.125
0.25
0.5
0.75
1
Miles

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5b Sampling Well Location Map

0 1,200 2,400 4,800 Feet

TRUE NORTH 20° PLANT NORTH

Ohio River

MW146 MW439 MW440 MW441 MW433 MW435 MW152 MW442 MW443 MW444 MW448 MW450 R83 R21 MW473 MW474 MW475 MW476 MW199 MW201 MW445 MW447 MW463 MW464 MW467 MW468 MW411 MW202 MW490 MW491 MW135 MW236 MW233 MW360 MW361 MW362 MW98 MW465 MW466 MW469 MW470 MW471 MW472 R14 MW121 MW123 MW125 MW127 MW381 MW493 MW494 MW363 MW364 MW365 MW100 R13 MW238 MW240 R12 MW380 MW366 MW367 MW368 MW139 MW99 MW477 MW148 MW149 R19 MW357 MW358 MW359 MW375 MW376 R20 MW200 MW372 MW373 MW374 MW377 MW391 MW392 MW393 MW418 MW419 MW483 MW484 MW410 MW252 MW487 MW369 MW371 MW389 MW390 MW221 MW223 MW222 MW224 MW485 MW486 MW451 R2 MW387 MW388 MW384 MW385 MW386 MW220 MW182 MW397 MW394 MW395 MW396 MW409 R384 R392 R387 MW134 MW453 MW457 MW458 MW253 MW193 MW459 MW460 MW455 MW456 MW197 R302 MW461 MW462 MW497 MW498 MW481 MW482 MW501 MW502 MW150 MW194 MW503 MW504 MW291 MW293A R294 MW243 MW242 MW345 MW248 MW250 MW499 MW500 MW173 MW174 MW283 MW106 MW245 MW186 MW340 MW356 MW145 MW288 MW191 MW63 MW355 MW165 MW426 MW427 MW339 MW261 MW432 MW66 MW187 MW124 MW126 MW431 MW169 MW262 MW205 MW292 MW354 MW428 MW429A MW168 MW343 MW341 MW260 MW479 MW480 MW403 MW404 MW206 MW163 MW329 MW258 MW478 MW328 MW203 MW161 MW256 MW103 MW255 MW344 MW302 MW301 MW300 MW305

MW84 MW85 MW87 MW88 MW90A MW91 MW67 MW337 MW338 MW86 MW89 MW92 MW93 MW94 MW333 MW95A MW420 MW76 MW415 MW414 MW227 MW226 MW417 MW416

Monitoring Well Locations

- C-404, C-746-K, C-746-S&-T, and C-746-U
- RESIDENTIAL AND CARBON FILTER
- NORTHWEST, NORTHEAST PLUME O&M
- C-400 RAWP
- ENVIRONMENTAL SURVEILLANCE

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT

LATA Environmental Services of Kentucky, LLC

Monitoring Wells Sampled under EMP

FIGURE No. EMP|EMPWellsallR2.mxd
DATE 12-13-2010

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5c Sampling Well Frequency Schedule

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5c Sampling Well Frequency Schedule

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
CM01	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM02	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM03	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM04	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM05	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM06	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM07	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM08	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM09	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM10	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM11	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
CM12	PTZ Project	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
EW228	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW229	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW230	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW231	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW232	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW233	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW331	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year
EW332	RGA	Current	DOE/KDFWR/TVA	NA	NA	NR	3/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW63	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW64	UCRS	Current	DOE	NS	A	A	1/Year
MW65	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW66	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW67	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW68	RGA	Current	DOE	NS	A	A	1/Year
MW69	UCRS	Current	DOE	NS	A	A	1/Year
MW71	RGA	Current	DOE	NS	A	A	1/Year
MW72	RGA	Current	DOE	NS	A	A	1/Year
MW73	RGA	Current	DOE	NS	A	A	1/Year
MW75	UCRS	Current	DOE	NS	A	A	1/Year
MW76	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW77	RGA	Current	DOE	NS	A	A	1/Year
MW78	RGA	Current	DOE	NS	A	A	1/Year
MW79	RGA	Current	DOE	NS	A	A	1/Year
MW80	RGA	Current	DOE	NS	A	A	1/Year
MW81	RGA	Current	DOE	NS	A	A	1/Year
MW82	UCRS	Current	DOE	NS	A	A	1/Year
MW83	UCRS	Current	DOE	NS	A	A	1/Year
MW84	RGA	Current	DOE	404G	A, Q	A	3/Year
MW85	UCRS	Current	DOE	404G	A, Q	A	3/Year
MW86	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW87	RGA	Current	DOE	404G	A, Q	A	3/Year
MW88	UCRS	Current	DOE	404G	A, Q	A	3/Year
MW89	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW90A	RGA	Current	DOE	404G	A, Q	A	3/Year
MW91	UCRS	Current	DOE	404G	A, Q	A	3/Year
MW92	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW93	RGA	Current	DOE	404G	A, Q	A	3/Year
MW94	UCRS	Current	DOE	404G	A, Q	A	3/Year
MW95A	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW96	UCRS	Current	DOE	NS	A	A	1/Year
MW98	RGA	Current	DOE	GWESA	A, Q	A	3/Year
MW99	RGA	Current	TVA	GWESA,GC	A	A	1/Year
MW100	RGA	Current	TVA	GWESA,GC	A, Q	A	3/Year
MW102	McNairy	Current	DOE	NS	A	A	1/Year
MW103	RGA	Current	DOE	GWESBA	A	A	1/Year
MW106	RGA	Current	DOE	GWESBA, WPB-NW	A	A	1/Year
MW120	McNairy	Current	DOE	NS	A	A	1/Year
MW121	McNairy	Current	KDFWR	NS	A	A	1/Year
MW122	McNairy	Current	DOE	NS	A	A	1/Year
MW123	RGA	Current	KDFWR	NS	A	A	1/Year
MW124	RGA	Current	DOE	GWNESA	A	A	2/Year
MW125	RGA	Current	KDFWR	GWESBA, GC	A, Q	A	3/Year
MW126	RGA	Current	DOE	GWNESA	A	A	2/Year
MW132	RGA	Current	DOE	NS	A	A	1/Year
MW133	McNairy	Current	TVA	NS	A	A	1/Year
MW134	RGA	Current	KDFWR	GWESBA, GC, WPB-NW	A	A	1/Year
MW135	RGA	Current	TVA	GWESBA	A	A	2/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW137	RGA	Current	TVA	NS	A	A	1/Year
MW138	UCRS	Current	TVA	NS	A	A	1/Year
MW139	RGA	Current	DOE	GWESBA	A, Q	A	1/Year
MW144	RGA	Current	DOE	NS	A	A	1/Year
MW145	RGA	Current	DOE	GWNESA, GC	A	A	2/Year
MW146	RGA	Current	TVA	GWESBA, WPB-NW	A	A	1/Year
MW147	RGA	Current	TVA	NS	A	A	1/Year
MW148	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW149	UCRS	Current	Private - Residential	GWESBA	A	A	1/Year
MW150	RGA	Current	Private - Residential	GWESA	A	A	1/Year
MW151	Terrace Gravels	Current	Private - Residential	NS	A	A	1/Year
MW152	RGA	Current	TVA	GWESA, GC	A	A	2/Year
MW153	UCRS	Current	TVA	NS	A	A	1/Year
MW154	UCRS	Current	DOE	NS	A	A	1/Year
MW155	RGA	Current	DOE	400GQ	A	A	3/Year
MW156	RGA	Current	DOE	400GQ	A	A	3/Year
MW157	UCRS	Current	DOE	NS	A	A	1/Year
MW161	RGA	Current	DOE	GWESA, GC	A	A	2/Year
MW162	UCRS	Current	DOE	NS	A	A	1/Year
MW163	RGA	Current	DOE	GWESBA, GC	A	A	2/Year
MW164	UCRS	Current	DOE	NS	A	A	1/Year
MW165	RGA	Current	DOE	GWNWSA	A, Q	A	2/Year
MW166	UCRS	Current	DOE	NS	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW167	UCRS	Current	DOE	NS	A	A	1/Year
MW168	RGA	Current	DOE	GWESBA	A	A	1/Year
MW169	RGA	Current	DOE	GWESBA	A	A	1/Year
MW170	UCRS	Current	DOE	NS	A	A	1/Year
MW171	UCRS	Current	DOE	NS	A	A	1/Year
MW172	UCRS	Current	DOE	NS	A	A	1/Year
MW173	RGA	Current	DOE	GWNWSA	A, Q	A	2/Year
MW174	UCRS	Current	DOE	GWESBA	A	A	1/Year
MW175	RGA	Current	DOE	400GSA	A	A	2/Year
MW176	UCRS	Current	DOE	NS	A	A	1/Year
MW177	UCRS	Current	DOE	NS	A	A	1/Year
MW178	RGA	Current	DOE	NS	A	A	1/Year
MW180	UCRS	Current	DOE	NS	A	A	1/Year
MW182	UCRS	Current	DOE	GWESA	A	A	1/Year
MW185	RGA	Current	DOE	NS	A	A	1/Year
MW186	UCRS	Current	DOE	GWESBA	A	A	1/Year
MW187	UCRS	Current	DOE	GWESBA	A	A	1/Year
MW188	RGA	Current	DOE	GC	A	A	1/Year
MW189	UCRS	Current	DOE	NS	A	A	1/Year
MW190	UCRS	Current	DOE	NS	A	A	1/Year
MW191	RGA	Current	DOE	GWESA	A	A	1/Year
MW192	UCRS	Current	DOE	NS	A	A	1/Year
MW193	RGA	Current	DOE	GWESBA, GC	A, Q	A	1/Year
MW194	RGA	Current	KDFWR	GWESBA, WPB-NW	A	A	1/Year
MW196	Terrace Gravels	Current	DOE	NS	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW197	RGA	Current	DOE	GWESBA	A, Q	A	1/Year
MW198	UCRS	Current	DOE	NS	A	A	1/Year
MW199	RGA	Current	Private - Residential	GWESBA, WPB-NW	A	A	1/Year
MW20 (also R4)	RGA	Current	KDFWR	NA	A	A	Residential - Not Mowed
MW200	RGA	Current	KDFWR	GWESBA	A, Q	A	1/Year
MW201	RGA	Current	KDFWR	GWESBA, GC, WPB-NW	A	A	1/Year
MW202	RGA	Current	KDFWR	GWESBA, WPB-NW	A	A	1/Year
MW203	RGA	Current	DOE	GWESA	A	A	1/Year
MW204	UCRS	Current	DOE	NS	A	A	1/Year
MW205	RGA	Current	DOE	GWESBA	A	A	1/Year
MW206	RGA	Current	DOE	GWESA, GC	A	A	1/Year
MW207	UCRS	Current	DOE	NS	A	A	1/Year
MW209	UCRS	Current	DOE	NS	A	A	1/Year
MW210	UCRS	Current	DOE	NS	A	A	1/Year
MW211	UCRS	Current	DOE	NS	A	A	1/Year
MW212	UCRS	Current	DOE	NS	A	A	1/Year
MW213	UCRS	Current	DOE	NS	A	A	1/Year
MW214	UCRS	Current	DOE	NS	A	A	1/Year
MW215	UCRS	Current	DOE	NS	A	A	1/Year
MW216	UCRS	Current	DOE	NS	A	A	1/Year
MW217	UCRS	Current	DOE	NS	A	A	1/Year
MW218	UCRS	Current	DOE	NS	A	A	1/Year
MW219	UCRS	Current	DOE	NS	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW220	RGA	Current	DOE	SG	A, Q	A	3/Year
MW221	RGA	Current	DOE	SG	A, Q	A	3/Year
MW222	RGA	Current	DOE	SG	A, Q	A	3/Year
MW223	RGA	Current	DOE	SG	A, Q	A	3/Year
MW224	RGA	Current	DOE	SG	A, Q	A	3/Year
MW225	RGA	Current	DOE	NS	A, Q	A	3/Year
MW226	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW227	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW233	RGA	Current	KDFWR	GWESA	A	A	1/Year
MW236	RGA	Current	KDFWR	GWESA	A	A	1/Year
MW237	UCRS	Current	KDFWR	NS	A	A	1/Year
MW238	RGA	Current	KDFWR	NS	A	A	1/Year
MW239	McNairy	Current	KDFWR	NS	A	A	1/Year
MW240	RGA	Current	KDFWR	GWESA	A	A	1/Year
MW241A	RGA	Current	KDFWR	NS	A	A	1/Year
MW242	RGA	Current	DOE	GWNWQ, GC	A	A	3/Year
MW243	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW244	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW245	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW246	UCRS	Current	DOE	NS	A	A	1/Year
MW247	McNairy	Current	DOE	NS	A	A	1/Year
MW248	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW249	RGA	Current	DOE	NS	A	A	1/Year
MW250	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW252	RGA	Current	Private - Residential	GWESA	A	A	1/Year
MW253	RGA	Current	Private - Residential	GWESA	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW255	RGA	Current	DOE	GWNEQ	A	A	3/Year
MW256	RGA	Current	DOE	GWNEQ, GC	A	A	3/Year
MW257	RGA	Current	DOE	GC	A	A	1/Year
MW258	RGA	Current	DOE	GWNEQ, GC	A	A	3/Year
MW260	RGA	Current	DOE	GWESBA, GC	A	A	1/Year
MW261	RGA	Current	DOE	GWESA, GC	A	A	1/Year
MW262	RGA	Current	DOE	GWESBA	A	A	1/Year
MW283	RGA	Current	DOE	GWNESA	A	A	1/Year
MW284	RGA	Current	DOE	NS	A	A	1/Year
MW288	RGA	Current	DOE	GWNEQ, GC	A	A	3/Year
MW291	RGA	Current	DOE	GWNESA	A	A	2/Year
MW292	RGA	Current	DOE	GWNEQ, GC	A	A	3/Year
MW293A	RGA	Current	DOE	GWNESA	A	A	2/Year
MW294A	RGA	Current	DOE	NS	A	A	1/Year
MW300	Terrace Gravels	Current	DOE	KG	A	A	2/Year
MW301	Terrace Gravels	Current	DOE	KG	A	A	2/Year
MW302	Terrace Gravels	Current	DOE	KG	A	A	2/Year
MW304	Terrace Gravels	Current	DOE	NS	A	A	1/Year
MW305	Eocene	Current	DOE	GWESBA	A	A	1/Year
MW306	Eocene	Current	DOE	NS	A	A	1/Year
MW307	Eocene	Current	DOE	NS	A	A	1/Year
MW308	Eocene	Current	DOE	NS	A	A	1/Year
MW309	Terrace Gravels	Current	DOE	NS	A	A	1/Year
MW310	Terrace Gravels	Current	DOE	NS	A	A	1/Year
MW311	Terrace Gravels	Current	DOE	NS	A	A	1/Year
MW312	UCRS	Current	DOE	NS	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW313	UCRS	Current	DOE	NS	A	A	1/Year
MW314	UCRS	Current	DOE	NS	A	A	1/Year
MW315	UCRS	Current	DOE	NS	A	A	1/Year
MW316	UCRS	Current	DOE	NS	A	A	1/Year
MW317	Terrace Gravels	Current	DOE	NS	A	A	1/Year
MW318	Terrace Gravels	Current	DOE	NS	A	A	1/Year
MW325	RGA	Current	DOE	NS	A	A	1/Year
MW326	RGA	Current	DOE	NS	A	A	1/Year
MW327	RGA	Current	DOE	NS	A	A	1/Year
MW328	RGA	Current	DOE	GWESBA, GC	A	A	1/Year
MW329	RGA	Current	DOE	GWESBA, GC	A	A	1/Year
MW330	RGA	Current	DOE	NS	A	A	1/Year
MW333	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW337	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW338	RGA	Current	DOE	GWESBA, 404G	A, Q	A	3/Year
MW339	RGA	Current	DOE	GWNWSA, GC	A	A	2/Year
MW340	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW341	RGA	Current	DOE	GWESBA	A	A	3/Year
MW342	RGA	Current	DOE	400GSA	A	A	2/Year
MW343	RGA	Current	DOE	GWESBA, 400GSA, GC	A	A	2/Year
MW344	Terrace Gravels	Current	DOE	KG	A	A	1/Year
MW345	Rubble Zone	Current	DOE	GWESA	A	A	2/Year
MW346	Rubble Zone	Current	DOE	NS	A	A	1/Year
MW347	Rubble Zone	Current	DOE	NS	A	A	1/Year
MW353	RGA	Current	DOE	NS	A, Q	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW354	RGA	Current	DOE	GWESBA	A	A	1/Year
MW355	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW356	RGA	Current	DOE	GWESBA	A	A	1/Year
MW357	URGA	Current	DOE	UG	A, Q	A	3/Year
MW358	LRGA	Current	DOE	UG	A, Q	A	3/Year
MW359	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW360	URGA	Current	DOE	UG	A, Q	A	3/Year
MW361	LRGA	Current	DOE	UG	A, Q	A	3/Year
MW362	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW363	URGA	Current	DOE	UG	A, Q	A	3/Year
MW364	LRGA	Current	DOE	UG	A, Q	A	3/Year
MW365	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW366	URGA	Current	DOE	UG	A, Q	A	3/Year
MW367	LRGA	Current	DOE	UG	A, Q	A	3/Year
MW368	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW369	URGA	Current	DOE	UG/SG	A, Q	A	3/Year
MW370	LRGA	Current	DOE	UG/SG	A, Q	A	3/Year
MW371	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW372	URGA	Current	DOE	UG/SG	A, Q	A	3/Year
MW373	LRGA	Current	DOE	UG/SG	A, Q	A	3/Year
MW374	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW375	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW376	LRGA	Current	DOE	UG	A, Q	A	3/Year
MW377	UCRS	Current	DOE	UG	A, Q	A	3/Year
MW380	RGA	Current	KDFWR	NS	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW381	RGA	Current	KDFWR	GC	A	A	1/Year
MW384	URGA	Current	DOE	SG	A, Q	A	3/Year
MW385	LRGA	Current	DOE	SG	A, Q	A	3/Year
MW386	UCRS	Current	DOE	SG	A, Q	A	3/Year
MW387	URGA	Current	DOE	SG	A, Q	A	3/Year
MW388	LRGA	Current	DOE	SG	A, Q	A	3/Year
MW389	UCRS	Current	DOE	SG	A, Q	A	3/Year
MW390	UCRS	Current	DOE	SG	A, Q	A	3/Year
MW391	URGA	Current	DOE	SG	A, Q	A	3/Year
MW392	LRGA	Current	DOE	SG	A, Q	A	3/Year
MW393	UCRS	Current	DOE	SG	A, Q	A	3/Year
MW394	URGA	Current	DOE	SG	A, Q	A	3/Year
MW395	LRGA	Current	DOE	SG	A, Q	A	3/Year
MW396	UCRS	Current	DOE	SG	A, Q	A	3/Year
MW397	LRGA	Current	DOE	SG	A, Q	A	3/Year
MW401	RGA	Current	DOE	NS	A	A	1/Year
MW402	RGA	Current	DOE	NS	A	A	1/Year
MW403	RGA	Current	DOE	GWESBA, GC	A	A	1/Year
MW404	RGA	Current	DOE	GWESBA, GC	A	A	1/Year
MW405	RGA	Current	DOE	GWESBA, 400GQ	A	A	3/Year
MW406	RGA	Current	DOE	GWESBA, 400GQ	A	A	3/Year
MW407	RGA	Current	DOE	GWESBA, 400GQ	A	A	3/Year
MW408	RGA	Current	DOE	GWESBA, 400GQ	A	A	3/Year
MW409	RGA	Current	Private - Residential	GWNESA, GC	A	A	2/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW410	RGA	Current	Private - Residential	GWNESA	A	A	2/Year
MW411	RGA	Current	Private - Residential	GWNESA	A	A	2/Year
MW414	RGA	Current	DOE	GWESBA, GC	A, Q	A	3/Year
MW415	RGA	Current	DOE	GWESBA	A, Q	A	3/Year
MW416	RGA	Current	DOE	GWESBA	A, Q	A	3/Year
MW417	RGA	Current	DOE	GWESBA	A	A	1/Year
MW418	RGA	Current	DOE	GWESA	A, Q	A	3/Year
MW419	RGA	Current	DOE	GWESA	A, Q	A	3/Year
MW420	URGA	Current	DOE	404G	A, Q	A	3/Year
MW421	RGA	Current	DOE	400GSA	A	A	2/Year
MW422	RGA	Current	DOE	400GSA	A	A	2/Year
MW423	RGA	Current	DOE	400GSA	A	A	2/Year
MW424	RGA	Current	DOE	400GSA	A	A	2/Year
MW425	RGA	Current	DOE	400GSA	A	A	2/Year
MW426	RGA	Current	DOE	GWESBA, GC, WPB-NW	A	A	1/Year
MW427	RGA	Current	DOE	GWESBA, GC, WPB-NW	A	A	1/Year
MW428	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW429 A	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW430	RGA	Current	DOE	GWNWSA	A	A	2/Year
MW431	RGA	Current	DOE	GWESBA	A	A	1/Year
MW432	RGA	Current	DOE	GWESBA, WPB-NW	A	A	1/Year
MW433	RGA	Current	TVA	GWESBA, WPB-NW	A	A	1/Year
MW435	RGA	Current	TVA	GWESBA, WPB-NW	A	A	1/Year
MW439	RGA	Current	TVA	GWESBA, GC	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW440	RGA	Current	TVA	GWESBA	A	A	1/Year
MW441	RGA	Current	TVA	GWESBA, GC, WPB-NW	A	A	1/Year
MW442	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW443	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW444	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW445	RGA	Current	TVA	GWESBA	A	A	1/Year
MW447	RGA	Current	TVA	GWESBA, GC	A	A	1/Year
MW448	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW450	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW451	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW452	RGA	Current	KDFWR	GWESBA, WPB-NW	A	A	1/Year
MW453	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW454	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW455	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW456	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW457	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW458	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW459	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW460	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW461	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW462	RGA	Current	DOE	GWNWQ	A	A	3/Year
MW463	RGA	Current	TVA	GWESBA	A	A	1/Year
MW464	RGA	Current	TVA	GWESBA	A	A	1/Year
MW465	RGA	Current	Private - Residential	GWESA	A	A	2/Year
MW466	RGA	Current	Private - Residential	GWESA	A	A	2/Year
MW467	RGA	Current	Private - Residential	GWESBA	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW468	RGA	Current	Private - Residential	GWESBA, GC	A	A	1/Year
MW469	RGA	Current	Private - Residential	GWESA	A	A	2/Year
MW470	RGA	Current	Private - Residential	GWESA	A	A	2/Year
MW471	RGA	Current	Private - Residential	GWESA	A	A	2/Year
MW472	RGA	Current	Private - Residential	GWESA	A	A	2/Year
MW473	RGA	Current	Private - Residential	GWESBA, GC	A	A	1/Year
MW474	RGA	Current	Private - Residential	GWESBA, GC	A	A	1/Year
MW475	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW476	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW477	RGA	Current	TVA	GWESBA	A	A	1/Year
MW478	RGA	Current	DOE	GWESBA	A	A	1/Year
MW479	RGA	Current	DOE	GWESBA	A	A	1/Year
MW480	RGA	Current	DOE	GWESBA	A	A	1/Year
MW481	RGA	Current	DOE	GWESBA	A	A	1/Year
MW482	RGA	Current	DOE	GWESBA	A	A	1/Year
MW483	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW484	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW485	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW486	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW487	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW488	RGA	Current	Private - Residential	GWESBA	A	A	1/Year
MW489	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW490	RGA	Current	KDFWR	GWESBA	A	A	1/Year
MW491	RGA	Current	DOE	GWESBA	A	A	1/Year
MW492	RGA	Current	DOE	GWESBA	A	A	1/Year
MW493	RGA	Current	DOE	GWESBA	A	A	1/Year
MW494	RGA	Current	DOE	GWESBA	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
MW495	RGA	Current	DOE	GWESBA	A	A	1/Year
MW496	RGA	Current	DOE	GWESBA	A	A	1/Year
MW497	URGA	Current	DOE	GWNWQ	A	A	3/Year
MW498	LRGA	Current	DOE	GWNWQ	A	A	3/Year
MW499	URGA	Current	DOE	GWNWQ	A	A	3/Year
MW500	LRGA	Current	DOE	GWNWQ	A	A	3/Year
MW501	URGA	Current	DOE	GWNWQ	A	A	3/Year
MW502	LRGA	Current	DOE	GWNWQ	A	A	3/Year
MW503	URGA	Current	DOE	GWNWQ	A	A	3/Year
MW504	LRGA	Current	DOE	GWNWQ	A	A	3/Year
MW505	RGA	Current	DOE	400GQ	A	A	3/Year
MW506	RGA	Current	DOE	400GQ	A	A	3/Year
MW507	RGA	Current	DOE	400GQ	A	A	3/Year
PZ-1 (WAG 27)	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ101	Terrace	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ107	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ109	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ110	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ111	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ112	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ113	RGA	Current	DOE/KDFWR/TVA	NS	A	A-TS	1/Year
PZ114	McNairy	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ115	McNairy	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ116	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ117	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ118	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
PZ-2 (WAG 27)	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ251	UCRS	Current	DOE	NS	A	A	1/Year
PZ287	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ289	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ290	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ-3 (WAG 27)	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ334	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ335	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ336	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ348	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ349	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ350	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ351	RGA	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ-4 (WAG 27)	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ-5 (WAG 27)	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ5G	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ5S	Unknown	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
PZ74	UCRS	Current	DOE/KDFWR/TVA	NS	A	A	1/Year
R114	Unknown	Current	Private - Residential	WPB-NE	A	Outside Water Policy	Residential - Not Mowed
R12	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R13	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
R14	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R19	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R2	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R20	RGA	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R21	Unknown	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R245	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R26	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R294	RGA	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R302	RGA	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R384	RGA	Current	Private - Residential	WPB-NE	A	Outside Water Policy	Residential - Not Mowed
R387	RGA	Current	Private - Residential	WPB-NE	A	Outside Water Policy	Residential - Not Mowed
R392	RGA	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R424	RGA	Current	Private - Residential	CARB	NA	Outside Water Policy	Residential - Not Mowed

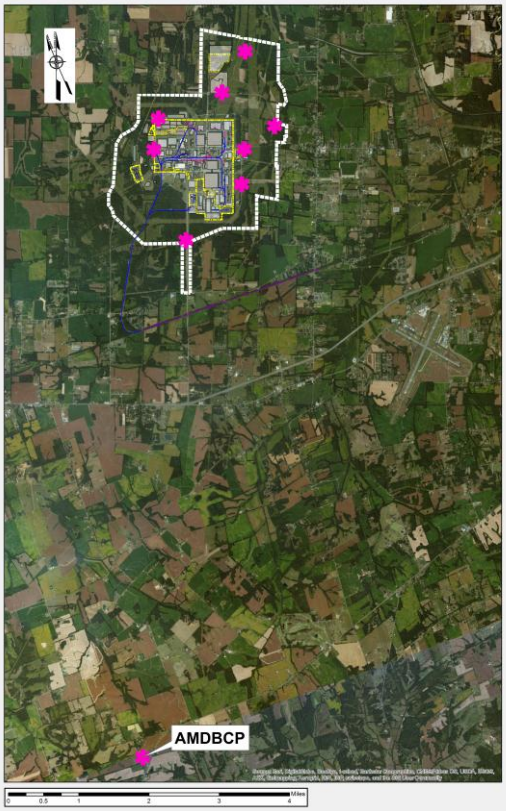
Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
R53	Unknown	Current	Private - Residential	WPB-NW	A	FYR	Residential - Not Mowed
R83	Unknown	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R9	Unknown	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R90	Unknown	Current	Private - Residential	WPB-NE	A	Outside Water Policy	Residential - Not Mowed
W108	RGA	Current	DOE	NS	A	A	1/Year

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5d Air Monitor Location Map

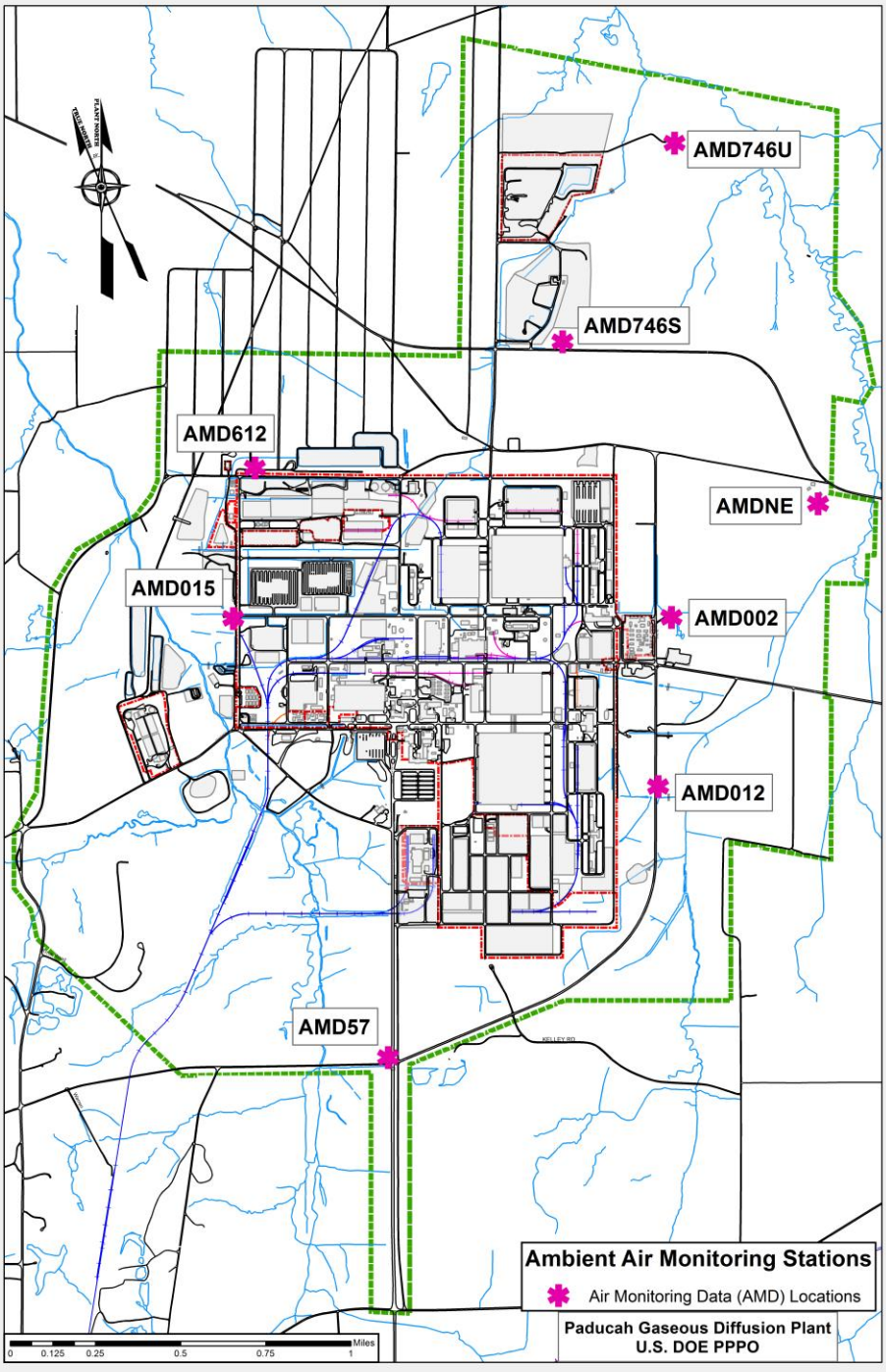
SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5d Air Monitor Location Map



BACKGROUND LOCATION – AMDBCP

Northwest of
Bethel Cumberland Presbyterian Church
12304 Wickliffe Rd, Kevil, KY
(near the SE corner of the cemetery)
coordinates: 37°00'05.56"N 88°52'36.43" W



SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5.5.6 List of Shrubs, Hedges and Trees in Zone 1

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5.5.6 List of Shrubs, Hedges and Trees in Zone 1

Location	Type Bush, Tree, or Shrub	Quantity	Approximate Size
C-100 South Side	Ornamental Cherry Tree	19	3” diameter trunk
C-100 East Side	Bradford Pear Tree	1	6” diameter trunk
C-100 East Side	Juniper Bush	4	4’ diameter (drip line)
C-100 East Side	Maple Tree	1	3” diameter trunk
C-810 Parking Lot	Juniper Bush	2	10’ diameter (drip line)
C-811 Parking Lot	Juniper Bush	1	10’ diameter (drip line)
C-811 Parking Lot	Arborvitae Bush	1	18” diameter trunk
C-103 Parking Lot	Creeping Juniper Bush	2	4’ diameter (drip line)
C-103 Parking Lot	Dwarf Spruce Tree	1	4’ tall
C-103 Parking Lot	Holly Bush	2	4’ tall
C-103 SW Corner	Ornamental Pear Tree	1	6” diameter trunk
C-710 South Side	Willow Oak Tree	1	24” diameter trunk
C-710 West Side	Willow Oak Tree	2	24” diameter trunk

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6a Listing of Roads

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6a LISTING OF ROADS

Approximate Length (FEET)	Approximate Length (MILES)	Type
63,377	12.00	Aggregate
98,550	18.66	Asphalt
634	0.12	Asphalt & Aggregate
69,317	13.13	Concrete
89,284	16.71	Gravel
321,161.60	**60.62**	**ROADS**

Name	Location on PGDP Site Map and Description	Approximate Length (FEET)	Approximate Length (MILES)	Type
Unnamed	C-743 Area	136	0.03	Aggregate
Monitoring Well KPDES 011	K-10	158	0.03	Aggregate
Old Firing Range	D-10	211	0.04	Aggregate
Unnamed	C-225 Post 48 Area	259	0.05	Aggregate
KPDES 015	D-9 to J-9	264	0.05	Aggregate
Access Little Bayou Creek	Off McCaw Road	528	0.10	Aggregate
Big Bayou Creek	Off West Perimeter Road	528	0.10	Aggregate
Monitoring Well	North, 600' off Ogden Landing Road, on Nace Road (last road before Big Bayou Creek crossing)	739	0.14	Aggregate
KPDES 001	D-8	792	0.15	Aggregate
21st Street	I-7-8	1,178	0.22	Aggregate
24th Street	J-7-8	1,190	0.23	Aggregate
Unnamed	C-637 Area	1,192	0.23	Aggregate
Unnamed	C-633 Area	1,227	0.23	Aggregate
Unnamed	C-746 Scrapyard Area	1,352	0.26	Aggregate
Unnamed	C-764 Parking Lot Aisles & Perim.	1,483	0.28	Aggregate
Unnamed	C-412 Area	1,494	0.28	Aggregate
Monitoring Well KPDES 010	K-10	1,531	0.29	Aggregate
Unnamed	C-746-D Area	2,046	0.39	Aggregate
Unnamed	C-745-A Cyl. Yard Aisles & Perim.	2,067	0.39	Aggregate
Unnamed	C-745 DUF 6 Area Cyl Yard Aisles	2,197	0.42	Aggregate
Northeast Pump and Treat	Off Ogden Landing Road	2,429	0.46	Aggregate
Road Around C-746-K Landfill	H-3, H-4	2,429	0.46	Aggregate
Unnamed	C-755 Area	2,436	0.46	Aggregate
Unnamed	C-745-B Cyl. Yard Aisles & Perim.	3,358	0.64	Aggregate
Unnamed	C-745-H Cyl Yard Aisles & Perim.	4,890	0.93	Aggregate
Lagoon Road	Around C-616-E to C-612 Pump and Treat	5,280	1.00	Aggregate
Unnamed	C-745-C Cyl. Yard Aisles & Perim.	6,442	1.22	Aggregate
Unnamed	C-746 N & S Warehouse Area	6,728	1.27	Aggregate
Unnamed	C-611 Area Exterior Perimeter	8,812	1.67	Aggregate
	Total	**63,377**	**12.00**	**Aggregate**

Name	Location on PGDP Site Map and Description	Approximate Length (FEET)	Approximate Length (MILES)	Type
Arkansas	J-13	313	0.06	Asphalt
Nebraska	I-11 to J-11	440	0.08	Asphalt
Oklahoma	I-10 to J-10	440	0.08	Asphalt
Pennsylvania	J-10	440	0.08	Asphalt
Missouri	J-11	541	0.10	Asphalt
Utah	H-9	607	0.11	Asphalt
15th Street	H-7	628	0.12	Asphalt
16th Street	I-9	862	0.16	Asphalt
11th Street	G-7-8	1,031	0.20	Asphalt
21st Street	I-11-12	1,219	0.23	Asphalt
Wyoming	H-7 to I-7	1,380	0.26	Asphalt
C-611 Water Treatment Plant	C-10 to C-11	1,385	0.26	Asphalt
Unnamed	C-611 Area	1,419	0.27	Asphalt
4th Street	E-9-10	1,656	0.31	Asphalt
6th Street	F-9-10	1,656	0.31	Asphalt
Warren Road	Off South Acid Road, 750' east of Rice Springs Road	1,901	0.36	Asphalt
10th Street	G-7-9	2,125	0.40	Asphalt
Texas	D-8 to G-8	2,451	0.46	Asphalt
Curlee Road	D-11 to F-12	2,948	0.56	Asphalt
22nd Street	J-10-12	3,103	0.59	Asphalt
Patrol Road # 5	G-11-13	3,106	0.59	Asphalt
DUF6	Drive ways & Parking Lot Aisles	3,325	0.63	Asphalt
Patrol Road # 4	G-13 to J-13	3,580	0.68	Asphalt
Patrol Road # 1	D-7-10	3,819	0.72	Asphalt
Unnamed	C-811 Parking Lot Aisles & Perim.	4,375	0.83	Asphalt
West Perimeter Road	West of Patrol Road 1, exterior to Plant	4,752	0.90	Asphalt
Unnamed	C-810 Parking Lot Aisles & Perim.	5,640	1.07	Asphalt
Patrol Road # 2	D-6 to J-6	5,807	1.10	Asphalt
Water Works Road	A-12 to F-12	6,026	1.14	Asphalt
Patrol Road # 3	J-7-13	6,960	1.32	Asphalt
Entrance Road	G-11-16	8,781	1.66	Asphalt
Dyke Road	G-15 to K-9	15,834	3.00	Asphalt
	Total	**98,550**	**18.66**	**Asphalt**

Name	Location on PGDP Site Map and Description	Approximate Length (FEET)	Approximate Length (MILES)	Type
Big Bayou Creek Sampling Path	South, off Ogden Landing Road just east of Big Bayou Creek crossing	634	0.12	Asphalt & Aggregate
	Total	**634**	**0.12**	**Asphalt & Aggregate**

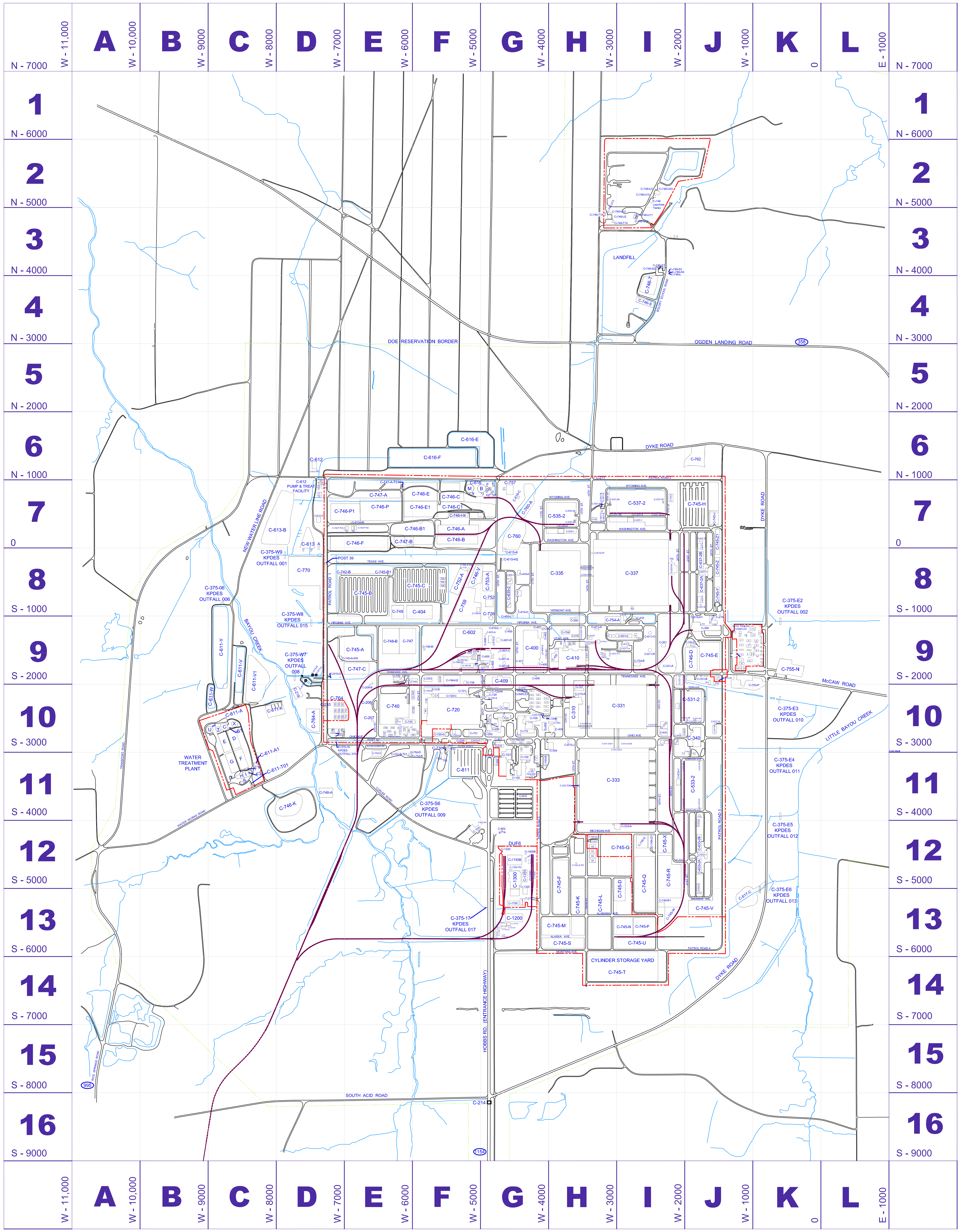
Name	Location on PGDP Site Map and Description	Approximate Length (FEET)	Approximate Length (MILES)	Type
Kentucky	J-13	236	0.04	Concrete
Unnamed	C-750 Area	422	0.08	Concrete
Unnamed	C-710 Area	472	0.09	Concrete
Unnamed	C-200 Area	587	0.11	Concrete
Unnamed	C-360 Area	799	0.15	Concrete
11th Street	G-9	901	0.17	Concrete
8th Street	G-9-10	938	0.18	Concrete
Montana	H-13 to I-13	1,034	0.20	Concrete
Unnamed	C-720 Area	1,146	0.22	Concrete
20th Street	I-7-8	1,189	0.23	Concrete
13th Street	H-11	1,390	0.26	Concrete
Michigan	H-12 to I-12	1,420	0.27	Concrete
10th Street	G-9-10	1,633	0.31	Concrete
Alaska	H-13 to I-13	1,727	0.33	Concrete
Unnamed	C-100 Area	1,746	0.33	Concrete
12th Street	H-10	1,826	0.35	Concrete
Washington	H-7 to J-7	2,644	0.50	Concrete
Alabama	H-13 to J-13	2,668	0.51	Concrete
18th Street	I-10-12	2,757	0.52	Concrete
Vermont	G-8 to J-8	2,818	0.53	Concrete
Unnamed	C-745-Q Cyl Yard Aisles & Perim.	3,659	0.69	Concrete
Virginia	D-9 to J-9	4,831	0.91	Concrete
Tennessee	E-9 to J-9	5,060	0.96	Concrete
16th Street	I-10 to I-13	5,423	1.03	Concrete
Ohio	D-10 to I-10	5,450	1.03	Concrete
14th Street	H-7-13	6,055	1.15	Concrete
Unnamed	C-745 DUF 6 Area Cyl Yard Aisles	10,486	1.99	Concrete
	Total	**69,317**	**13.13**	**Concrete**

Name	Location on PGDP Site Map and Description	Approximate Length (FEET)	Approximate Length (MILES)	Type
Clinton Road	1,069' West of South Acid/Rice Springs Road intersection	686	0.13	Gravel
Hickman Road	600' West of South Acid/Rice Springs Road intersection	686	0.13	Gravel
Boldry School Road	Monitoring well access approximately 225' southwest of the Anderson-Boldry Road Intersection	898	0.17	Gravel
Cumberland Road	Between Clinton and Hickman Roads, west of Rice Springs Road	1,320	0.25	Gravel
Trestle Road Off of Curlee Road	E-11 to E-12	1,373	0.26	Gravel
Monitoring Well Road	Off Anderson Road, on TVA end, just past RR	2,112	0.40	Gravel
Unnamed Road behind New Sanitary Landfill	Located North, and outside, of C-746-U Landfill	3,379	0.64	Gravel
Knox Road	2,398' North, and east, of South Acid/Rice Springs Road intersection	4,752	0.90	Gravel
Unnamed Road off Kelly Road	Connects Dyke Road to Kelly Road, south of the plant	4,858	0.92	Gravel
Anderson Road	Between Water Line Road and Ogden Landing Road *(Note: .6 mile on east end is no longer maintained)*	5,280	1.00	Gravel
South Acid Road	D-16 to G-16	7,234	1.37	Gravel
Old Access Road	Road east and parallel to Access Road	7,392	1.40	Gravel
#1 Raw Water Line Road	North Side of Ogden Landing Road (Hwy 358), Joins #2 Raw Water Line Road	7,920	1.50	Gravel
C-611 Water Treatment Plant	Exterior perimeter roads and lagoons	8,606	1.43	Gravel
Kelley Road	East of Plant between McCaw and Woodville Road	10,666	2.02	Gravel
#2 Raw Water Line Road	North end of C-611-Y Recycle Lagoon to Odgen Landing Rd. (Hwy 358), to exposed plant water lines near TVA.	17,107	3.24	Gravel
Landfill Road	Road from Ogden Landing Road to landfill	5,016	0.95	Gravel
	Total	**89,284**	**16.71**	**Gravel**

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6b PGDP Site Map

PADUCAH GASEOUS DIFFUSION PLANT SITE MAP



FACILTY NUMBER	DESCRIPTION	LOCATION
C-100	ADMINISTRATION BUILDING	G-11
C-100-B	PARKING LOT	G-11
C-100-T04	OFFICE TRAILER	G-11
C-100-T05	OFFICE TRAILER	G-11
C-100-T06	OFFICE TRAILER	G-11
C-100-T08	FOCI OFFICE & CHANGE HOUSE	G-11
C-101	CAFETERIA	G-11
C-102	HOSPITAL	G-11
C-102-T01	TEMPORARY OFFICE	G-10
C-102-T02	TEMPORARY OFFICE	G-10
C-102-T03	TEMPORARY OFFICE	G-10
C-102-T04	TEMPORARY OFFICE	G-10
C-102-T05	TEMPORARY OFFICE	G-10
C-102-T06	TEMPORARY OFFICE	G-10
C-102-T07	OFFICE TRAILER	G-11
C-102-T08	OFFICE TRAILER	G-11
C-102-T09	OFFICE TRAILER	G-11
C-103	DOE SITE OFFICE	F-12
C-200	GUARD & FIRE HEADQUARTERS	G-10
C-200-A	C-200 ANNEX	G-10
C-200-B	STORAGE TRAILER	G-10
C-201	EMERGENCY EQUIPMENT STORAGE BUILDING	G-10
C-201-A	EMERGENCY EQUIPMENT STORAGE BUILDING	G-10
C-201-B	EMERGENCY EQUIPMENT STORAGE BUILDING	G-10
C-201-C	EMERGENCY EQUIPMENT STORAGE BUILDING	G-10
C-201-D	EMERGENCY EQUIPMENT STORAGE BUILDING	G-10
C-202	GUARD TRAINING BUILDING	G-10
C-203	EMERGENCY VEHICLE SHELTER	G-10
C-204	DISINTEGRATOR BUILDING	G-10
C-205	RESPIRATOR ISSUE BUILDING	G-10
C-206	PUMPER DRAFTING PIT	E-10
C-206-B	SMOKE TRAIN FACIL. - CONDEMNED	E-10
C-207	FIRE TRAINING	E-10
C-212	OFFICE BUILDING	G-10
C-212-A	GUARD UNION OFFICE	G-10
C-214	POST 57	J-9
C-215	PORTALS 18 & 19	G-10
C-216	POST 47	J-8
C-217	POST 43	H-6
C-218	FIRING RANGE	D-10
C-224	MAIN GUARD POST 15	G-11
C-225	POST 48	J-9
C-229	POST 229	F-10
C-233	POST 233 GUARD SHACK	D-10
C-300	CENTRAL CONTROL BUILDING	H-10
C-301	FIRE TRAINING BUILDING	I-9
C-302	CASCADE OPERATIONS DATA CENTER	G-10
C-303	SUPERVISORY CONTROL & DATA ACQUISITION SYSTEM	H-10
C-304	TRAINING & CASCADE OFFICE BUILDING	H-10
C-310	PURGE & PRODUCT BUILDING	H-10
C-310-A	PRODUCT WITHDRAWAL BUILDING	H-10
C-315	SURGE & WASTE BUILDING	I-10
C-320	COMMUNICATION BUILDING	H-10
C-331	PROCESS BUILDING	I-10
C-331-A	CONTRACTOR STAGING AREA, WEST	I-9
C-331-B	CONTRACTOR STAGING AREA, EAST	J-9
C-331-C	PARKING LOT	I-9
C-331-T02	OFFICE / BREAKROOM	J-9
C-331-T03	OFFICE / BREAKROOM	J-9
C-331-T07	INSTRUMENT MECHANIC TRAILER	J-9
C-333	PROCESS BUILDING	H-11
C-333-A	FEED VAPORIZATION FACILITY	H-12
C-335	PROCESS BUILDING	H-8
C-337	PROCESS BUILDING	I-8
C-337-A	FEED VAPORIZATION FACILITY	I-8
C-340	METALS PLANT COMPLEX (SLAB ONLY)	J-10
C-340-D	MAGNESIUM STORAGE BUILDING	I-10
C-340-E	EMERGENCY POWER FOR CRITICAL ALARMS	I-10
C-342	AMMONIA (NH3) DISSOCIATOR & STORAGE FACILITY (SLAB ONLY)	I-10
C-342-A	AMMONIA (NH3) DISSOCIATOR & TANK PAD (SLAB ONLY)	I-10
C-350	DRYING AGENT STORAGE BUILDING	H-9
C-360	TOLL TRANSFER & SAMPLING BUILDING	J-9
C-360-A	TOLL TRANSFER & SAMPLING BUILDING ANNEX	J-9
C-375-W9	OIL CONTROL DAM (KPDES OUTFALL 001)	D-8
C-375-E2	OIL CONTROL DAM (KPDES OUTFALL 002)	K-9
C-375-06	C-611 No. 2 LAGOON (KPDES OUTFALL 006)	C-8
C-375-W7	OIL CONTROL DAM (KPDES OUTFALL 008)	D-9
C-375-S6	OIL CONTROL DAM (KPDES OUTFALL 009)	F-11
C-375-E3	OIL CONTROL DAM (KPDES OUTFALL 010)	K-10
C-375-E4	OIL CONTROL DAM (KPDES OUTFALL 011)	K-10
C-375-E5	OIL CONTROL DAM (KPDES OUTFALL 012)	K-11
C-375-E6	PLANT SURFACE RUNOFF (KPDES OUTFALL 013)	K-13
C-375-W8	OIL CONTROL DAM (KPDES OUTFALL 015)	D-9
C-375-16	PLANT SURFACE RUNOFF (KPDES OUTFALL 016)	D-10
C-400	CLEANING BUILDING	G-9
C-400-A	EMERGENCY POWER FOR CRITICAL ALARMS	G-9
C-400-L	STORM WATER LIFT STATION	G-8
C-401	NEUTRALIZING PIT	G-9
C-402	LIME HOUSE (SLAB ONLY)	G-9
C-403	NEUTRALIZING PIT	G-9
C-404	RADIOACTIVE WASTE BURIAL AREA	F-8
C-405	CONTAMINATED ITEMS INCINERATOR	G-9
C-406	TRICHLOROETHYLENE STORAGE TANK	G-9
C-407	NITRIC ACID STORAGE TANK	G-9
C-409	STABILZATION BUILDING	G-9
C-410	FEED PLANT	H-9
C-410-A	HYDROGEN HOLDER	H-9
C-410-B	SLUDGE LAGOON	H-9
C-410-C	HF NEUTRALIZATION BUILDING	H-9
C-410-D	F2 STORAGE BUILDING	H-9
C-410-E	HF EMERGENCY HOLDING POND	H-9
C-410-F	HF STORAGE BUILDING (NORTH)	H-9
C-410-G	HF STORAGE BUILDING (CENTER)	H-9
C-410-H	HF STORAGE BUILDING (SOUTH)	H-9
C-410-I	ASH RECEIVER SHELTER	H-9
C-410-J	HF STORAGE BUILDING (EAST)	H-9
C-410-K	FLUORINE FACILITY	H-9
C-411	CELL MAINTENANCE BUILDING (SLAB ONLY)	H-9
C-411-A	STAGING AREA	H-9
C-412	D&D/DMSA TRAILER COMPLEX	G-10
C-412-T01	SECURITY OFFICE TRAILER	G-10
C-412-T02	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T03	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T04	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T05	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T06	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T07	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T08	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T09	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T10	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T11A	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T12	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T13	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-412-T14	D&D/DMSA SUPPORT OFFICE TRAILER	G-10
C-415	FEED PLANT STORAGE BUILDING	H-9
C-416	EQUIPMENT CLEANING FACILITY	I-9
C-417	LAYDOWN AREA	I-9
C-420	GREENSALT PLANT	H-9
C-531-1	SWITCH HOUSE	I-10
C-531-2	SWITCHYARD	I-10
C-531-3A	FIRE VALVE HOUSE NO. 1	I-10
C-531-3B	FIRE VALVE HOUSE NO. 2	I-10
C-532	RELAY HOUSE	I-10
C-533-1	SWITCH HOUSE	I-11
C-533-2	SWITCHYARD	I-11
C-533-3A	FIRE VALVE HOUSE NO. 1	I-11
C-533-3B	FIRE VALVE HOUSE NO. 2	I-11
C-533-3C	FIRE VALVE HOUSE NO. 3	I-11
C-533-3D	FIRE VALVE HOUSE NO. 4	I-11
C-535-1	SWITCH HOUSE	H-7
C-535-2	SWITCHYARD	H-7
C-535-3A	FIRE VALVE HOUSE NO. 1	H-7
C-535-3B	FIRE VALVE HOUSE NO. 2	H-7
C-535-4	TEST SHOP	H-7
C-536	RELAY HOUSE	H-7
C-537-1	SWITCH HOUSE	I-7
C-537-2	SWITCHYARD	I-7
C-537-3A	FIRE VALVE HOUSE NO. 1	H-7
C-537-3B	FIRE VALVE HOUSE NO. 2	H-7
C-537-3C	FIRE VALVE HOUSE NO. 3	I-7
C-537-3D	FIRE VALVE HOUSE NO. 4	I-7
C-537-4	TEST SHOP	I-7

FACILTY NUMBER	DESCRIPTION	LOCATION
C-540-A	OIL PUMP HOUSE	J-11
C-540-B	OIL STORAGE TANK (NORTHWEST)	I-11
C-540-C	OIL STORAGE TANK (SOUTHWEST)	I-11
C-540-D	OIL STORAGE TANK (NORTHEAST)	J-11
C-540-E	OIL STORAGE TANK (SOUTHEAST)	J-11
C-541-A	OIL PUMP HOUSE	H-7
C-541-B	OIL STORAGE TANK (NORTHWEST)	H-7
C-541-C	OIL STORAGE TANK (SOUTHWEST)	H-7
C-541-D	OIL STORAGE TANK (NORTHEAST)	H-7
C-541-E	OIL STORAGE TANK (SOUTHEAST)	H-7
C-600	STEAM PLANT	G-9
C-601	NITROGEN GENERATOR BUILDING ADDITION	F-9
C-601-A	STEAM PLANT FUEL -STORAGE TANK (CENTER)	G-9
C-601-B	STEAM PLANT FUEL -STORAGE TANK (SOUTH)	G-9
C-601-C	STEAM PLANT FUEL OIL PUMP HOUSE	G-9
C-601-D	STEAM PLANT FUEL OIL STORAGE TANK (NORTH)	G-9
C-602	COAL STORAGE YARD	F-9
C-603-A	NITROGEN MANIFOLD BUILDING	G-9
C-603-B	NITROGEN STORAGE TANK	F-9
C-603-C	NITROGEN RECEIVER (NORTH)	F-9
C-603-D	NITROGEN RECEIVER (SOUTH)	F-9
C-603-E	NITROGEN STORAGE TANK (EAST)	F-9
C-603-F	NITROGEN STORAGE TANK (CENTER)	F-9
C-603-G	NITROGEN STORAGE TANK (WEST)	F-9
C-604	UTILITIES MAINTENANCE BUILDING	G-9
C-605	SUBSTATION BUILDING	G-9
C-606	COAL CRUSHER BUILDING	G-9
C-607	EMERGENCY AIR COMPRESSOR GENERATOR BUILDING	F-9
C-611-A	BUILDING & SHOP STORAGE	C-10
C-611-A1	ACTIVATED CARBON STORAGE BUILDING	C-11
C-611-B1	POLYMER FEED SYSTEM ENCLOSURE	C-10
C-611-C	FLOCCULATOR BASIN	C-10
C-611-D	SETTLING BASIN (NORTHEAST)	C-10
C-611-E	SETTLING BASIN (NORTHWEST)	C-10
C-611-F	SETTLING BASIN (SOUTHEAST)	C-10
C-611-F1	SECONDARY COAGULATION BASIN	C-11
C-611-F2	CHEMICAL FEED BUILDING FOR C-611-F1	C-11
C-611-G	SETTLING BASIN (SOUTHWEST)	C-11
C-611-H	FILTER BUILDING & PUMP STATION	C-11
C-611-I	CLEAR WELL	C-11
C-611-J	PUMP HOUSE (SETTLED WATER)	C-11
C-611-K	LAGOON #4	C-10
C-611-O	SANITARY WATER STORAGE TANK	I-9
C-611-P	PUMP HOUSE	G-9
C-611-R	WATER TANK-RCW FIRE WATER (HIGH PRESS.)	I-9
C-611-S	CORROSION INHIBITOR BUILDING	C-11
C-611-T	BOOSTER PUMP STATION (PLANT WATER)	F-10
C-611-T01	INSTRUMENT MAINTENANCE TRAILER	C-11
C-611-U	SOFTENING FACILITY (WEST)	C-10
C-611-V	SLUDGE LAGOON	C-9
C-611-V1	SLUDGE LAGOON	C-9
C-611-W	SLUDGE LAGOON (ABANDONED)	C-10
C-611-X	SOFTENING FACILITY (EAST)	C-10
C-611-Y	RECYCLE LAGOON	C-9
C-611-Z	FLOCCULATOR BASIN	C-10
C-612	PILOT PUMP AND TREAT	D-7
C-612-A	PUMP AND TREAT DECON PAD	D-7
C-612-T01	PUMP AND TREAT OFFICE	D-7
C-612-T02	PUMP AND TREAT OFFICE	D-7
C-612-T03	PUMP AND TREAT CHANGEHOUSE	D-7
C-612-T04	WOODEN STORAGE BUILDING	D-7
C-612-T05 - T08	SEALAND STORAGE TRAILERS	D-7
C-612-T09 - T12	SEALAND STORAGE TRAILERS	D-7
C-613	SCRAP YARD SEDIMENTATION BASIN	D-7
C-613-01	BASIN PUMP STATION	D-8
C-613-02	BASIN PUMP STATION	D-8
C-613-A	PROCESS AND OFFICE TRAILER	D-7
C-613-B	SOIL BORROW STOCKPILE	D-7
C-615	SEWAGE DISPOSAL PLANT	D-10
C-615-A	PRIMARY SETTLING TANK	D-10
C-615-B	FINAL SETTLING TANK	D-10
C-615-C	OIL CONTROL BUILDING	D-10
C-615-D	DIGESTER	D-10
C-615-E	TRICKLING FILTER	D-10
C-615-F	SLUDGE BEDS	D-10
C-615-G	SEWAGE LIFT STATION	G-10
C-615-H	SEWAGE LIFT STATION	G-8
C-615-H1	SEWAGE LIFT STATION	J-9
C-615-H2	SEWAGE LIFT STATION	G-8
C-615-H3	SEWAGE LIFT STATION	J-9
C-615-H4	SEWAGE LIFT STATION	G-12
C-615-H5	SEWAGE LIFT STATION	J-9
C-615-H6	SEWAGE LIFT STATION	E-7
C-615-H7	SEWAGE LIFT STATION	H-8
C-615-H8	SEWAGE LIFT STATION	J-9
C-615-J	CHROMATE LIFT STATION (ABANDONED)	H-10
C-615-K	CHROMATE LIFT STATION (ABANDONED)	G-8
C-615-L	OIL CONTROL MONITORING STATION	D-9
C-615-M	OIL CONTROL STRUCTURE	D-9
C-615-N	OIL CONTAINMENT LAGOON	D-9
C-615-O	OIL CONTROL BUILDING	D-9
C-616	LIQUID POLLUTION ABATEMENT FACILITY	F-7
C-616-A	CHEMICAL FEED BUILDING	G-7
C-616-B	CLARIFIER	G-7
C-616-C	LIFT STATION	G-7
C-616-D	SLUDGE LAGOON & VALVE PIT	G-7
C-616-E	SLUDGE LAGOON	F-6
C-616-F	FULL FLOW LAGOON	F-6
C-616-G	SULPHURIC ACID TANK	G-7
C-616-H1	FESO4 STORAGE TANK (EAST)	J-9
C-616-H2	FESO4 STORAGE TANK (WEST)	J-9
C-616-J	REDUCTION TANK	G-7
C-616-K	SERVICE BUILDING	G-7
C-616-L	EFFLUENT CONTROL VAULT	G-9
C-616-M	CLARIFIER (WEST)	F-7
C-616-N	REDUCTION TANK (WEST)	F-7
C-616-P	SLUDGE LAGOON & VALVE PIT	G-7
C-617-A	EFFLUENT CONTROL STATION	J-10
C-617-B	EFFLUENT CONTROL LAGOON	J-10
C-617-C	OUTFALL 013 WETLAND & POND	J-13
C-620	AIR COMPRESSOR ROOM	I-10
C-631-1	PUMP HOUSE	I-9
C-631-2	COOLING TOWER	I-9
C-631-3	PUMP HOUSE (FIREWATER)	I-9
C-631-4	BLENDING PUMP HOUSE	I-9
C-631-5	BLENDING COOLING TOWER (WEST)	H-9
C-631-6	BLENDING COOLING TOWER (EAST)	I-9
C-631-T08	ASBESTOS DECON TRAILER	H-9
C-631-T09	ASBESTOS CREW BREAKROOM TRAILER	H-9
C-631-T10	ASBESTOS CREW STORAGE TRAILER	H-9
C-631-T11	INSTRUMENT MAINTENANCE TRAILER	H-9
C-631-T12	ASBESTOS CREW STORAGE TRAILER	H-9
C-631-T14	RCW SUPERVISOR OFFICE	I-9
C-631-T16	MAINTENANCE TRAILER	H-9
C-633-1	PUMP HOUSE	J-12
C-633-2A	COOLING TOWER (SOUTH)	J-12
C-633-2B	COOLING TOWER (NORTH)	J-12
C-633-3	BLENDING PUMP HOUSE	J-13
C-633-4	BLENDING COOLING TOWER (NORTH)	J-12
C-633-5	BLENDING COOLING TOWER (SOUTH)	J-12
C-633-6	SAND FILTER BUILDING	J-11
C-634-B	ACID STORAGE TANK	J-12
C-635-1	PUMP HOUSE AND PIPING	G-8
C-635-2	COOLING TOWER	G-8
C-635-3	BLENDING PUMP HOUSE	G-8
C-635-4	BLENDING COOLING TOWER (NORTH)	G-8
C-635-5	BLENDING COOLING TOWER (SOUTH)	G-8
C-635-6	PROCESS WASTE HEAT UTILIZATION PUMP HOUSE	G-8
C-637-1	PUMP HOUSE	J-8
C-637-2A	COOLING TOWER (SOUTH)	J-8
C-637-2B	COOLING TOWER (NORTH)	J-8
C-637-3	BLENDING PUMP HOUSE	J-7
C-637-4	BLENDING COOLING TOWER (NORTH)	J-7
C-637-5	BLENDING COOLING TOWER (SOUTH)	J-8
C-637-6	SAND FILTER BUILDING	J-8
C-709	PLANT LABORATORY ANNEX	G-10
C-710	TECHNICAL SERVICES BUILDING	G-10
C-710-A	GAS CYLINDER STORAGE BUILDING	G-10
C-710-B	STORAGE FACILITY	G-10
C-711	GAS MANIFOLD	G-10
C-720	MAINTENANCE & STORES BUILDING	F-10
C-720-A	COMPRESSOR SHOP	F-10
C-720-B	MACHINE SHOP ADDITION	F-10
C-720-C	CONVERTOR SHOP ADDITION	F-10
C-720-C1	PAINT SHOP	F-10
C-720-D	TRANSFORMER BUILDING	F-10
C-720-E	CHANGE HOUSE ADDITION	F-10
C-720-G	WAREHOUSE	F-10
C-720-H	WAREHOUSE	F-10
C-720-J	AIR LOCK	G-10
C-720-K	INSTRUMENT SHOP ADDITION	G-10
C-720-L	OXYGEN FACILITY (TANK)	G-10
C-720-M	COMPUTER MAINTENANCE TRAILER	G-10
C-720-M-T01	COMPUTER MAINTENANCE STORAGE TRAILER	G-10
C-720-M-T02	COMPUTER MAINTENANCE STORAGE TRAILER	G-10
C-721	GAS MANIFOLD STORAGE	F-10
C-722	ACID NEUTRALIZATION PIT	F-10
C-724-A	CARPENTER SHOP ANNEX	F-10
C-724-B	CARPENTER SHOP	F-10
C-724-D	LUMBER STORAGE BUILDING	F-9
C-725	PAINT SHOP	F-9
C-726	SANDBLAST BUILDING	G-9

FACILTY NUMBER	DESCRIPTION	LOCATION
C-727	LOW LEVEL WASTE STORAGE	H-10
C-728	MOTOR CLEANING FACILITY	F-9
C-729	ACETYLENE BUILDING	G-10
C-730	MAINTENANCE SERVICES	F-10F-10
C-730-T01	OFFICE TRAILER	F-10
C-730-T02	OFFICE TRAILER	F-10
C-730-T05	OFFICE TRAILER	F-11
C-730-T06	OFFICE TRAILER	F-11
C-731	RAILROAD REPAIR EQUIPMENT STORAGE BUILDING	E-9
C-732	MAINTENANCE MATERIALS STORAGE BUILDING	E-9
C-733	WASTE OIL & CHEMICAL STORAGE FACILITY	E-9
C-740	MATERIAL YARD	E-10
C-740-B	OIL DRUM STORAGE SHELTER	E-10
C-741	MOBILE EQUIPMENT SHED	F-10
C-742	CYLINDER STORAGE BUILDING	F-10
C-742-B	CI F3 CYLINDER STORAGE	D-8
C-743	OFFICE BUILDING	E-10
C-743-A	HEALTH PHYSICS STORAGE	E-10
C-743-A1	STORAGE SHED	E-10
C-743-A2	STORAGE SHED	E-10
C-743-T01	ENVIRONMENTAL RESTORATION OFFICE	F-10
C-743-T02	ENVIRONMENTAL RESTORATION OFFICE	F-10
C-743-T03	OFFICE TRAILER	E-10
C-743-T04	CHANGE HOUSE / SHOWER TRAILER	E-10
C-743-T07	TEMPORARY OFFICE	E-10
C-743-T09	TEMPORARY OFFICE	F-10
C-743-T11	TEMPORARY OFFICE	E-10
C-743-T12	TEMPORARY OFFICE	E-10
C-743-T13	TEMPORARY OFFICE	E-10
C-743-T14	TEMPORARY OFFICE	E-10
C-743-T15	TEMPORARY OFFICE	E-10
C-743-T16	TEMPORARY OFFICE	E-10
C-743-T17	OFFICE TRAILER	E-10
C-744	LUBRICATION BUILDING	F-9
C-745-A	CYLINDER STORAGE	E-9
C-745-B	CYLINDER STORAGE	E-8
C-745-B1	CYLINDER STORAGE YARD OFFICE	E-8
C-745-C	CYLINDER STORAGE	F-8
C-745-C-T02	OFFICE TRAILER	F-8
C-745-C-T03	OFFICE TRAILER	F-8
C-745-C-T04	OFFICE TRAILER	F-8
C-745-D	CYLINDER STORAGE YARD	I-13
C-745-E	KELLOGG STORAGE YARD	J-9
C-745-F	CYLINDER STORAGE YARD	H-12
C-745-G	CYLINDER STORAGE YARD	H-12
C-745-G1	BASIN LIFT STATION	H-12
C-745-G2	TEMPORARY CYLINDER PAINT FACILITY	H-12
C-745-G3	TEMPORARY CYLINDER PAINT FACILITY	H-12
C-745-G4	TEMPORARY CYLINDER PAINT FACILITY	H-12
C-745-G5	TEMPORARY CYLINDER PAINT FACILITY	H-12
C-745-G-T01	CYLINDER PAINT FACILITY TRAILER	H-12
C-745-H	SAFEGUARD CYLINDER STORAGE AREA	J-7
C-745-J	FOREIGN CYLINDER STORAGE YARD	J-7
C-745-K	CYLINDER STORAGE YARD	H-13
C-745-L	CYLINDER STORAGE YARD	H-13
C-745-M	CYLINDER STORAGE YARD	H-13
C-745-N	CYLINDER STORAGE YARD	I-13
C-745-P	CYLINDER STORAGE YARD	I-13
C-745-Q	CYLINDER STORAGE YARD	I-12
C-745-R	CYLINDER STORAGE YARD	I-12
C-745-R1	CYLINDER CHANGEOUT BUILDING	I-13
C-745-S	CYLINDER STORAGE YARD	H-13
C-745-T	CYLINDER STORAGE YARD	I-14
C-745-U	CYLINDER STORAGE YARD	I-13
C-745-V	CYLINDER STORAGE YARD	J-13
C-745-W	CYLINDER YARD HIGH ACTIVITY R.R. PAD	I-13
C-745-X	EQUIPMENT STORAGE YARD	I-12
C-745-Y	EQUIPMENT STORAGE YARD	J-8
C-745-Z	EQUIPMENT STORAGE YARD	J-8
C-745-Z1	CONSTRUCTION SPOILS AREA	J-7
C-746-A	NORTH WAREHOUSE (METAL FURNACE & SCRAP RECOVERY)	F-7
C-746-B	SOUTH WAREHOUSE	F-7
C-746-C	CLEAN SCRAP YARD (NORTH)	F-7
C-746-C1	CLEAN SCRAP YARD (SOUTH)	F-7
C-746-D	CLASSIFIED SCRAP YARD	J-9
C-746-E	CONTAMINATED SCRAP YARD (NORTH)	F-7
C-746-E1	CONTAMINATED SCRAP YARD (SOUTH)	F-7
C-746-F	CLASSIFIED SCRAP BURIAL YARD	E-7
C-746-G	ELECTRIC EQUIPMENT STORAGE	J-9
C-746-H2	PEM STORAGE SLAB	F-9
C-746-H3	PEM STORAGE SLAB	F-9
C-746-H4	NICKEL INGOT STORAGE PAD	F-7
C-746-K	SANITARY LANDFILL	D-11
C-746-L	TRACTOR STORAGE	I-3
C-746-M	WASTE ASKAREL STORAGE FACILITY	F-9
C-746-P	SCRAP METAL YARD (EAST)	E-7
C-746-P1	SCRAP METAL YARD (WEST)	E-7
C-746-P-T01	SCRAP METAL TRAILERS	E-7
C-746-P-T03	SCRAP METAL TRAILERS	E-7
C-746-P-T04	SCRAP METAL TRAILERS	E-7
C-746-P-T05	SCRAP METAL TRAILERS	F-7
C-746-Q	HAZARDOUS & LLW STORAGE	I-12
C-746-Q1	HIGH ASSAY WASTE STORAGE FACILITY	I-12
C-746-R	ORGANIC WASTE STORAGE AREA	H-12
C-746-S	NEW SANITARY LANDFILL AREA	I-4
C-746-S1	LANDFILL SERVICE BUILDING	I-3
C-746-T	INDUSTRIAL LANDFILL	I-4
C-746-V	ER STORAGE PAD	F-8
C-746-X	ELECTRICAL EQUIPMENT STORAGE BUILDNG	I-7
C-747	BURIAL AREA (INACTIVE)	E-9
C-747-A	BURIAL AREA (INACTIVE)	E-7
C-747-A-T01	HP ACCESS TRAILER	E-7
C-747-B	BURIAL AREA (INACTIVE)	E-7
C-747-C	OIL LANDFARM AREA	E-9
C-748-A	KOW DISPOSAL AREA (INACTIVE)	D-11
C-748-B	BURIAL AREA (INACTIVE)	E-9
C-749	URANIUM SCRAP BURIAL YARD (INACTIVE)	E-8
C-750	GARAGE	G-10
C-751	FUEL DISPENSING FACILITY	F-10
C-752	RA WASTE HOLDING FACILITY	G-8
C-752-A	ER WASTE STORAGE FACILITY	F-8
C-752-A -T09 - T10	WASTE OPERATIONS OFFICES	F-8
C-752-B	FUELING STATION	E-11
C-752-B-T01	FUELING STATION	E-11
C-752-C	OFFSITE DECONTAMINATION PAD	E-11
C-752-D	GRAVEL PAD	E-11
C-753-A	TSCA STORAGE FACILITY	G-8
C-754	LOW LEVEL WASTE STORAGE	H-9
C-754-A	WASTE MANAGEMENT STORAGE AREA	H-9
C-754-B	LOW LEVEL WASTE STORAGE	I-9
C-755	C-755 TRAILER COMPLEX	J-9
C-755-T01	OFFICE TRAILER	J-9
C-755-T02	OFFICE TRAILER	K-9
C-755-T03	OFFICE TRAILER	J-9
C-755-T04	OFFICE TRAILER	K-9
C-755-T05	OFFICE TRAILER	J-9
C-755-T06	OFFICE TRAILER	K-9
C-755-T07	OFFICE TRAILER	K-9
C-755-T08A	OFFICE TRAILER	K-9
C-755-T09	OFFICE TRAILER	J-9
C-755-T10	GROUNDWATER STORAGE TRAILER	K-9
C-755-T11	GROUNDWATER STORAGE TRAILER	K-9
C-755-T12	GROUNDWATER STORAGE TRAILER	K-9
C-755-T13	SEALAND STORAGE	J-9
C-755-T14	SEALAND STORAGE	J-9
C-755-T16	RADCON TRAILER	J-9
C-755-T17	CHANGEHOUSE / SHOWER TRAILER	J-9
C-755-T18	FIELD OFFICE TRAILER	J-9
C-755-T19	OFFICE BREAK TRAILER	J-9
C-755-T20	SWIFT & STALEY OFFICE / BREAK TRAILER	J-9
C-755-T21	OFFICE TRAILER	J-9
C-755-T22A	INSTRUMENT LAB TRAILER	J-9
C-755-T23	OFFICE TRAILER	J-9
C-755-T24	SEALAND STORAGE	K-9
C-755-T25	SEALAND STORAGE	K-9
C-755-T26	OFFICE TRAILER	J-9
C-755-T27	OFFICE TRAILER	J-9
C-755-T28	OFFICE TRAILER	J-9
C-755-A	MAINTENANCE SHOP	J-9
C-755-A1	STORAGE BUILDING	J-9
C-755-B	CHANGE HOUSE	K-9
C-755-C	STORAGE SHED	J-9
C-755-D	GUARD SHACK	K-9
C-755-E	UNDERGROUND STORM SHELTER	J-9
C-755-F	UNDERGROUND STORM SHELTER	J-9
C-755-G	UNDERGROUND STORM SHELTER	K-9
C-755-H	UNDERGROUND STORM SHELTER	J-9
C-755-M	STORAGE BUILDING	J-9
C-755-M1	STORAGE BUILDING	J-9
C-755-M2	STORAGE BUILDING	J-9
C-755-M3	STORAGE BUILDING	J-9
C-755-N	EAST EXTENDED PARKING LOT	K-9
C-755-P	GRAVEL PARKING LOT	J-9
C-755-R	SEALAND STORAGE	K-9
C-755-S	OFFICE TRAILER	K-9
C-755-T	STORAGE SHED	K-9
C-755-V	SALT STORAGE	K-9
C-755-W	OFFICE TRAILER	K-9
C-755-X	STORAGE SHED	K-9
C-755-Z	STORAGE TRAILER	K-9
C-757	SOLID & LL WASTE PROCESS FACILITY	G-7
C-757-T01	HEALTH PHYSICS OFFICE TRAILER	G-7
C-759	SCRAP METAL STAGING AREA	F-8
C-759-A	ISOCS – In Situ Object Counting System	F-8
C-760	North-South Diversion Ditch (NSDD) LAYDOWN GRAVEL PAD	G-7
C-760-A	NSDD SURGE BASIN	G-7

FACILTY NUMBER	DESCRIPTION	LOCATION
C-764-A	PARKING AREA	D-10
C-764-T01	OFFICE TRAILER	D-10
C-764-T02	OFFICE TRAILER	D-10
C-764-T03	OFFICE TRAILER	D-10
C-764-T04	OFFICE TRAILER	D-10
C-764-T05	OFFICE TRAILER	D-10
C-764-T06	OFFICE TRAILER	D-10
C-764-T07	OFFICE TRAILER	D-10
C-764-T08	OFFICE TRAILER	D-10
C-764-T09	OFFICE TRAILER	D-10
C-764-T10	OFFICE TRAILER	E-10
C-764-T11	CHANGEHOUSE TRAILER	E-10
C-770	VORTEC DEMONSTRATION PLANT	D-8
C-800	MOTORCYLCE PARKING SHELTER	G-11
C-801	OHIO DRIVE BUS SHELTER	G-10
C-802	METEOROLOGICAL TOWER	G-12
C-802-A	METEOROLOGICAL COMM. BUILDING	G-12
C-802-B	METEOROLOGICAL EQUIPMENT BUILDING	G-12
C-810	PARKING AREA (C-100)	G-11
C-811	PARKING AREA (C-720)	F-11
	COOLING TOWER NEXT TO C-604	G-9
DUF6	Depleted Uranium Hexafluoride (DUF6) Conversion	G-12
C-1100	ADMINISTRATION BUILDING	G-13
C-1100-T01	ADMIN TRAILER	G-13
C-1100-T02	ADMIN TRAILER	G-13
C-1100-T03	ADMIN TRAILER	G-13
C-1100-T04	ADMIN TRAILER	G-13
C-1100-T05	ADMIN TRAILER	G-12
C-1200	PARKING AREA	G-13
C-1200-T08	OFFICE TRAILER	G-13
C-1200-T09	OFFICE TRAILER	G-13
C-1200-T10	OFFICE TRAILER	G-13
C-1215	VEHICLE ACCESS HOUSE "A"	G-13
C-1220	VEHICLE ACCESS HOUSE "B"	G-12
C-1300	CONVERSION BUILDING	G-12
C-1300-T01	CONVERSION BUILDING TRAILER	G-12
C-1305	HF STORAGE TANK AREA	G-12
C-1305A	HF TANKER CAR CONTAINMENT PIT	G-12
C-1310	NITROGEN SUPPLY SYSTEM AREA	G-12
C-1320	KOH REGENERATION BUILDING	G-13
C-1600B	SERVICE WATER PUMP HOUSE	G-12
C-1700	WAREHOUSE / MAINTENANCE BUILDING	G-13
C-1745B	EMPTY CYLINDER STAGING YARD	G-12

FOR INFORMATION ONLY

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHECKED		

PADUCAH GASEOUS DIFFUSION PLANT FACILITY SITE MAP		
Paducah, KY	September 4, 2014	Drawn by S.R. Durbin
CADD FILENAME	DE-SOL-0006383	REV. NO.
DOE PGDP Site Map	J-8.C.3.5.6b	0

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6c Listing of Bridges

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6c Listing of Bridges

Bridge Name	Approximate Length	Location	Description
South Acid Road Bridge	265 Feet	On South Acid Road, approx. 2,200' west of Hobbs Road	Currently Closed: Controlled Access Bridge (Vehicular)
Low Water Crossing	41 Feet	Crossing ford at the intersection of Rice Springs Rd. and Water Works Rd., approx. 4,000' west of C-611. Finished concrete surface poured over two 60" steel culverts	Public Access crossing (Vehicular)
Transport Road Bridge	44 Feet	On South Acid Road, crosses Bayou Creek, approximately 2,400' north of C-611Y Lagoon	Shut down pending D&D: Public Access Bridge (Vehicular)
Water Works Road Bridge	183 Feet	On Water Works Road, crosses Bayou Creek, approximately 180' west of the Curlee Road/Water Works Road Intersection	1769 Controlled Access Bridges (Vehicular)

**McCaw Bridge Road currently does not exist (approximately one mile from C-755).*

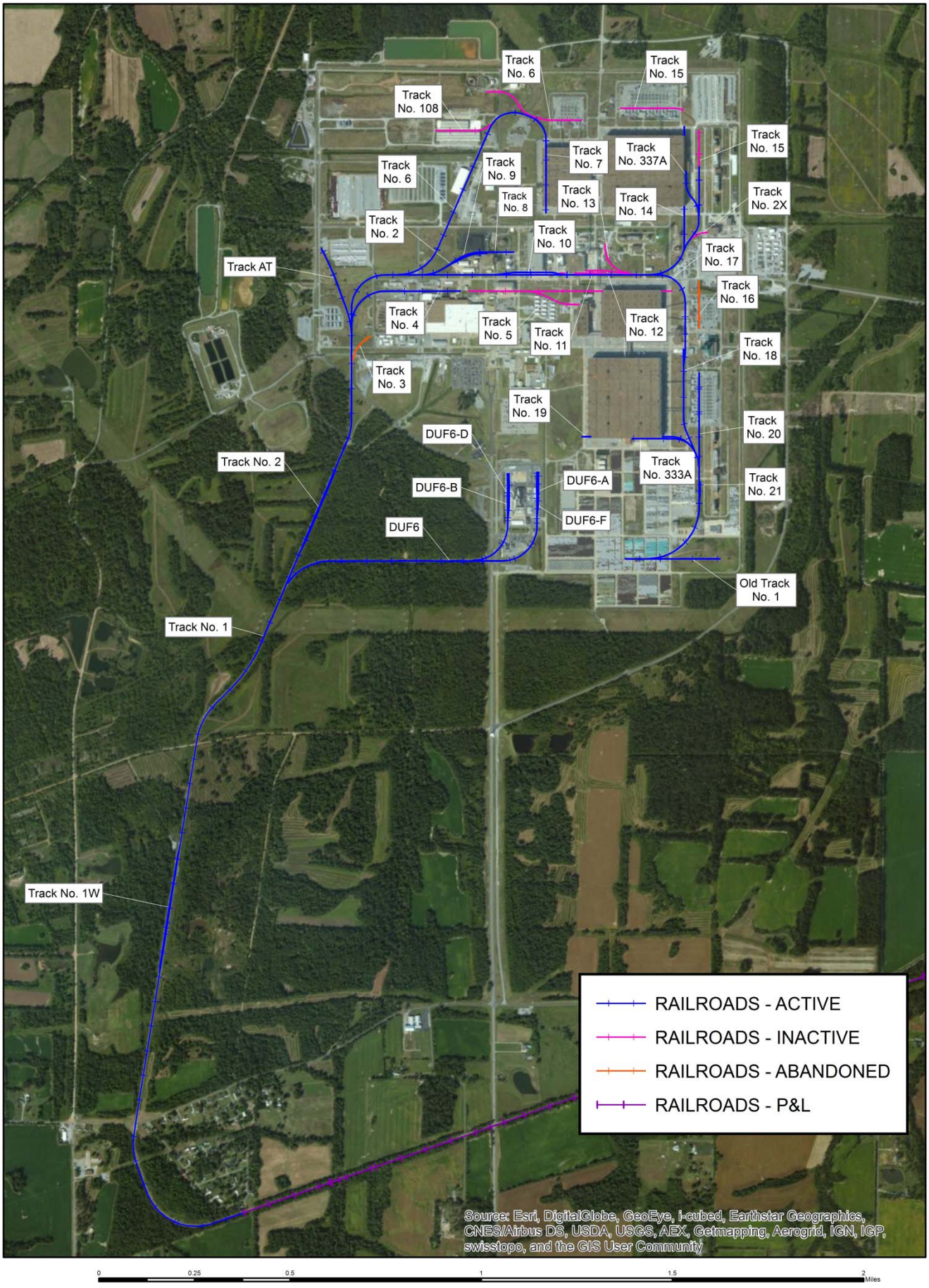
SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6d Map Detailing Bridge Locations


N
Anderson Road Bridge
(Shutdown pending D&D)
Transport Road Bridge
C900057 Bridge 2
(Shutdown pending D&D)
McCaw Road Bridge
(D&D performed. Road blocked.)
Water Works Rd. Bridge
Low Water Crossing
C-1210
Vehicle Bridge
South Acid Road Bridge
C900057 Bridge 1
Vehicular Bridges
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.25
0.5
1
1.5
2
Miles

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.8a Rail System Map


N
Track No. 6
Track No. 15
Track No. 108
Track No. 15
Track No. 7
Track No. 337A
Track No. 6
Track No. 9
Track No. 8
Track No. 13
Track No. 14
Track No. 2X
Track No. 2
Track No. 10
Track No. 17
Track AT
Track No. 16
Track No. 4
Track No. 5
Track No. 11
Track No. 12
Track No. 18
Track No. 3
Track No. 19
Track No. 20
DUF6-D
Track No. 2
Track No. 333A
DUF6-A
Track No. 21
DUF6-B
DUF6-F
DUF6
Old Track No. 1
Track No. 1
Track No. 1W
RAILROADS - ACTIVE
RAILROADS - INACTIVE
RAILROADS - ABANDONED
RAILROADS - P&L
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.25
0.5
1
1.5
2
Miles

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.8b Listing of Switches

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
PADUCAH ACTIVE AND INACTIVE RAIL SYSTEM SWITCHES

Track #	Approx. Length in feet Active	Approx. Length in feet Inactive	Approx. Length in feet Abandoned	Switches	Switch Name	Crossings
1	16,000			2	1-1Ws, 1-1Wn	2
1W	2,000			0	None	0
DUF6	2,800			1	C-0-RRS-RS-001	0
DUF6A	2,000			1	C-0-RRS-RS-003	3
DUF6F	700			0	None	0
DUF6B	1,500			1	C-0-RRS-RS-002	3
DUF6D	700			0	None	0
2	8500			14	2-DUF6, 2-AT, 2-4, 2-6, 2-8, 2-10,2-10W, 2-10E, 2-11, 2-12, 2-17, 2-14, 2-X, 2-15-337A	13
AT	1100			0	None	0
3			400	0	None	0
4	1,300	2,000		2	4-4, 4-5	8
5	500			0	None	1
6	3,100	1,200		3	6-108, 6-7, 6-6	5
7	1,200			0	None	1
8	1,200			0	None	0
9	600			0	None	0
10	400	200		0	None	4
11		500		0	None	0
12		650		0	None	0
13		400		0	None	0
14	1,600			0	None	1
15	600	600		0	None	1
337A	600			0	None	1
2X (360)		400		0	None	0
16			800	0	None	0
17	1,600			0	None	2
18	1,400			3	18-33A, 18-19, 18-20	2
19	1,500			0	None	2
333A	500			0	None	1
20	1,900	600		2	20-21, 20-22	1
21	200			0	None	0
108		800		0	None	0
Old Track #1	1,000			0	None	1
Totals	54,500	7,350	1,200	29		52

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.8c LISTING OF TRESTLES

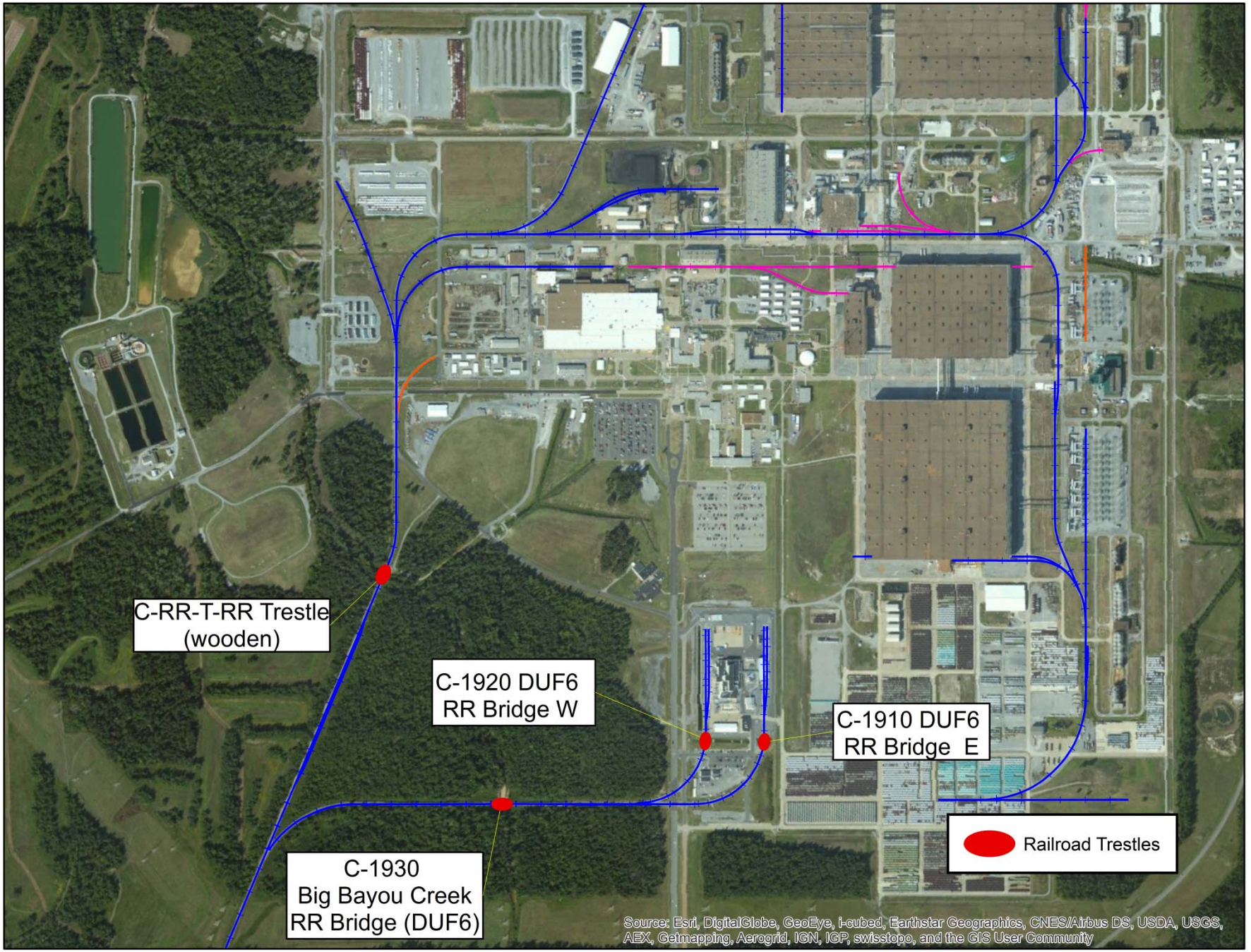
SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.8c LISTING OF TRESTLES

RR Trestle/Bridge Name	Length	Description
C-RR-T-RR Trestle	87 Feet	RR track trestle (wooden) supporting **Track 2**, outside and south of the PGDP CAA -
C-1930 Big Bayou Creek RR Bridge	57 Feet	RR track bridge (steel) on section of track labeled **DUF6**.
C-1920 DUF6 RR Bridge W	45 Feet	RR track bridge (concrete) supporting tracks B and D, located SW of DUF6, **Track DUF6B.**
C-1910 DUF6 RR Bridge E	45 Feet	RR track bridge (concrete) supporting DUF6 tracks A and F, located SE of DUF6, **Track DUF6A**.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.8d Trestle Location Map


N
C-RR-T-RR Trestle
(wooden)
C-1920 DUF6
RR Bridge W
C-1910 DUF6
RR Bridge E
C-1930
Big Bayou Creek
RR Bridge (DUF6)
Railroad Trestles
Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
0
0.125
0.25
0.5
0.75
1
Miles

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.9 – PADUCAH PEST CONTROL FACILITIES

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

PADUCAH PEST CONTROL FACILITIES

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	A-1	Landfill	4.6 acres	N/A	N/A	N/A	N/A
REM	INF	A-2	Landfill	3.4 acres	N/A	N/A	N/A	N/A
INF	INF	A-3	NW Area (1,3,4 & 5)	20.5 acres	N/A	N/A	N/A	N/A
INF	INF	A-3	NW area (2)	21 acres	N/A	N/A	N/A	N/A
INF	INF	A-4	Fence	10 acres	N/A	N/A	N/A	N/A
REM	INF	A-5	Cylinder yard	9 acres	N/A	N/A	N/A	N/A
REM	INF	A-6	Scrap yard	6.7 acres	N/A	N/A	N/A	N/A
INF	INF	B-1	C-416 pad	2.6 acres	N/A	N/A	N/A	N/A
REM	INF	B-2	Ditch	11.4 acres	N/A	N/A	N/A	N/A
INF	INF	B-3	NE Area, sect 1	9 acres	N/A	N/A	N/A	N/A
INF	INF	B-3	NE Area, sect 2	9 acres	N/A	N/A	N/A	N/A
INF	INF	B-3	NE Area, sect 3	9 acres	N/A	N/A	N/A	N/A
INF	INF	C-1	C-410 complex	6.9 acres	N/A	N/A	N/A	N/A
DEA	INF	C-100 (All areas except vaults and computing)	Building	96,819	MB09 Concrete Shear Walls	3	1953	Yes
INF	INF	C-100 (Vaults and Computing)	Building	5,208	MB09 Concrete Shear Walls	3	1953	Yes
DEA	INF	C-100-T04	Trailer	1,440	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-100-T05	Trailer	1,440	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-100-T06	Trailer	1,440	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-100-T07	Trailer	1,440	MB05 Steel Light Frame	1	N/A	N/A
DEA	INF	C-100-T08	Trailer	1,440	MB05 Steel Light Frame	1	N/A	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
INF	INF	C-101	Building	18,326	MB09 Concrete Shear Walls	2	1953	Yes
DEA	INF	C-102	Building	11,666	MB09 Concrete Shear Walls	1	1953	Yes
DEA	INF	C-102-T01	Trailer	1,440	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-102-T02	Trailer	1,440	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-102-T03	Trailer	1,440	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-102-T04	Trailer	1,440	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-102-T05	Trailer	1,440	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-102-T06	Trailer	1,440	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-102-T07	Trailer	1,800	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-102-T08	Trailer	48	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-102-T09	Trailer	96	MB05 Steel Light Frame	1	N/A	Yes
INF	INF	C-103	Building	7,435	MB13 Reinforce Masn Bear Walls/Wood,Metl Deck Dphm	1	1997	Yes
INF	INF	C-103 Annex	Building	3,264	N/A	N/A	N/A	Yes
INF	INF	C-2	West of C-400	1.1 acres	N/A	N/A	N/A	N/A
DEA	INF	C-200	Building	19,490	MB09 Concrete Shear Walls	1	1953	Yes
REM	INF	*C-200*	Tanks	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-200-A	Building	1,600	MB05 Steel Light Frame	1	1992	Yes
DEA	INF	C-200-B	Trailer	224	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-201	Building	864	MB05 Steel Light Frame	1	1979	No
DEA	INF	C-201-A	Building	224	N/A	N/A	N/A	No
DEA	INF	C-201-B	Building	224	N/A	N/A	N/A	No
DEA	INF	C-201-C	Building	360	N/A	N/A	N/A	No
DEA	INF	C-201-D	Building	224	N/A	N/A	N/A	No
DEA	INF	C-202	Building	3,446	MB14 Reinforcd Masny Bear Walls/Precast Concr Dphm	1	1986	Yes
DEA	INF	C-203	Building - Emergency Vehicle	1,800	MB13 Reinforce Masn Bear	1	1979	No

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
			Shelter		Walls/Wood,Metl Deck Dphm			
REM	INF	C-204	Building - Disintegrator	192	MB05 Steel Light Frame	1	1981	
DEA	INF	C-205	Building - Respirator Issue Bldg	4,100	N/A	N/A	N/A	Yes
DEA	INF	C-206	OSF (Pumper Drafting Pit)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-206-A	OSF - Storage Trailer Facility	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-206-B	Trailer - Smoke Training Facility	700	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-207	Building - Fire Training Facility	900		3	1953	No
DEA	INF	C-212	Building	3,471	MB08 Concrete Moment Frame	1	1952	Yes
DEA	INF	C-212-A	Building	280	N/A	1	1953	Yes
INF	INF	C-212-U	Building	1,715	N/A	1	1954	Yes
DEA	INF	C-214	Building - Post 57	128	N/A	N/A	N/A	N/A
DEA	INF	C-215	Building	1,045	MB15 Unreinforced Masonry Bearing Walls	1	1957	No
DEA	INF	C-216	Building	500	MB05 Steel Light Frame	1	1983	Yes
REM	INF	C-217	Post 34 Building	54	N/A	N/A	N/A	N/A
REM	INF	C-218	Range	40,000	N/A	N/A	N/A	N/A
REM	INF	C-219	Gate 38 Building	120				
DEA	INF	C-220-A	OSF - Power Distribution System	N/A	N/A	N/A	N/A	N/A
INF	INF	C-220-D1	OSF - Bell Telephone System	N/A	N/A	N/A	N/A	N/A
INF	INF	C-220-D2	OSF - PAX Telephone System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-224	Building - Post 15	1,680	N/A	N/A	N/A	Yes
DEA	INF	C-225	Building - Post 48	1,598	N/A	N/A	N/A	Yes
INF	INF	C-225-A	Building - Post 48	64	N/A	N/A	N/A	Yes
INF	INF	C-229	Trailer - Post 229	588	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-230-A	OSF - Sanitary Water System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-B	OSF - Sanitary Sewer System	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-230-C	OSF - Storm Sewer System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-D	OSF - Chilled Water System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-E	OSF - Plant (Process) Water System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-F	OSF - Process Waste Water System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-G	OSF - Recirculating Cooling Water System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-H	OSF - High Pressure Fire Water System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-230-J	OSF - Process Waste Heat Utilization System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-232-A	OSF - Nitrogen System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-232-B	OSF - Compressed Air System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-232-C	OSF - Acetylene/Oxygen System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-232-D	OSF - Steam Distribution System	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-232-E	OSF - Natural Gas System	N/A	N/A	N/A	N/A	N/A
INF	INF	C-3	C-340 complex	3.0 acres	N/A	N/A	N/A	N/A
DEA	INF	C-300	Building - Central Control	16,022	MB09 Concrete Shear Walls	1	1953	Yes
DEA	INF	C-300 - 531	OSF - Instrumentation Tunnel	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-300 - 533	OSF - Instrumentation Tunnel	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-300 - 535	OSF - Instrumentation Tunnel	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-300 - 537	OSF - Instrumentation Tunnel	N/A	N/A	N/A	N/A	N/A
REM	INF	C-301	Slab	2,640	N/A	N/A	N/A	N/A
DEA	INF	C-302	Building	7,366	MB04 Steel Braced Frame	1	1981	Yes
DEA	INF	C-302-T01	Trailer - Systems Engineering Storage		MB05 Steel Light Frame	1	N/A	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-303	Building	2,109	N/A	1	1954	Yes
DEA	INF	C-304	Building	8,000	MB04 Steel Braced Frame	1	1991	Yes
DEA	INF	C-310	Building	112,240	MB04 Steel Braced Frame	2	1952	Yes
DEA	INF	C-310 331-A	Bridge (Enclosed)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-310 331-B	OSF - Tie Line	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-310-A	Building	3,276	MB04 Steel Braced Frame	1	1952	No
DEA	INF	C-315	Building	16,040	MB04 Steel Braced Frame	2	1952	Yes
DEA	INF	C-315- 331	OSF - Tie Line	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-320	Building	1,116	MB16 Other-Desc brief in Notes field/supp doc	1	1952	Yes
DEA	INF	C-320-A	*Temporary Storage - Personal Property*	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-320-B	*Temporary Storage - Personal Property*	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331	Building	1,029,120	MB04 Steel Braced Frame	2	1953	Yes
DEA	INF	C-331-333-A	Bridge (Enclosed - 300ft)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-333-B	OSF - Tie Line (East)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-333-C	OSF - Tie Line (West)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-335	OSF - Tie Line	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-410	OSF - Tie Line	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-A	OSF - Yard Contractor Staging Area West	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-B	OSF - Yard Contractor Staging Area East	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-331-T07	Trailer	720	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-333	Building	2,130,120	MB04 Steel Braced Frame	2	1953	Yes
DEA	INF	C-333-A	Building	8,305	MB04 Steel Braced Frame	1	1953	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-333-T06	Trailer	96	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-333-T07	Trailer	96	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-335	Building	1,029,120	MB04 Steel Braced Frame	2	1954	Yes
DEA	INF	C-335-337-A	Bridge (Enclosed)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-335-337-B	OSF - Tie Line (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-335-337-C	OSF - Tie Line (South)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-337	Building	2,130,120	MB04 Steel Braced Frame	2	1954	Yes
DEA	INF	C-337-A	Building	8,556	MB04 Steel Braced Frame	1	1954	Yes
DEA	INF	C-337-T01	Trailer	96	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-337-T02	Trailer	1,440	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-340-A	Building	25,200	N/A	N/A	N/A	N/A
REM	INF	C-340-B	Building	21,360	N/A	N/A	N/A	N/A
REM	INF	C-340-C	Building	3,888	N/A	N/A	N/A	N/A
REM	INF	C-340-E	Building	N/A	N/A	N/A	N/A	N/A
REM	INF	C-340-FENCE	Fence	1,844	N/A	N/A	N/A	N/A
REM	INF	C-342	Building	1,000	N/A	N/A	N/A	N/A
REM	INF	C-342-A	Building	80	N/A	N/A	N/A	N/A
REM	INF	C-342-B	Shelter	2,150	N/A	N/A	N/A	N/A
DEA	INF	C-350	Building	1,570	MB15 Unreinforced Masonry Bearing Walls	1	1973	Yes
DEA	INF	C-360	Building	17,800	MB04 Steel Braced Frame	1	1983	No
DEA	INF	C-360-A	Building	8,400	N/A	N/A	N/A	No
DEA	INF	C-360-T01	Trailer	96	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-360-T02	Building	36	N/A	1	1953	Yes
REM	INF	C-370-E	Monitoring Station	N/A	N/A	N/A	N/A	N/A
REM	INF	C-370-W	Monitoring Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-04	OSF - C-615 Sec. Basin	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
			EF.(KPDES 002)					
DEA	INF	C-375-06	OSF - Lagoon (Plant Surface Runoff)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-16	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
REM	INF	C-375-17	Outfall	N/A	N/A	N/A	N/A	N/A
REM	INF	C-375-19	Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-E2 (KPDES 002)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-E3 (KPDES 010)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-E4 (KPDES 011)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-E5 (KPDES 012)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-E6 (KPDES 013)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-S6 (KPDES 009)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-375-W7 (KPDES 008)	OSF - Outfall	N/A	N/A	N/A	N/A	N/A
REM	INF	C-375-W8	Outfall 015	N/A	N/A	N/A	N/A	N/A
REM	INF	C-375-W9	Outfall 001	N/A	N/A	N/A	N/A	N/A
INF	INF	C-4	C-342 Facility	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-400	Building	116,140	MB04 Steel Braced Frame	1	1952	Yes
REM	INF	C-400 & C-404	Transfer Line	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-400-A	Building	100	MB16 Other	1	1952	Yes
DEA	INF	C-400-D	OSF - Lime Precip. & Ion Exch. Units	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-400-L	Lift Station	N/A	N/A	N/A	N/A	N/A
REM	INF	C-402	Slab only	1,502	N/A	N/A	N/A	N/A
REM	INF	C-403	Pit	576	N/A	N/A	N/A	N/A
REM	INF	C-404	Burial ground	N/A	N/A	N/A	N/A	N/A
REM	INF	C-404-A	Sump	N/A	N/A	N/A	N/A	N/A
REM	INF	C-405	Slab only	600	N/A	N/A	N/A	N/A
DEA	INF	C-407	OSF - Nitric Acid Storage Tank	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-408	Building	100	MB16 Other	1	1952	No
DEA	INF	C-409	Building	26,797	MB04 Steel Braced Frame	1	1953	Yes
REM	INF	C-410	Building	82,765	MB03 Steel Moment Frame	N/A	N/A	N/A
REM	INF	C-410-A	Slab only	6,000	N/A	N/A	N/A	N/A
REM	INF	C-410-B	Lagoon	2,000	N/A	N/A	N/A	N/A
REM	INF	C-410-C	Building	1,088	MB05 Steel Light Frame	1	1953	Yes
DEA	INF	C-410-D	Building	1,526	MB05 Steel Light Frame	1	1953	Yes
REM	INF	C-410-E	Pond	N/A	N/A	N/A	N/A	N/A
REM	INF	C-410-EXP	Feed Plant Exp	55,228				
REM	INF	C-410-F	Building	1,222	N/A	N/A	N/A	N/A
REM	INF	C-410-G	Building	1,222	N/A	N/A	N/A	N/A
REM	INF	C-410-H	Building	1,222	N/A	N/A	N/A	N/A
REM	INF	C-410-I	Building	2,000	N/A	N/A	N/A	N/A
REM	INF	C-410-J	Building	2,024	N/A	N/A	N/A	N/A
DEA	INF	C-410-K	Building	1,600	N/A	N/A	N/A	Yes
REM	INF	C-411	Building	4,260	N/A	N/A	N/A	N/A
REM	INF	C-411-A	Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-412-T01	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T02	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-412-T03	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T04	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T05	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T06	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T07	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T08	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T09	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T10	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T11	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T12	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T13	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-412-T14	Trailer	1,440	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-415	Building	3,672	MB05 Steel Light Frame	1	1955	N/A
REM	INF	C-416	Pad	2,826	N/A	N/A	N/A	N/A
REM	INF	C-416-T01	Trailer	N/A	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-417	Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-420	Building	51,778	MB04 Steel Braced Frame	5	1956	N/A
REM	INF	C-5	Cylinder yards	10 acres	N/A	N/A	N/A	N/A
DEA	INF	C-531-1	Building	31,400	MB09 Concrete Shear Walls	2	1952	Yes
DEA	INF	C-531-2	OSF - Switchyard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-531-3A	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-531-3B	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-532	Building	7,784	MB09 Concrete Shear Walls	2	1952	Yes
DEA	INF	C-533-1	Building	37,360	MB09 Concrete Shear Walls	2	1953	Yes
DEA	INF	C-533-2	OSF - Switchyard	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-533-3A	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-533-3B	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-533-3C	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-533-3D	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-535-1	Building	28,000	MB09 Concrete Shear Walls	2	1954	Yes
DEA	INF	C-535-2	OSF - Switchyard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-535-3A	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-535-3B	Building	144	MB12 Precast Concrte Frames w/ Concrte Shear Wall	1	1952	Yes
DEA	INF	C-535-4	Building	480	MB03 Steel Moment Frame	1	1954	Yes
DEA	INF	C-536	Building	7,784	MB09 Concrete Shear Walls	2	1954	Yes
DEA	INF	C-537-1	Building	42,140	MB09 Concrete Shear Walls	2	1954	Yes
DEA	INF	C-537-2	OSF - Switchyard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-537-3A	Building	144	MB03 Steel Moment Frame	1	1952	Yes
DEA	INF	C-537-3B	Building	144	MB08 Concrete Moment Frame	1	1952	Yes
DEA	INF	C-537-3C	Building	144	MB03 Steel Moment Frame	1	1952	Yes
DEA	INF	C-537-3D	Building	144	MB03 Steel Moment Frame	1	1952	Yes
DEA	INF	C-537-4	Building	480	MB03 Steel Moment Frame	1	1954	Yes
DEA	INF	C-540-A	Building	312	MB05 Steel Light Frame	1	1952	Yes
DEA	INF	C-540-B	OSF - Oil Storage Tank (Northwest)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-540-C	OSF - Oil Storage Tank (Southwest)	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-540-D	OSF - Oil Storage Tank (Northeast)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-540-E	OSF - Oil Storage Tank (Southeast)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-541-A	Building	312	MB05 Steel Light Frame	1	1954	Yes
DEA	INF	C-541-B	OSF - Oil Storage Tank (Northwest)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-541-C	OSF - Oil Storage Tank (Southwest)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-541-D	OSF - Oil Storage Tank (Northeast)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-541-E	OSF - Oil Storage Tank (Southeast)	N/A	N/A	N/A	N/A	N/A
INF	INF	C-6	SE Area	36.2 acres	N/A	N/A	N/A	N/A
DEA	INF	C-600	Building	47,424	MB04 Steel Braced Frame	2	1952	Yes
DEA	INF	C-601	Building	2,250	MB05 Steel Light Frame	1	1952	Yes
DEA	INF	C-601-A	OSF - Steam Plant Fuel Storage Tank (Center)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-601-B	OSF - Steam Plant Fuel Storage Tank (South)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-601-C	Building	148	MB05 Steel Light Frame	1	1952	No
DEA	INF	C-601-D	OSF - Fuel Storage Tank (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-602	OSF - Coal Storage Yard	N/A	N/A	N/A	N/A	N/A
REM	INF	C-603-A	Slab	72	N/A	N/A	N/A	N/A
REM	INF	C-603-B	Soil Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-603-C	Soil Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-603-D	Soil Area	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-603-E	OSF - Nitrogen Storage Tank	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
			(East)					
DEA	INF	C-603-F	OSF - Nitrogen Storage Tank (Center)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-603-G	OSF - Nitrogen Storage Tank (West)	N/A	N/A	N/A	N/A	N/A
REM	INF	C-603-H	Slab	128	N/A	N/A	N/A	N/A
REM	INF	C-603-I	Soil Area	340	N/A	N/A	N/A	N/A
DEA	INF	C-604	Building	2,400	MB05 Steel Light Frame	1	1979	Yes
DEA	INF	C-604-A	Building	290	MB02 Wood, Commercial and Industrial	1	1954	Yes
DEA	INF	C-605	Building	1,200	MB03 Steel Moment Frame	1	1953	Yes
DEA	INF	C-606	Building	1,470	MB14 Reinforcd Masny Bear Walls/Precast Concr Dphm	5	1953	No
DEA	INF	C-607	Building	2,000	MB03 Steel Moment Frame	1	1954	No
DEA	INF	C-611-A	Building	504	MB05 Steel Light Frame	1	1959	No
DEA	INF	C-611-A1	Building	504	MB05 Steel Light Frame	1	1959	Yes
DEA	INF	C-611-B	Building	1,215	MB09 Concrete Shear Walls	1	1942	No
DEA	INF	C-611-B1	Building	285	MB03 Steel Moment Frame	1	1953	No
DEA	INF	C-611-C	OSF - Flocculator Basin	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-D	OSF - Settling Basin (NE)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-E	OSF - Settling Basin (NW)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-F	OSF - Settling Basin (SE)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-F1	OSF - Secondary Coagulation Basin	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-F2	Building - Chemical Feed	589	MB05 Steel Light Frame	1	1983	No
DEA	INF	C-611-F3	Building - Activated Carbon Feed	144	MB05 Steel Light Frame	1	1959	Yes
DEA	INF	C-611-G	OSF - Settling Basin (SW)	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-611-H	Building - Filter and Pump Station	13,067	MB02 Wood, Commercial and Industrial	2	1942	Yes
DEA	INF	C-611-I	OSF - Clear Well	N/A	N/A	N/A	N/A	N/A
REM	INF	C-611-K	Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-O	OSF - Sanitary Water Storage Tank	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-P	Building	902	MB04 Steel Braced Frame	1	1953	Yes
DEA	INF	C-611-Q	Building	392	MB15 Unreinforced Masonry Bearing Walls	1	1955	No
DEA	INF	C-611-R	OSF - Water Tank-RCW Fire Water (High Pressure	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-S	Building	1,120	MB05 Steel Light Frame	1	1963	No
DEA	INF	C-611-T	OSF - Booster Pump Station Plant Water	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-T01	Trailer	670	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-611-U	OSF - Softening Facility (West)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-V	OSF - Sludge Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-V1	OSF - Sludge Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-W	OSF - Sludge Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-X	OSF - Softening Facility (East)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-Y	OSF - Recycle Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-611-Z	OSF - Flocculator Basin	N/A	N/A	N/A	N/A	N/A
REM	INF	C-612	Pilot Pump and Treat	4,480	N/A	N/A	N/A	N/A
REM	INF	C-612-A	Pad	38,700	N/A	N/A	N/A	N/A
INF	INF	C-612-B	Shelter	48	N/A	N/A	N/A	N/A
REM	INF	C-612-T01	Trailer	644	MB05 Steel Light Frame	1	1994	Yes
REM	INF	C-612-T02	Trailer	644	MB05 Steel Light Frame	1	1993	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-612-T03	Trailer	672	MB05 Steel Light Frame	1	1994	Yes
REM	INF	C-613	Basin	N/A	N/A	N/A	N/A	N/A
REM	INF	C-613-A	Trailer	539	MB05 Steel Light Frame	1	2002	Yes
REM	INF	C-613-DITCH	Water Conveyance System to C-613	N/A	N/A	N/A	N/A	N/A
REM	INF	C-614	Treatment System	N/A	N/A	N/A	N/A	N/A
REM	INF	C-614-A	Pad	2520	N/A	N/A	N/A	N/A
REM	INF	C-614-B	Well	N/A	N/A	N/A	N/A	N/A
REM	INF	C-614-C	Well	N/A	N/A	N/A	N/A	N/A
REM	INF	C-614-FENCE	Fence	516	N/A	N/A	N/A	N/A
DEA	INF	C-615	Building	806	MB14 Reinforcd Masny Bear Walls/Precast Concr Dphm	1	1952	Yes
DEA	INF	C-615-A	OSF - Primary Settling Tank	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-B	OSF - Final Settling Tank	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-C	Building	1,308	MB13 Reinforce Masn Bear Walls/Wood,Metl Deck Dphm	1	1969	Yes
DEA	INF	C-615-D	OSF - Digester	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-E	OSF - Tricking Filter	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-F	OSF - Tricking Filter Sludge Beds	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-G	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H1	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H2	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H3	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
INF	INF	C-615-H4	Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H4	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-615-H4A	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H5	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H6	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H7	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-H8	OSF - Sewage Lift Station	N/A	N/A	N/A	N/A	N/A
REM	INF	C-615-J	Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-J	OSF - Lift Station Abandoned	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-K	OSF - Chromate Lift Station (Abandoned)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-L	Building	144	MB03 Steel Moment Frame	1	1952	Yes
DEA	INF	C-615-M	OSF - Oil Control Structure	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-N	OSF - Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-615-O	Building	144	MB03 Steel Moment Frame	1	1952	Yes
DEA	INF	C-616-A	Building	2,000	MB05 Steel Light Frame	1	1978	Yes
DEA	INF	C-616-B	OSF - Clarifier (East)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-C	OSF- Lift Station	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-D	OSF - Sludge Vault and Valve Pit	N/A	N/A	N/A	N/A	N/A
REM	INF	C-616-E & F	Lagoon	1 acre	N/A	N/A	N/A	N/A
DEA	INF	C-616-F	OSF - Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-G	OSF - Tank Farm	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-H1	OSF - Ferrous Sulfate Storage Tank (East)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-H2	OSF - Ferrous Sulfate Storage Tank (West)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-J	OSF - Reduction Tank (E)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-K	Building	420	MB05 Steel Light Frame	1	1979	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-616-L	Building	96	N/A	1	1959	Yes
REM	INF	C-616-L	OSF - Effluent Control Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-M	OSF - Clarifier (West)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-N	OSF - Reduction Tank (W)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-P	OSF - Sludge Vault and Valve Pit	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-616-Q	OSF - Flyash Settling Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-617-A	Building	256	N/A	1	1953	Yes
DEA	INF	C-617-B	OSF - Effluent Control Lagoon	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-617-C	OSF - Outfall 013 Wetland & Pond	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-620	Building	10,000	N/A	1	1954	No
DEA	INF	C-631-1	Building	9,700	MB04 Steel Braced Frame	1	1952	Yes
DEA	INF	C-631-10	OSF - Asbestos Crew Storage	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-631-12	OSF - Asbestos Crew Storage	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-631-13	OSF - RCW Equipment Storage	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-631-15	Building	192	N/A	1	1953	No
DEA	INF	C-631-2	OSF - Cooling Tower	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-631-3	Building	1,196	MB09 Concrete Shear Walls	1	1959	Yes
DEA	INF	C-631-4	Building	1,540	MB05 Steel Light Frame	1	1982	Yes
DEA	INF	C-631-5	OSF - Blending Cooling Tower (West)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-631-6	OSF - Blending Cooling Tower (East)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-631-T08	Trailer	272	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-631-T09	Trailer	776	MB05 Steel Light Frame	1	1988	Yes
DEA	INF	C-631-T11	Trailer	720	MB05 Steel Light Frame	1	N/A	No
DEA	INF	C-631-T14	Trailer	320	MB05 Steel Light Frame	1	N/A	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-631-T16	Trailer	360	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-632-B	Tank	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-633-1	Building	10,245	MB04 Steel Braced Frame	1	1953	Yes
DEA	INF	C-633-2A	OSF - Cooling Tower (South)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-633-2B	OSF - Cooling Tower (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-633-3	Building	N/A	MB05 Steel Light Frame	1	1982	Yes
DEA	INF	C-633-4	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-633-5	OSF - Blending Cooling Tower (South)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-633-6	Building	260	N/A	1	1953	No
REM	INF	C-634-B	Dike	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-635-1	Building	8,505	MB04 Steel Braced Frame	1	1954	Yes
DEA	INF	C-635-2	OSF - Cooling Tower	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-635-3	Building	1,984	MB05 Steel Light Frame	1	1982	Yes
DEA	INF	C-635-4	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-635-5	OSF - Blending Cooling Tower (South)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-635-6	Building	2,556	MB05 Steel Light Frame	1	1983	Yes
DEA	INF	C-637-1	Building	10,245	MB04 Steel Braced Frame	1	1954	Yes
DEA	INF	C-637-2A	OSF - Cooling Tower (South)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-637-2B	OSF - Cooling Tower (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-637-3	Building	2,084	MB05 Steel Light Frame	1	1982	Yes
DEA	INF	C-637-4	OSF - Blending Cooling Tower (North)	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-637-5	OSF - Blending Cooling Tower	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
			(South)					
DEA	INF	C-637-6	Building	260	N/A	1	1954	No
DEA	INF	C-637-T01	Trailer	160	MB05 Steel Light Frame	1	N/A	No
DEA	INF	C-709	Building - Plant Laboratory Annex	33,000	N/A	N/A	N/A	Yes
DEA	INF	C-710	Building	84,333	MB09 Concrete Shear Walls	3	1952	Yes
REM	INF	*C-710*	Tanks	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-710-A	Building	400	N/A	1	1954	No
DEA	INF	C-710-B	Building - Storage Facility	120	N/A	N/A	N/A	No
DEA	INF	C-711	Building	962	MB05 Steel Light Frame	1	1953	No
DEA	INF	C-712	OSF - Acid Neutralization Pit	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-720	Building	299,944	MB04 Steel Braced Frame	1	1952	No
REM	INF	*C-720*	Degreaser	N/A	N/A	N/A	N/A	N/A
REM	INF	*C-720*	Pipe	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-720-A	Building	1,600	N/A	1	1953	No
DEA	INF	C-720-B	Building	1,700	MB05 Steel Light Frame	1	1975	No
DEA	INF	C-720-C	Building	28,134	MB04 Steel Braced Frame	1	1975	Yes
DEA	INF	C-720-C1	Building	5,120	MB04 Steel Braced Frame	1	1976	Yes
DEA	INF	C-720-D	Building	400	MB05 Steel Light Frame	1	1970	Yes
DEA	INF	C-720-E	Building	3,467	N/A	1	1954	Yes
DEA	INF	C-720-G	Building	10,800	MB04 Steel Braced Frame	1	1976	No
DEA	INF	C-720-H	Building	2,400	MB05 Steel Light Frame	1	1978	No
DEA	INF	C-720-J	Building	920	MB05 Steel Light Frame	1	1979	No
DEA	INF	C-720-K	Building	1,520	MB13 Reinforce Masn Bear Walls/Wood,Metl Deck Dphm	1	1979	Yes
DEA	INF	C-720-L	OSF - Oxygen Fac	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-720-M	Trailer - Computer Maintenance	1,440	MB05 Steel Light Frame	1	1953	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-720-M T01	Trailer - Computer Maintenance	224	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-720-M T02	Trailer - Computer Maintenance	224	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-720-R	Trailer - Mass Spectrometer Repair	250	MB05 Steel Light Frame	1	1953	Yes
DEA	INF	C-720-S	Trailer - Instrument Maintenance	256	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-720-T	Trailer - Electrical Maintenance	340	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-720-T08	Trailer - Mobile Office (inside C-720)	200	MB05 Steel Light Frame	1	1954	Yes
DEA	INF	C-720-U	Trailer	340	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-721	Building - Gas Manifold Storage	962	MB15 Unreinforced Masonry Bearing Walls	1	1952	Yes
DEA	INF	C-722	OSF - Acid Neutralization Pit	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-724-A	Building	3,900	MB05 Steel Light Frame	1	1954	Yes
DEA	INF	C-724-B	Building	10,215	MB04 Steel Braced Frame	1	1956	Yes
DEA	INF	C-724-C	Building	1,600	N/A	1	1954	Yes
DEA	INF	C-724-D	Building	2,880	MB05 Steel Light Frame	1	1976	No
DEA	INF	C-724-T01	Trailer - Change House Abandoned	N/A	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-725	Building	410	MB05 Steel Light Frame	1	1961	Yes
DEA	INF	C-726	Building	2,019	MB05 Steel Light Frame	1	1973	No
DEA	INF	C-727	Building	4,428	MB05 Steel Light Frame	1	1954	No
REM	INF	C-728	Building	1950	MB05 Steel Light Frame	1	1958	N/A
DEA	INF	C-729	Building	430	MB05 Steel Light Frame	1	1956	No
DEA	INF	C-730	Building	1,057	MB15 Unreinforced Masonry Bearing Walls	1	1955	Yes
INF	INF	C-730-A	Shelter	48	N/A	N/A	N/A	N/A
REM	INF	C-730-T01	Trailers	720	MB05 Steel Light Frame	1	1992	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-730-T02	Trailer	672	MB05 Steel Light Frame	1	1986	Yes
REM	INF	C-730-T06	Trailer	1,560	MB05 Steel Light Frame	1	2001	Yes
DEA	INF	C-731	Building	1,280	MB05 Steel Light Frame	1	1981	Yes
DEA	INF	C-732	Building	1,680	MB05 Steel Light Frame	1	1981	No
REM	INF	C-733	Building	4,224	MB05 Steel Light Frame	1	1985	N/A
DEA	INF	C-740-A	OSF - Semi-Trailer Unloading Facility	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-740-B	Building	2,800	MB05 Steel Light Frame	1	1975	No
DEA	INF	C-741	Building	5,360	MB04 Steel Braced Frame	1	1952	No
DEA	INF	C-742	Building	2,745	MB05 Steel Light Frame	1	1952	No
DEA	INF	C-742-B	Building	255	MB07 Steel Frame with Infill Shear Walls	1	1957	No
DEA	INF	C-743	Building	9,973	MB05 Steel Light Frame	1	1952	Yes
DEA	INF	C-743-A	Personal Property	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-743-A1	Personal Property	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-743-A2	Personal Property	N/A	N/A	N/A	N/A	N/A
INF	INF	C-743-B	OSF - Underground Storm Shelter	160	N/A	N/A	N/A	N/A
INF	INF	C-743-C	OSF - Underground Storm Shelter	96	N/A	N/A	N/A	N/A
REM	INF	C-743-T01	Trailer	1,650	MB05 Steel Light Frame	1	2009	Yes
REM	INF	C-743-T02	Trailer	1,650	MB05 Steel Light Frame	1	2009	Yes
REM	INF	C-743-T03	Trailer	1,650	MB05 Steel Light Frame	1	1994	Yes
REM	INF	C-743-T04	Trailer	1,410	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-743-T07	Trailer	672	MB05 Steel Light Frame	1	1984	Yes
REM	INF	C-743-T09	Trailer	1,650	MB05 Steel Light Frame	1	1993	Yes
INF	INF	C-743-T11	Trailer	1,600	MB05 Steel Light Frame	1	1992	Yes

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-743-T12	Trailer	1,600	MB05 Steel Light Frame	1	1992	Yes
INF	INF	C-743-T13	Trailer	1,600	MB05 Steel Light Frame	1	1992	Yes
INF	INF	C-743-T14	Trailer	1,600	MB05 Steel Light Frame	1	1992	Yes
REM	INF	C-743-T15	Trailer	1,600	MB05 Steel Light Frame	1	1992	Yes
REM	INF	C-743-T16	Trailer	1,600	MB05 Steel Light Frame	1	1992	Yes
REM	INF	C-743-T17	Trailer	1,733	MB05 Steel Light Frame	1	1994	Yes
REM	INF	C-743-T17-A	OSF - Field Support Lab Shelter	320	N/A	N/A	N/A	N/A
DEA	INF	C-744	Building - Material Handling	6,400	MB09 Concrete Shear Walls	1	1952	Yes
REM	INF	C-745-A-SW	OSF - Cylinder Storage Yard	N/A	N/A	N/A	N/A	N/A
REM	INF	C-745-C	Trailers (Cylinder Yard Storage with Trailers)	10,080	N/A	N/A	N/A	N/A
REM	INF	C-745-F	Yard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-745-J	OSF - Radioactive Material Storage Yard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-745-X	OSF - Equipment Storage Pad	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-745-Y	OSF - Equipment Storage Yard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-745-Z	OSF - Equipment Storage Yard	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-745-Z1	OSF - Construction Spoils Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-A	N Warehouse	63,000	MB05 Steel Light Frame	1	1954	No
REM	INF	C-746-A1	UST	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-A2	UST	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-B	S Warehouse	71,000	MB05 Steel Light Frame	1	1954	No
REM	INF	C-746-B1	OSF - Staging Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-C	Yard	137,997	N/A	N/A	N/A	N/A
REM	INF	C-746-C1	Yard	189,837	N/A	N/A	N/A	N/A
REM	INF	C-746-D	Yard	60,837	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-746-E	Yard	138,276	N/A	N/A	N/A	N/A
REM	INF	C-746-E1	Yard	113,280	N/A	N/A	N/A	N/A
REM	INF	C-746-F	Yard	70,002	N/A	N/A	N/A	N/A
DEA	INF	C-746-G	Building	2,400	MB05 Steel Light Frame	1	1974	Yes
DEA	INF	C-746-G-T01	Trailer	224	MB05 Steel Light Frame	1	N/A	Yes
DEA	INF	C-746-G-T02	Trailer	224	MB05 Steel Light Frame	1	N/A	No
DEA	INF	C-746-H1	OSF - PEM Storage Slab	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-746-H2	OSF - PEM Storage Slab	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-H3	Slab	56,150	N/A	N/A	N/A	N/A
REM	INF	C-746-H4	Pad	48,798	N/A	N/A	N/A	N/A
REM	INF	C-746-K	Landfill	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-L	Landfill	N/A	N/A	N/A	N/A	N/A
REM	INF	C-746-M	Building	560	MB05 Steel Light Frame	1	1954	N/A
REM	INF	C-746-N	Pad	19,800	N/A	N/A	N/A	N/A
REM	INF	C-746-P	Yard	268,749	N/A	N/A	N/A	N/A
REM	INF	C-746-P1	Yard	199,998	N/A	N/A	N/A	N/A
REM	INF	C-746-P-T01	Trailer	1,344	MB05 Steel Light Frame	1	2002	Yes
REM	INF	C-746-Q	Storage Facility	30,967	N/A	N/A	N/A	N/A
DEA	INF	C-746-Q1	Building	16,335	MB05 Steel Light Frame	1	1978	Yes
REM	INF	C-746-R	Storage Area	2,160	N/A	N/A	N/A	N/A
REM	INF	C-746-S	Landfill	5 acres	N/A	N/A	N/A	N/A
REM	INF	C-746-S1	Building	320	MB05 Steel Light Frame	1	1985	Yes
REM	INF	C-746-S-T01	Trailer	160	MB05 Steel Light Frame	1	N/A	N/A
REM	INF	C-746-T	Landfill	10 acres	N/A	N/A	N/A	N/A
REM	INF	C-746-U	Landfill	60 acres	N/A	N/A	N/A	N/A
REM	INF	C-746-U Fence	Landfill Fence	8,380	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
REM	INF	C-746-U1	Building	624	MB05 Steel Light Frame	1	1996	Yes
REM	INF	C-746-U10	Shed	392	N/A	N/A	N/A	N/A
REM	INF	C-746-U11	Shed	392	N/A	N/A	N/A	N/A
REM	INF	C-746-U12	Shed	392	N/A	N/A	N/A	N/A
REM	INF	C-746-U13	Trailer	360	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-746-U2	Building	3,048	MB05 Steel Light Frame	1	1993	Yes
REM	INF	C-746-U3	Leachate Facility	250	N/A	N/A	N/A	N/A
INF	INF	C-746-U4	Shelter	72	N/A	N/A	N/A	N/A
REM	INF	C-746-U-T14	Trailer	360	MB05 Steel Light Frame	1	2001	Yes
REM	INF	C-746-V	Waste Staging Area	9,999	N/A	N/A	N/A	N/A
DEA	INF	C-746-X	Building - Electrical Storage	5,900	N/A	N/A	N/A	N/A
REM	INF	C-747	Burial Yard	N/A	N/A	N/A	N/A	N/A
REM	INF	C-747-A	Burial Yard	16,704	N/A	N/A	N/A	N/A
REM	INF	C-747-A-T01	Trailer	500	MB05 Steel Light Frame	1	1995	Yes
REM	INF	C-747-B	Burial Yard	4,068	N/A	N/A	N/A	N/A
REM	INF	C-747-C	Area	10,197	N/A	N/A	N/A	N/A
REM	INF	C-747-D	Pad	10,000	N/A	N/A	N/A	N/A
REM	INF	C-747-E	Pad	10,000	N/A	N/A	N/A	N/A
REM	INF	C-747-F	Trailer	336	MB05 Steel Light Frame	1	N/A	N/A
REM	INF	C-747-FENCE	Fence	2124	N/A	N/A	N/A	N/A
REM	INF	C-747-T07	Trailer	336	MB05 Steel Light Frame	1	1993	N/A
REM	INF	C-748-A	Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-748-B	Area	N/A	N/A	N/A	N/A	N/A
REM	INF	C-749	Yard	N/A	N/A	N/A	N/A	N/A
INF	INF	C-750	Building	11,866	MB04 Steel Braced Frame	1	1952	Yes
REM	INF	C-750-D	OSF - Underground Storage Tank	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	C-751	OSF - Fuel Dispensing Facility	N/A	N/A	N/A	N/A	N/A
REM	INF	C-752	Pad	8,800	N/A	N/A	N/A	N/A
REM	INF	C-752-A	Storage Facility	42,000	N/A	N/A	N/A	N/A
REM	INF	C-752-A-ENC	Waste Containment Enclosure	756	N/A	N/A	N/A	N/A
REM	INF	C-752-A-T09	Trailer	440	MB05 Steel Light Frame	1	N/A	N/A
REM	INF	C-752-B	Pad	4,200	N/A	N/A	N/A	N/A
REM	INF	C-752-C	Building	7,260	MB05 Steel Light Frame	1	1993	No
REM	INF	C-752-D	Pad	1944	N/A	N/A	N/A	N/A
REM	INF	C-752-T01 THROUGH T08	Sealand Trailers	2,700	N/A	N/A	N/A	N/A
REM	INF	C-753-A	Storage Facility	32,160	N/A	N/A	N/A	N/A
DEA	INF	C-754	OSF - Low Level Waste Storage	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-754-A	OSF - Waste Mgmt Staging Area	N/A	N/A	N/A	N/A	N/A
DEA	INF	C-754-B	Building - Low Level Waste Storage	N/A	N/A	N/A	N/A	N/A
INF	INF	C-755-A	Maintenance Shop	3,630	MB05 Steel Light Frame	1	1994	Yes
INF	INF	C-755-A1	Shed	108	N/A	N/A	N/A	N/A
REM	INF	C-755-B	Building	2,400	MB05 Steel Light Frame	1	1993	Yes
REM	INF	C-755-C	Building	600	MB05 Steel Light Frame	1	1993	Yes
REM	INF	C-755-D	Guard shack	100	MB05 Steel Light Frame	1	1993	Yes
INF	INF	C-755-E	Shelter	160	N/A	N/A	N/A	N/A
INF	INF	C-755-F	Shelter	160	N/A	N/A	N/A	N/A
INF	INF	C-755-FENCE	Fence	2,264	N/A	N/A	N/A	N/A
INF	INF	C-755-G	Shelter	160	N/A	N/A	N/A	N/A
INF	INF	C-755-H	Shelter	160	N/A	N/A	N/A	N/A
INF	INF	C-755-M	Shed	120	N/A	N/A	N/A	N/A
INF	INF	C-755-P	OSF - Gravel Parking Lot	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
INF	INF	C-755-T	Shed	504	N/A	N/A	N/A	N/A
REM	INF	C-755-T01 THROUGH T09	Trailers	14,280	MB05 Steel Light Frame	1	1994	Yes
REM	INF	C-755-T10 THROUGH T12	Trailers	672	MB05 Steel Light Frame	1	1998	Yes
INF	INF	C-755-T17	Trailer	840	MB05 Steel Light Frame	1	2000	Yes
REM	INF	C-755-T19	Trailer	480	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-755-T22	Trailer	1,084	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-755-T23	Trailer	224	MB05 Steel Light Frame	1	2008	Yes
REM	INF	C-755-T24	Sealand Storage Trailer	360	N/A	N/A	N/A	N/A
INF	INF	C-755-U	Equipment sheds (8)	4,032	N/A	N/A	N/A	No
INF	INF	C-755-V	Equipment shed	270	N/A	N/A	N/A	No
DEA	INF	C-757	Building - Solid and LL Waste Processing	10,000	N/A	N/A	N/A	Yes
DEA	INF	C-757-T01	Trailer/Office	160	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-759	Area	124,893	N/A	N/A	N/A	N/A
REM	INF	C-760	Pad	N/A	N/A	N/A	N/A	N/A
REM	INF	C-764	Trailers	15,936	MB05 Steel Light Frame	1	N/A	Yes
REM	INF	C-770	Building gone	N/A	N/A	N/A	N/A	N/A
INF	INF	C-800	Building	1,620	N/A	1	1953	No
DEA	INF	C-800-T01	Trailer	N/A	N/A	N/A	N/A	N/A
INF	INF	C-801	Building	1,080	N/A	1	1953	No
DEA	INF	C-802	OSF - Meteorological Tower	N/A	N/A	N/A	N/A	N/A
INF	INF	C-802A	Building	168	N/A	1	1954	Yes
DEA	INF	C-802B	Building	24	N/A	1	1954	Yes
INF	INF	C-810	OSF - Parking Area (C-100)	N/A	N/A	N/A	N/A	N/A
INF	INF	C-811	OSF - Parking Area (C-720)	N/A	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
INF	INF	D-1	SW areas	20.6 acres	N/A	N/A	N/A	N/A
INF	INF	D-1	SW areas (1 & 3)	20.6 acres	N/A	N/A	N/A	N/A
INF	INF	E-1	Access Road	150 acres	N/A	N/A	N/A	N/A
INF	INF	F-1	Perimeter Fence	8.1 acres	N/A	N/A	N/A	N/A
INF	INF	F-10	Area east of C-611	15.5 acres	N/A	N/A	N/A	N/A
INF	INF	F-11	C-611-M area	2 acres	N/A	N/A	N/A	N/A
INF	INF	F-11	C-611-N area	2 acres	N/A	N/A	N/A	N/A
INF	INF	F-12	Area	34.2 acres	N/A	N/A	N/A	N/A
INF	INF	F-13	Road - New	50 acres	N/A	N/A	N/A	N/A
INF	INF	F-13	Road - Old	50 acres	N/A	N/A	N/A	N/A
INF	INF	F-14	Areas	4 acres	N/A	N/A	N/A	N/A
INF	INF	F-2	C-755 area	7.9 acres	N/A	N/A	N/A	N/A
INF	INF	F-3	Roads	40 acres	N/A	N/A	N/A	N/A
INF	INF	F-4	C-103 Bldg.	2.4 acres	N/A	N/A	N/A	N/A
INF	INF	F-5	Road Area	45.8 acres	N/A	N/A	N/A	N/A
INF	INF	F-6	C-743-T-17	1.3 acres	N/A	N/A	N/A	N/A
INF	INF	F-7	C-752 area	16 acres	N/A	N/A	N/A	N/A
INF	INF	F-8	C-730 area	1.8 acres	N/A	N/A	N/A	N/A
REM	INF	F-9	Landfill	18.2 acres	N/A	N/A	N/A	N/A
INF	INF	G-1	Boundary mrkrs	4 acres	N/A	N/A	N/A	N/A
REM	INF	H-1	Monitoring Wells	4 acres	N/A	N/A	N/A	N/A
REM	INF	I-1	Plumes	2.6 acres	N/A	N/A	N/A	N/A
INF	INF	K-T01	Trailer	1,440	MB05 Steel Light Frame	1	N/A	Yes
INF	INF	Railroad Tracks (C-RR, C-RR-T, C-AREA)	OSF - Railroad Tracks	21,320	N/A	N/A	N/A	N/A

Operationally Responsible	Pest Control	Facility Identification Number	Facility Type	Gross Sq.ft. – or Acreage Specified	Model Building Type	No. of Floors	Year Built	Pest Control: Facility Sealed
DEA	INF	Raw Water Supply Lines	OSF - Raw Water Supply Lines	N/A	N/A	N/A	N/A	N/A
DEA	INF	Underground Sanitary Water Lines	OSF - Underground Sanitary Water Lines	N/A	N/A	N/A	N/A	N/A
DEA	INF	Underground Sewer Lines	OSF - Underground Sewer Lines	N/A	N/A	N/A	N/A	N/A

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.6.1 Historical Records Description

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.6.1 Historical Records Description

The Paducah Gaseous Diffusion Plant (PGDP) historical record collection consists of Government-owned records in various media including, but not limited to: electronic, paper, microfilm, audiovisual (photographs, negatives, tapes, etc.), X-rays, etc. that were generated/received under prior contracts with the Department of Energy or its predecessor agencies.

A large portion of the historical records collection was previously managed by the United States Enrichment Corporation (USEC) and are located in three vaults (C-100 upstairs, C-100 downstairs and the C710) and other repositories or locations across the site. Other historical record collections also exist from prior DOE contractors; these collections are mainly paper and are located in sealands and other repositories on-site. These collections could contain record and non-record materials (approximately 85% are records).

Approximate Historical Records Volumes:

PWS Section	PWS Description	Approximate Historical Volumes
C.3.6.3	Records Management Program	Avg. Volume of Electronic Records Submitted from Contractors - 600 Documents per month
		Avg. number of boxes from DOE – 50 per year
		Estimated 573 DOE Records Disposition Schedules utilized
C.3.6.3.1	Electronic Records Management System (ERMS)	Documentum Volume 340,000 documents / 1 terabyte
		Email Volume – 1,865,111 (excludes PST's)
C.3.6.3.2	Audiovisual Records	65 GB of digital photos 500 prints
C.3.6.4.1	Electronic Information Systems (Examples include corrective action tracking systems, emergency management software, correspondence tracking, project cost planning and estimating, etc.)	85 Electronic Information Systems
C.3.6.5.3	Classified Records	Classification Reviews
C.3.6.5.4	Record Requests	FOIA – 20 per month
		Privacy Act – 15 per month
		DOE – 20
		Litigation -2 month

PWS Section	PWS Description	Approximate Historical Volumes
C.3.6.5.5	Administrative Record (also see C.3.8)	106 cubic feet paper records
		20 documents received monthly
		4,112 records (276,218 pages / 12 gigabytes)
C.3.6.5.7	Historical Records	Paper (C-100, C710) – 8,000 cubic feet
		Microfilm – 1,000 rolls
		x-rays (much of which are deteriorating) – 200 cubic feet
		Audiovisual (photographs, negatives, tapes, etc.) – 250 cubic feet
		Contaminated – 20 cubic feet
		Paper (Sealands) – 1,400 cubic feet
		Other field repositories –600 cubic feet
C.3.6.6	Records Disposition Estimated Volume of records at the Federal Records Center (FRC) and National Archives and Records Administration (NARA)	5,005 Cubic Feet (FRC Retrievals per month – 5)
		541 cubic feet are eligible for destruction
		965 electronic records (stored in Documentum) are eligible for destruction
		0 Destruction Requests to-date due to Moratorium

NOTE: Historical information provided from past infrastructure support services applies to prior contracts. No assurances are made that workload and volume of future effort and costs will replicate past experience. Historical information is provided merely for informational purposes.

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.6.5 Selected NARA Requirements

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.6.5 Selected NARA Requirements

- Transmit record(s) in Portable Document Format (PDF), or other NARA-acceptable format, with a minimum resolution of 300 ppi for temporary records.
- Transmit record(s) in Portable Document Format (PDF)/Archival PDF/A, or other NARA-acceptable format for permanent records, with a minimum resolution in accordance with NARA guidance based on record (black and white, grey scale, color, digital image, etc.)
- Transfer shall ensure validation of scanned images (e.g. page count and legibility) and include all back-up data or drafts (if applicable) that would be required to be maintained to adequately document the work performed.
- Records Management staff to perform image quality statistical sampling on transfers in accordance with a DOE-approved plan to ensure:
    - Optical character recognition process performed.
    - All text and markings are clear and legible.
    - All pages are legible or marked as "poor quality original."
    - Pages are rotated correctly.
    - Classification markings are clear and legible.
    - No security settings (e.g., encryption, passwords, and//or permissions) are included/embedded that would prevent opening, viewing, or printing a record.
    - For permanent records, if compression is needed, ensure lossless file compression technique is used (not lossy).
    - Utilize a preferred format (e.g., Portable Document Format/Archival PDF/A).
    - All embedded fonts are identified publically as being legally embeddable in a file.
- Digital photographs shall meet NARA’s requirements of a minimum resolution of 3,000 pixels across the long dimension; images that are uncompressed or which make use of lossless compression, shall be scheduled, managed and captioned as required.

o Captioning shall include an index that includes: Photo #, date taken, program category (e.g., Environmental Management), site, detailed description/caption, including names of individuals where possible. Digital photographs can be captioned utilizing the properties feature, but must also include an index to link the two. See 36 CFR 1237 and NARA Bulletin for specific requirements.

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.9.1 - Training Courses and Estimated Workload

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.9.1 - Training Courses and Estimated Workload

Course Area	*Audience*	*Number Individuals Trained per annum*	**Format*
General Access			
General Employee Training (GET)	Required on a biannual basis for all individuals at the site.	800	CBT
Business Ethics/Standards of Conduct Diversity Awareness DOE Orders/Work Smart Standards Employee Conduct Training Environmental Management Systems Overview Fire Extinguisher Training Integrated Safety Management System (ISMS) Quality Assurance Overview Workplace Violence Prevention	Consolidated Training required for all individuals employed at the site regardless of the employer.	1500	CBT
Hands On Fire Extinguisher Training	All employees choosing to attempt to extinguish a fire	400	C
Security/Cyber Security			
Annual Cyber Security Training	Required on annual basis of all individuals accessing government systems/network	1500	E

Course Area	*Audience*	*Number Individuals Trained per annum*	**Format*
Annual Refresher	Required of all cleared individuals on annual frequency.	1500	E
Site Specific Awareness	All non-DOE personnel granted unescorted access to Departmental security areas. Required for Initial visit for visitors\Annually thereafter.	1000	
Initial	All DOE Federal & Contractor employees who receive a DOE security badge must receive before they are given unescorted access to the facility/site. Required once/per employee and/or for each contractor.	250	E
Comprehensive	All Cleared Employees & Contractors Upon Receipt of a security clearance and before initial access to classified information, matter or special nuclear material. Once/per employee and/or contractors. Includes completion of Standard Form (SF) 312	300	V/C
Termination Out Brief	All Cleared Employees & Contractors at termination of employment or access to information. DOE F5631.29	200	C
Escort Responsibilities Training	All employees & contractors w/escorting responsibilities, initial then annually thereafter.	1000	C
Foreign Visits & Assignment	Hosts & Escorts on an annual basis, or when required	50	E

Course Area	*Audience*	*Number Individuals Trained per annum*	**Format*
Unclassified Controlled Information	Required annually for all employees and contractors.	1500	E
Control & Handling Export Control Information	Classification Office and Property Management. Required once for applicable individuals	15	E
Active Shooter	Required annually for all employees & contractors	1500	E
Classified Matter Protection & Control for Custodians	Required on a biannual frequency by individual for all custodians of classified storage areas	100	CBT
Classified Matter Protection & Control for Users of Classified Matter and/or Information	Required on a biannual frequency by individual for Users of Classified Matter and/or Information	400	CBT
Transportation Security	Required for all drivers, employees & contractors involved in transport of UCNI and/or classified matter prior to shipment and thereafter upon a change in security plan .	300	C
Insider Threat Awareness	Required for all employees and contractors on an annual basis.	1500	E
Privacy Awareness	Required for all employees and contractors on an annual basis.	1500	E

Course Area	*Audience*	*Number Individuals Trained per annum*	**Format*
Derivative Classifier (DC)Training	Required on a biannual basis for all DCs from all primes	30	C
Reviewing Official (RO) Training (Reviewers Trained for Reviewing UCNI)	Required on a biannual basis. All perspective RO from all primes	30	C
Occupational Health and Safety			
Radworker I	Required for access to specific sites based on PGDP policy/procedures on a biannual basis	500	CBT
Radworker II	Required for access to specific sites based on PGDP policy/procedures on a biannual basis.	700	C

NOTE: 40 hour HAZWOPER Training Course and 8 hour annual refresher is provided by others and is not the responsibility of the Contractor. Contract can access HAZWOPER training for its own employees.

*Format Key:

CBT	Computer based interactive training that is accessible through the internet
E	Electronic format, e.g. PowerPoint, information sheet, video provided via email, in person, or other means for reviewing and acknowledgement of accomplishment via email, fax, etc.
C	Instructor led classroom based training
V	Video

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.11 Minimum Labor Qualifications for EEOICPA CLIN

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.11 Minimum Labor Qualifications for EEOICPA CLIN

For performance of PWS Section C.3.11, the Contractor shall provide the following minimum labor qualifications:

EEOICPA Records Technician:

A minimum of 1 year of records management experience, plus a working knowledge of DOE requirements for EEOICPA verifications, claims processing, and EEOICPA-related records work. Database systems experience related to records management also required.

EEOICPA Derivative Classifier:

1. Degree in a relevant scientific or technical field or work experience as validated by the appointing official is required for that individual. Over 10 year experience working in association with gaseous diffusion enrichment operations and technology.

2. Be trained and tested on (a) Classification Policies and procedures, (b) Classification Guidance [e.g., DOE O 475.2A, " Identifying Classified Information"; CG-PGD-5, "Joint NRC/DOE Classification Guide"; CG-SS-4, "Classification and UCNI Guide for Safeguards and Security Information"].

3. Be an UCNI Reviewing Official and trained on guides [e.g., CG-SS-4 and DOE O 471.1B, "Identification & Protection of Unclassified Controlled Nuclear Information"]

4. Recognize Official Use Only (OUO) and trained on guide CG-SS-4 and the DOE Order and Manual for OUO [DOE O 471.3, Identifying and Protecting Official Use Only Information, and DOE M 471.3-1, Manual for Identifying and Protecting Official Use Only Information].

NOTE: Training Requirements: All Derivative Classifiers and UCNI reviewers are required to pass classification and Controlled Unclassified Information (CUI) training courses with a Final exam/Certification test. Re-testing and certification is required every two (2) years or as directed by the DOE Office of Classification.

SECTION J, ATTACHMENT J-10
EXHIBIT LINE ITEM NUMBERS (ELINs)
BASE PERIOD

CLIN 0101 - FIRM-FIXED-PRICE (OPERATIONS)		
ELIN	**Description**	**Total**
A101	C.3.2 Radiological Site Services for Others	$ 5,730,689
A102	C.3.4.2 Telecommunications and Radio Communications	3,444,226
A103	C.3.4.3 IT Support and Services	8,812,781
A104	C.3.5.1 Property Management Services	1,790,634
A105	C.3.5.3 Maintenance of Buildings, Structures, Installed Equipment, and Furnishings	7,122,488
A106	C.3.5.4 Custodial Maintenance and Sanitary Waste Disposal	10,219,825
A107	C.3.5.5 Grounds Maintenance	4,984,232
A108	C.3.5.6 Paved, Gravel and Earth Roads, and Yards	389,046
A109	C.3.5.7 Snow and Ice Prevention/Removal	3,308,322
A110	C.3.5.8 Railroad System Maintenance and Repair	458,393
A111	C.3.5.9 Pest Control Services	71,857
A112	C.3.6 Records Management and Document Control	6,682,678
A113	C.3.7 Mail Services	403,382
A114	C.3.8 Reserved	
A115	C.3.9 Training Services	1,079,803
A116	C.3.10 On-Site Fuel Station	257,187
	Total CLIN 0101 ELINs:	**$ 54,755,542**

CLIN 0201 - FIRM-FIXED-PRICE (SECURITY)		
ELIN	**Description**	**Total**
A201	C.3.3 Safeguards and Security	$ 14,248,339
A202	C.3.4.1 Cyber Security	1,763,117
	Total CLIN 0201 ELINs:	**$ 16,011,456**

CLIN 0301 - LABOR HOUR (EEOICPA)					
ELIN	**Description**	**Estimated Quantity**	**Unit of Measure**	**Fixed Hourly Rate**	**Total Price**
A301	EEOICPA Records Technician	11,280	Hours	$ 55.08	$ 621,302
A302	EEOICPA Derivative Classifier	3,000	Hours	61.20	183,600
				Total CLIN 0301 ELINs:	**$ 804,902**

CLIN 0401 - COST REIMBURSEMENT		
ELIN	**Description**	**Total**
A401	C.4.1 Benefit Plans	$ 900,000
A402	C.4.2 Utilities	1,440,000
A403	C.4.3 DOE Physicals	18,000
A404	C.4.4 Replacement of Government Furnished Property	720,000
A405	C.4.5 IFMS Vehicles	675,000
A406	C.4.6 Software Licenses	2,550,000
	Total CLIN 0401 ELINs:	**$ 6,303,000**

SECTION J, ATTACHMENT J-10
EXHIBIT LINE ITEM NUMBERS (ELINs)
BASE PERIOD

CLIN 0501 - INDEFINITE DELIVERY/INDEFINITE QUANTITY						
ELIN	**Description**	**Description Extended**	**Estimated Quantity**	**Unit of Issue**	**Unit Price**	**Extended Price**
A501	Unit Priced Labor Work Service Contract Act (SCA) Wage Labor	Performance of indefinite quantity unit priced labor to perform LEVEL II work (C.3.5.2) in excess of the limit of liability; or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Task order completion times will be specified on each task order.	500	LH	$ 42.49	$ 21,245
A502	Unit Priced Labor Work Davis-Bacon Act (DBA) Wage Labor	Performance of indefinite quantity unit priced labor to perform LEVEL II work (C.3.5.2) in excess of the limit of liability; or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Task order completion times will be specified on each task order.	7,000	LH	46.97	328,790
A503	Unit Priced Labor Work Collective Bargaining Agreement (CBA) Wage Labor	Performance of indefinite quantity unit priced labor to perform LEVEL II work (C.3.5.2) in excess of the limit of liability; or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Task order completion times will be specified on each task order.	15,000	LH	62.63	939,450
A504	Material Cost	Provide all materials to perform Unit Priced Labor work per the scope and delivery schedule specified in the order, including LEVEL II work (C.3.5.2) in excess of the limit of liability or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Material requirements shall include a list of materials establishing the size, quality, number of units, and unit prices. This material is to support unit priced labor work.	1	LS	1,500,000	1,500,000
A505	Grass Cutting, Special Event	The Contractor shall provide all labor and materials to mow areas. Vegetation shall be mowed and trimmed to a uniform height of three inches. Clippings and debris shall be removed. Work shall be performed in accordance with the requirements of C.3.5.5, Grounds Maintenance. Complete all work within three calendar days.	100	AC	70.32	7,032
A506	Heavy Bush Hogging	The Contractor shall provide all labor and materials to complete heavy bush hogging activities. Work shall be completed within 60 calendar days or as specified on the task order.	200	AC	29.04	5,808
A507	Railroad Tie Replacement	The Contractor shall provide all labor, materials, and services, to include disposal of removed rail ties and other waste, to complete railroad tie replacements. The contractor shall comply with the requirements of Section 3.5 and the Manual for Railway Engineering in the purchase and installation of railroad ties. Work shall be completed within 60 calendar days or as specified on the task order.	250	EA	7,325.96	1,831,490
A508	Rail Section Replacement	The Contractor shall provide all labor, materials, and services, to include disposal of waste, to complete rail section replacements. The contractor shall comply with the requirements of Section 3.5 and the Manual for Railway Engineering in the purchase and installation railroad sections. Work shall be completed within 60 calendar days or as specified on the task order.	500	LF	200.23	100,115
A509	Reserved	Reserved				
A510	Vegatation Control of Surfaced Areas	Chip and Seal surfaced areas are shown on Attachment J-8.C.3.5.5a. These surfaced areas were established to serve as a dust palliative (or suppressive area) to adjacent areas. The surfaced area(s) have degraded with areas where grass, weeds, and woody stems have begun to grow. The Contractor shall eliminate vegetation growth in these areas through the application of an approved herbicide, or other means as approved by the government. The Contractor shall maintain these areas free of vegetation growth for one year from initial treatment. Unit of Measure is square yard.	213,000	SY	0.04	8,520

A511	DUF6 Project Radiological Services	The Contractor shall provide Dosimetry services to the DUF6 Project in accordance with the requirements in C.3.2.3. DOSIMETRY PROGRAM. Workload quantities for DUF6 are 220 active personnel for dosimetry, 6 PNADs for visitors, and 120 BioAssays per year. The Contractor shall attain the historical dosimetry records since inception for the DUF6 Project. The Contractor shall integrate those records into the dosimetry program for current and past monitored individuals. These dosimetry records include: • internal and external dosimetry records located on Oak Ridge National Laboratory, • dose assessments for lost or bad reads on TLDs, • special bioassay results, and • personnel contamination reports. Records exist for approximately 400 individuals to be processed.	36	MONTH	2,142.09	77,115
A512	Engineering Support	Provide additional engineering support services, which may include, but are not limited to, site excavation/penetration permits, drafting services, and general engineering support for activities that are not covered in Section 3.0.	1,000	HOUR	119.65	119,650
A513	Security Support	Provide additional programmatic security support services, which may include, but are not limited to, tasks comparable to the tasks identified in PWS Section C.3.3.	5,000	HOUR	97.90	489,500
A514	IT Support	Provide additional IT support services, which may include, but are not limited to, tasks comparable to the tasks identified in PWS Section C.3.4.	5,000	HOUR	56.76	283,800
					Total CLIN 0501 IDIQ ELINs:	**$ 5,712,515**

SECTION J, ATTACHMENT J-10
EXHIBIT LINE ITEM NUMBERS (ELINs)
OPTION PERIOD

CLIN 0102 - FIRM-FIXED-PRICE (OPERATIONS)		
ELIN	**Description**	**Total**
B101	C.3.2 Radiological Site Services for Others	$ 3,724,372
B102	C.3.4.2 Telecommunications and Radio Communications	2,199,352
B103	C.3.4.3 IT Support and Services	5,664,867
B104	C.3.5.1 Property Management Services	1,102,265
B105	C.3.5.3 Maintenance of Buildings, Structures, Installed Equipment, and Furnishings	4,173,278
B106	C.3.5.4 Custodial Maintenance and Sanitary Waste Disposal	6,025,827
B107	C.3.5.5 Grounds Maintenance	3,233,209
B108	C.3.5.6 Paved, Gravel and Earth Roads, and Yards	244,462
B109	C.3.5.7 Snow and Ice Prevention/Removal	1,981,134
B110	C.3.5.8 Railroad System Maintenance and Repair	312,281
B111	C.3.5.9 Pest Control Services	43,396
B112	C.3.6 Records Management and Document Control	3,926,434
B113	C.3.7 Mail Services	251,838
B114	C.3.8 Reserved	
B115	C.3.9 Training Services	702,793
B116	C.3.10 On-Site Fuel Station	159,804
	Total CLIN 0102 ELINs:	**$ 33,745,314**

CLIN 0202 - FIRM-FIXED-PRICE (SECURITY)		
ELIN	**Description**	**Total**
B201	C.3.3 Safeguards and Security	$ 9,026,000
B202	C.3.4.1 Cyber Security	1,130,074
	Total CLIN 0202 ELINs:	**$ 10,156,074**

CLIN 0302 - LABOR HOUR (EEOICPA)					
ELIN	**Description**	**Estimated Quantity**	**Unit of Measure**	**Fixed Hourly Rate**	**Total Price**
B301	EEOICPA Records Technician	7,520	Hours	$ 54.43	$ 409,314
B302	EEOICPA Derivative Classifier	2,000	Hours	60.48	120,960
				Total CLIN 0302 ELINs:	**$ 530,274**

CLIN 0402 - COST REIMBURSEMENT		
ELIN	**Description**	**Total**
B401	C.4.1 Benefit Plans	$ 600,000
B402	C.4.2 Utilities	960,000
B403	C.4.3 DOE Physicals	12,000
B404	C.4.4 Replacement of Government Furnished Property	480,000
B405	C.4.5 IFMS Vehicles	450,000
B406	C.4.6 Software Licenses	1,700,000
	Total CLIN 0402 ELINs:	**$ 4,202,000**

SECTION J, ATTACHMENT J-10
EXHIBIT LINE ITEM NUMBERS (ELINs)
OPTION PERIOD

CLIN 0502 - INDEFINITE DELIVERY/INDEFINITE QUANTITY						
ELIN	**Description**	**Description Extended**	**Estimated Quantity**	**Unit of Issue**	**Unit Price**	**Extended Price**
B501	Unit Priced Labor Work Service Contract Act (SCA) Wage Labor	Performance of indefinite quantity unit priced labor to perform LEVEL II work (C.3.5.2) in excess of the limit of liability; or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Task order completion times will be specified on each task order.	500	LH	$ 41.99	$ 20,995
B502	Unit Priced Labor Work Davis-Bacon Act (DBA) Wage Labor	Performance of indefinite quantity unit priced labor to perform LEVEL II work (C.3.5.2) in excess of the limit of liability; or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Task order completion times will be specified on each task order.	7,000	LH	46.42	324,940
B503	Unit Priced Labor Work Collective Bargaining Agreement (CBA) Wage Labor	Performance of indefinite quantity unit priced labor to perform LEVEL II work (C.3.5.2) in excess of the limit of liability; or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Task order completion times will be specified on each task order.	15,000	LH	60.60	909,000
B504	Material Cost	Provide all materials to perform Unit Priced Labor work per the scope and delivery schedule specified in the order, including LEVEL II work (C.3.5.2) in excess of the limit of liability or specific maintenance, repair and alteration work that cannot be identified in sufficient detail to be included under the firm fixed-price portion of the contract. Material requirements shall include a list of materials establishing the size, quality, number of units, and unit prices. This material is to support unit priced labor work.	1	LS	1,500,000	1,500,000
B505	Grass Cutting, Special Event	The Contractor shall provide all labor and materials to mow areas. Vegetation shall be mowed and trimmed to a uniform height of three inches. Clippings and debris shall be removed. Work shall be performed in accordance with the requirements of C.3.5.5, Grounds Maintenance. Complete all work within three calendar days.	100	AC	65.89	6,589
B506	Heavy Bush Hogging	The Contractor shall provide all labor and materials to complete heavy bush hogging activities. Work shall be completed within 60 calendar days or as specified on the task order.	200	AC	27.22	5,444
B507	Railroad Tie Replacement	The Contractor shall provide all labor, materials, and services, to include disposal of removed rail ties and other waste, to complete railroad tie replacements. The contractor shall comply with the requirements of Section 3.5 and the Manual for Railway Engineering in the purchase and installation of railroad ties. Work shall be completed within 60 calendar days or as specified on the task order.	250	EA	8,147.01	2,036,753
B508	Rail Section Replacement	The Contractor shall provide all labor, materials, and services, to include disposal of waste, to complete rail section replacements. The contractor shall comply with the requirements of Section 3.5 and the Manual for Railway Engineering in the purchase and installation railroad sections. Work shall be completed within 60 calendar days or as specified on the task order.	500	LF	197.87	98,935
B509	Reserved	Reserved				
B510	Vegatation Control of Surfaced Areas	Chip and Seal surfaced areas are shown on Attachment J-8.C.3.5.5a. These surfaced areas were established to serve as a dust palliative (or suppressive area) to adjacent areas. The surfaced area(s) have degraded with areas where grass, weeds, and woody stems have begun to grow. The Contractor shall eliminate vegetation growth in these areas through the application of an approved herbicide, or other means as approved by the government. The Contractor shall maintain these areas free of vegetation growth for one year from initial treatment. Unit of Measure is square yard.	213,000	SY	0.04	8,520

B511	DUF6 Project Radiological Services	The Contractor shall provide Dosimetry services to the DUF6 Project in accordance with the requirements in C.3.2.3. DOSIMETRY PROGRAM. Workload quantities for DUF6 are 220 active personnel for dosimetry, 6 PNADs for visitors, and 120 BioAssays per year. The Contractor shall attain the historical dosimetry records since inception for the DUF6 Project. The Contractor shall integrate those records into the dosimetry program for current and past monitored individuals. These dosimetry records include: • internal and external dosimetry records located on Oak Ridge National Laboratory, • dose assessments for lost or bad reads on TLDs, • special bioassay results, and • personnel contamination reports. Records exist for approximately 400 individuals to be processed.	22	MONTH	2,309.34	50,805
B512	Engineering Support	Provide additional engineering support services, which may include, but are not limited to, site excavation/penetration permits, drafting services, and general engineering support for activities that are not covered in Section 3.0.	1,000	HOUR	118.24	118,240
B513	Security Support	Provide additional programmatic security support services, which may include, but are not limited to, tasks comparable to the tasks identified in PWS Section C.3.3.	5,000	HOUR	103.77	518,850
B514	IT Support	Provide additional IT support services, which may include, but are not limited to, tasks comparable to the tasks identified in PWS Section C.3.4.	5,000	HOUR	57.49	287,450
					Total CLIN 0502 IDIQ ELINs:	**$ 5,886,521**

Portsmouth/Paducah Project Office

U.S. Department of Energy



QUALITY ASSURANCE
SURVEILLANCE PLAN

Paducah Infrastructure Support Services

DE-EM0003733

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ACRONYMS

ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
AQL	Acceptable Quality Level
CER	Contractor Evaluation Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	*Code of Federal Regulations*
CLIN	Contract Line Item Number
CMMS	Computerized Maintenance Management System
CNSS	Committee on National Security Systems
CO	Contracting Officer
COR	Contracting Officer Representative
CP	Contingency Plan
DOE	Department of Energy
EIC	Environmental Information Center
EIS	Electronic Information System
ELIN	Exhibit Line Item Number
ERMS	Electronic Records Management System
FOIA	Freedom of Information Act
FRA	Federal Railroad Administration
GSA	General Services Administration
IR	Incident Response
IT	Information Technology
NARA	National Archives and Records Administration
NFPA	National Fire Prevention Association
NQA-1	Nuclear Quality Assurance -1
PA	Privacy Act
PGDP	Paducah Gaseous Diffusion Plant
PRS	Performance Required Summary
PWS	Performance Work Standard
O	Order
QAE	Quality Assurance Evaluators
QAP	Quality Assurance Plan
QASP	Quality Assurance Surveillance Plan
RCRA	Resource Conservation and Recovery Act
RMAIP	Risk Management Approach Implementation Plan
RMFO	Records Management Field Officer
TYSP	Ten Year Site Plan
WSHP	Worker Safety and Health Program

SECTION 1: INTRODUCTION

1.1 Background

Section C of DE-SOL-0006383, *Paducah Infrastructure Support Services*, is the Performance Work Statement (PWS) which specifies what work is to be performed by the Infrastructure Contractor. Appendix A, Performance Requirements Summary (PRS), specifies work performance standards for the nineteen (19) identified contract line item numbers (CLIN), exhibit line item numbers (ELIN), and functional areas of the PWS. Other work required under this contract may be monitored and other contractual remedies taken by the Government as needed.

1.2 Purpose

This Quality Assurance Surveillance Plan (QASP) describes the procedures the U.S. Department of Energy (DOE) Quality Assurance Evaluator(s) (QAE) will use to monitor and evaluate the Contractor's performance. As the contract is considered a performance-based approach to the required tasks in the PRS found in Appendix A, it is important to note the primary concern of the DOE is with the product and service results provided by the Contractor and not with the procedures used to produce them. Therefore, the QASP focuses on examining the Contractor's product and service results and not the processes used to produce them. It is intended that the QASP be a tool to guide the QAEs in assessing Contractor performance. In some cases specific metrics are used to measure Contractor performance; in other cases subjective judgment and evaluation by DOE personnel will be the determining criteria. This plan describes the methodology utilized to conduct both quantitative and qualitative evaluation of Contractor performance under the contract.

1.3 QASP Relation to the Contract

DOE will retain the right to change the surveillance methods and Quality Assurance (QA) procedures, or to increase or decrease the degree of surveillance efforts at any time necessary to assure contract compliance. A copy of the QASP may be provided to the Contractor to enable the Contractor to enhance its Quality Program and ensure it is performed in accordance with its Quality Assurance Plan (QAP) and its associated Quality Implementation Plan (QIP).

1.4 QASP Relation to the QAP

The Contractor's QAP [Section C.2.2.4 *Quality Assurance*] is a required element that will be submitted to DOE following the notice to proceed (NTP). In defining its QAP, the Contractor is required to prepare an organizational-specific QIP describing how the requirements of the QAP are implemented and flowed down to lower tier organizations. The implementation of QAP requirements shall be in accordance with the applicable QIP. DOE expects the implementation of the Contractor's QAP requirements, as transcribed specifically in the QIP, be sufficient in meeting the PRS as presented in Appendix A. While the QAP represents the way in which the Contractor will ensure its quality and timeliness of services, as defined in the PWS, the QASP represents the way in which DOE will evaluate the Contractor's performance. The Contractor's QAP and the QASP should be complementary programs that ensure successful Contractor performance.

1.5 Revisions to the QASP

The QASP is a tool for use in Government administration of the contract and remains subject to revision at any time by the Government throughout the contract performance period. Revisions to this surveillance plan are the responsibility of the Contracting Officer (CO) or designee. Changes may be made unilaterally at the discretion of the Government.

As the performance period progresses, the levels of surveillance may be altered for service areas in cases where performance is either consistently excellent or consistently unsatisfactory. If observations reveal consistently satisfactory performance, then the amount of surveillance may be reduced. If observations reveal consistent deficiencies, increased surveillance may be implemented.

SECTION 2: PERFORMANCE DESCRIPTION

Performance of the Contractor will be monitored through various surveillance methods described in Section 4: *Performing Quality Assurance*. Performance data gathered will be evaluated to assess Contractor performance against contract requirements.

2.1 Performance Standards and Acceptable Quality Levels

For selected activities in the PWS, the PRS provides a performance standard and an acceptable quality level (AQL). A performance standard is the required level of Contractor performance. An AQL defines the level of performance that is satisfactory. Depending on the service evaluated and the evaluation method selected, performance standards and AQLs may be stated as a number of occurrences or as a percentage. Performance standards and AQLs for random sampling and 100 percent inspection are generally stated as percentages. For periodic inspections, performance standards may be stated as either percentages, or as absolute numbers.

The contract requires the Contractor to perform all work as specified. Any inaccuracies or omissions in services or products are referred to as "defects" on the part of the Contractor. The Contractor shall be held responsible for all identified defects, and DOE may require a contractor to re-perform the work at no cost to the Government. The AQLs take into account that in some instances an allowable level of deficiency (deviation) is possible while overall performance continues to meet DOE's desired level of service.

2.1.1 Allowable Deviation

The AQLs define the level or number of performance deficiencies the Contractor is permitted to reach under this contract. AQLs take into account the difference between an occasional defect and a gross number of defects. AQLs can be expressed as a percentage of or as an absolute number (e.g., three per month). There may be instances where 100 percent compliance is required, and no deviation is acceptable (e.g., where safety is involved).

2.1.2 Substantially Complete

In some cases, service outputs are evaluated using subjective values (e.g., satisfactory, marginal, unsatisfactory). The criteria for acceptable performance and for defects must be defined for these service outputs. The concept of "substantially complete" should be the basis for inspections based on subjective scales.

Work is considered "substantially complete" when there has been no significant departure from the terms of the contract and no omission of essential work. In addition, the Contractor has performed the work required to the best of its ability and the only variance consists of minor omissions or deficiencies.

2.2 Non-performance

Non-performance occurs when the Contractor's performance does not meet the AQL for a given requirement. Requirements may contain multiple performance elements; therefore, deficiencies may occur in one or more aspects of performance (e.g., timeliness, accuracy, completeness, etc.) or subject areas of effort.

When surveillance indicates that the Contractor's service output is not in compliance with the contract requirements, the QAE must determine whether the Contractor or the Government caused the deficiency. If the cause of the defect rests with the Government, corrective action must be taken through Government channels. If the cause of the defect is due to action or inaction by the Contractor, the Contractor is responsible for correction of the problem at no additional expense to the Government.

2.2.1 Documentation

All observed work activities shall be documented, both acceptable performance and non-performance. Thorough documentation of unperformed or poorly performed work is essential for tracking Contractor performance throughout the period of performance. The QAEs, as trained evaluators, will document deficient work by compiling facts describing the inspection methods and results. A sample documentation reporting form is provided in Appendix B: *Contract Evaluation Report*. The Contracting Officer's Representative (COR) and QAEs will develop documentation to substantiate nonconformance with the contract. The documentation, together with any recommendations, will be forwarded to the COR. The COR will decide whether to elevate the problem to the CO for corrective action.

2.2.2 Remedial Actions

The Federal Acquisition Regulation (FAR) allows for remedies in the event that the Contractor fails to perform the required services.

For a Contractor, the Government may require the Contractor to correct services that failed to meet contract requirements. If the Contractor fails to proceed with reasonable promptness to perform the required corrective action, the Government may (i) by contract or otherwise, perform the correction, charge to the Contractor any increased cost, or deduct such increased cost from any amounts paid or due under the contract; or (ii) terminate the contract for default. The deductions included in Appendix A are considered to be commensurate with the value of the associated services.

SECTION 3: ROLES AND RESPONSIBILITIES

The purpose of QA is to ensure that the Government and customers are satisfied with the products and services received from the Contractor and to ensure that the Contractor is meeting its contractual obligation to DOE. The roles and responsibilities of the stakeholders involved in QA are described below.

3.1 Contractor Responsibility

The Contractor is responsible for delivering products or services in accordance with the contract. The Contractor is responsible for implementing its QAP, which is incorporated in the contract. The QAP describes the Contractor's methods for ensuring all products and services provided under the contract meet established performance standards and AQLs. The Contractor is responsible for producing, maintaining, and providing for audit, quality assurance/control records and reports and all records associated with the investigation and resolution of customer complaints. The Contractor should appoint a single quality assurance point-of-contact to act as a central recipient of communication with the Government.

3.2 Government Responsibility

This section of the QASP briefly defines the duties and responsibilities of key Government personnel involved in contract administration and quality assurance. The key personnel who will be responsible for QASP input are the CO, the COR, the QAEs, and the Contractor's customers.

3.2.1 Contracting Officer

The CO has the authority to administer the contract. The CO may delegate many of the day-to-day contract administration duties to the COR and QAEs. However, certain contractual actions such as negotiation and issuance of contract modifications, resolution of Contractor claims and disputes, issuance of cure notices (notification that unless unacceptable performance is corrected, the Government may terminate the contract for default in accordance with FAR 49.607), issuance of show-cause letters (following a cure notice, requesting facts bearing on the case), termination of the contract, and contract close-out functions are retained by the CO. Administrative actions such as invoice approval and issuance of Contract Evaluation Reports (CER) may be, and normally are, delegated by the CO to the COR. All communication regarding questions or issues related to the QASP will be directed to the CO or the COR. The CO shall approve any revision to the QASP processes or standards.

3.2.2 Contracting Officer Representative

The COR is a federal employee and is designated by name and/or position to act as a liaison between the Government and the Contractor on all issues pertinent to the daily operation of the Contract. The COR represents the CO in the COR functions and therefore is the Contractor's initial point-of-contact with the Government. In turn, the COR may delegate some of his/her responsibilities, such as supervision of the QAEs, to another individual in the organization in order to ensure that the QA function is properly executed. If modifications to the contract are necessary, the COR will assist the CO in preparing and negotiating the modifications. If there are problems with Contractor performance, the COR will inform the Contractor of the problems and recommend to the CO that adverse contractual actions are appropriate (e.g., cure notice) if the Contractor fails to correct the problem. Also, the COR must refer differences of contract interpretation to the CO.

3.2.3 Quality Assurance Evaluators

The QAEs play a key role in contract administration. They serve as the on-site representative of the CO and the COR. The QAEs perform the actual contract surveillance and report to the COR. Some of the key contract administration duties of QAEs include, but are not limited to, the following:

- Performing surveillance as required by this QASP, and making recommendations to the COR for issuance of Contractor Contract Discrepancy Reports or letters of commendation;
- Making recommendations to the COR for the acceptance or rejection of completed work and for administrative actions based on unsatisfactory work or non-performed work;
- Assisting the COR in identifying necessary contract modifications;
- Making recommendations to the COR for changes to the QASP; and
- Assisting the COR in preparing reports of Contractor performance and cost.

The QAEs have only the authority delegated to them in writing by the COR and/or CO. They have no authority to direct or to allow the Contractor to deviate from contract requirements. The QAEs also have no authority to direct or interfere with the methods of performance by the Contractor or to issue directions to any Contractor personnel. These actions are reserved for the CO or the COR.

The QAEs may use the form provided in Appendix D: *Sampling Guide/Inspection Checklist* for each service requirement to be inspected, or such other forms as approved by the COR. This checklist includes the specific tasks to be checked and whether the inspection results in a Contractor rating of excellent, satisfactory, or unsatisfactory performance. Overall guidance is also provided by the Inspection and Acceptance clauses in the contract.

3.2.4 Customers

Customers are the various organizations supported by the Contractor. Customers may be requested to assist the QAEs and COR by providing information on Contractor performance through a Customer Feedback Program. The information gained from the Customer Feedback Program may be used in conjunction with other methods of observation to rate the performance of the Contractor.

SECTION 4: PERFORMING QUALITY ASSURANCE

4.1 Surveillance Methods

The surveillance methods used in the QA process are the tools the Government uses to monitor the Contractor's products and services. The best means of determining whether the Contractor has met all contract requirements is to inspect the Contractor's service products and analyze the results. Further, documented inspection results are an effective tool in contract administration. Inspections either confirm the Contractor's successful achievement of all performance requirements or highlight areas where defects exist and improvements are necessary.

The surveillance methods described below include: 100 percent inspection, periodic inspection, random sampling, and customer feedback. The number of inspections conducted may be reduced in those instances where the Contractor has established a good performance record. In cases of poor performance, DOE may increase the level of surveillance and focus on known problem areas. In either case, the reasons for the change in surveillance will be documented.

The AQL when expressed as a percentage represents the percentage of inspected items that must be acceptable to meet the AQL. It does not represent the percentage of items inspected. The surveillance method describes how the AQL will be evaluated (i.e., 100%, periodic, random, etc.). The deduction represents the monetary deduction for not meeting the AQL, either in a percentage of the line item cost or a flat deduction. The surveillance frequency represents how often the deduction can be applied based on contractor performance.

4.1.1 100 Percent Inspection

The 100 percent inspection method provides for a complete inspection of the Contract requirement, and may be used for requirements that are especially critical. Evaluation schedules for 100 percent inspections will be prepared on a time determined basis – usually monthly but may be adjusted by the Government depending on the Contractor activity and scheduling of inspections.

4.1.1.1 Performance Standards and AQLs

The performance standards and AQLs may be stated as either percentages or absolute numbers.

4.1.1.2 Evaluation Procedures

Observed defects for a service monitored by 100% inspection are compared to the performance standard and AQL.

4.1.2 Periodic Inspection

Periodic inspection provides a systematic way of looking at service outputs and forming conclusions about the Contractor's level of performance in accordance with a planned schedule of surveillance. Evaluation by periodic inspection is designed to inspect some, but not all of the products and services being monitored.

4.1.2.1 Application

Specific contract requirements that are to be monitored are selected for evaluation prior to their scheduled accomplishment. Periodic inspection differs from random sampling in the way in which samples are selected – periodic inspection sample selection is based on some subjective rationale and sample sizes will vary. With this type of evaluation, the QAEs are able to direct efforts to those areas where inspections are most needed, and the Contractor knows that those areas are more likely to be monitored than others. Periodic inspection, as compared with random sampling, provides a less sound statistical means of making comparisons between observed and overall performance, and the Contractor's overall level of performance. Periodic inspection is generally used in two ways. First, it can provide a one-time subjective evaluation of Contractor performance. Second, it can be used to detect a change in the Contractor's level of performance (i.e., trend analysis). This method requires that the sample selection criteria be well documented and consistently applied from period to period, and that there are no other intervening factors. The cost of periodic inspections varies with the level of inspections. Such latitude is important to manage limited resources and focus inspections on known or suspected problems areas.

4.1.2.2 Performance Standards and AQLs

Performance standards and AQLs are usually stated in terms of the number of defects detected per time period (e.g., three times per month). There is no specific relationship between sample size and performance standard/AQL. However, when the AQL is expressed as a percentage, it is recommended that the maximum sample size be chosen such that one defect does not exceed the AQL. This requirement does not apply to AQLs that require 100% compliance.

4.1.2.3 Evaluation Procedures

The levels of evaluation appropriate for periodic inspection are judgmental. In order to perform trend analysis from periodic inspection, criteria for sample selection should be applied consistently from period to period. To ensure valid results, the QAEs will use periodic inspection evaluation sheets and follow a detailed inspection schedule. Schedules may be developed monthly to coincide with the Contractor's monthly schedule of work, and regularly updated after receiving the Contractor's definitive weekly schedule. Observed defects for services monitored by periodic inspection will be totaled at the end of each month. For each service, the total number of defects will be compared to the performance standard and AQL.

4.1.3 Random Sampling

Random sampling evaluation is a quality assurance method designed to evaluate some, but not all, of a specific contract requirement. This method, based on statistical principles, estimates the Contractor's overall level of performance for a given contract requirement based on a representative sample drawn from a population. Random Sampling is most often used when the number of occurrences of a service is very high.

4.1.3.1 Application

The random sampling procedures may be based on those set by the American National Standards Institute (ANSI). The random sampling procedures should consider the AQL (maximum allowable deviation from the performance standard), the level (intensity) of the evaluation effort, and the population size. There are two ways of applying random sampling for QA surveillance. The first is used only for performance evaluation and allows deductions to be taken only for observed defects; the second is random sampling for performance evaluation and deduction projection (also called extrapolated deductions), which allows deductions against the whole population based on the inspection of the sample. To obtain valid results, random sampling procedures must be followed precisely.

4.1.3.2 Performance Standards and AQLs

Performance standards and AQLs may be specified as percentages or absolute numbers.

4.1.3.3 Evaluation Procedures

Random Sampling is based solely on a statistical analysis whereby a conclusion is drawn about a population based on a randomly selected sample of that population. For the conclusion to be valid, the sample selected must be representative of the population. A truly representative sample can be achieved by ensuring that the sample is selected randomly and the size of the sample is sufficient. A conclusion about Contractor performance can then be made based on the representative sample drawn.

4.1.4 Customer Feedback

Verified and validated customer feedback is a quality assurance method based on customer and Contractor interaction. Customers continually receive the outputs of Contractor performance and are in a position to evaluate the Contractor on a recurring basis. Because customers have a clear stake in the quality of Contractor services they are a valuable resource for the QAEs and COR.

4.1.4.1 Application

Customers are made aware of contract requirements and monitor the services provided by the Contractor, both positive and negative. Where there is a case of poor performance or non-performance, customers notify the QA Lead or QAEs. The QAEs then investigate the report and, if found to be valid, document their findings. The numbers of complaints and resulting inspections depend upon customer awareness and response. If the complaint is valid and caused by poor performance or non-performance by the Contractor, the Contractor must take appropriate corrective action. A valid complaint is one in which the QAE confirms that poor performance or non-performance violates contract requirements.

4.1.4.2 Customer Feedback Process

Upon contract award, the COR or CO will send correspondence to all or selected customer points-of-contact. These letters will inform them of the need for their active participation in the overall Quality Assurance Surveillance Program. The COR will also provide a Customer Feedback Record (sample found in Appendix C) for the customer to use to either document performance problems or identify when superior services are received.

The QAEs will validate the Customer Feedback Records submitted. It is primarily the responsibility of the Contractor to investigate each complaint to determine the problem. While QAEs can also investigate customer complaints, the responsibility for initial review shall remain with the Contractor. At the discretion of the Government, the QAE will investigate problems from customer groups and complaints involving major problems with services being provided.

The Contractor shall take action when a Customer Feedback Record is received. If a valid complaint exists, the Contractor shall re-perform the product or service. The Contractor may use the complaint as an indicator that the Quality Control Program needs improvement. Corrective actions shall be implemented to prevent the recurrence of similar problems in the future or detect and fix such problems before a product or service is delivered to a customer. If the customer complaint is found to be invalid, the COR shall educate the customer regarding contract requirements as they pertain to the customer's expectations.

4.1.4.3 Evaluation Procedure

The Contractor shall report verified and validated complaints each month, so the QAEs may review the submitted complaints and formulate action items if necessary. Trend analysis may be used to test for variations in the number of complaints received each month and identify changes in Contractor performance.

4.2 Analysis and Results

When the inspections and customer feedback record validations have been completed, the QAEs will perform an analysis of the Contractor's performance. The analysis may also be performed by independent/oversight groups with subject matter knowledge in the respective field. The purpose of the analysis is to ensure that DOE is receiving high-quality products and services from the Contractor. QAEs will review the results of the Contractor rating, and characterize the Contractor's overall performance. Analysis of all types of contract monitoring will result in one of the following outcomes: satisfactory performance, marginal performance, or unsatisfactory performance.

The surveillance frequency listed in the PRS (see Appendix A) represents the frequency the surveillance may, but necessarily, be performed. Surveillance frequency may be increased or decreased at the discretion of the Government with, or without, notice to the Contractor.

4.2.1 Satisfactory Performance

When the Contractors performance is satisfactory, the performance meets acceptable quality levels and deficiencies are correctable without adverse impact to mission accomplishment or customer activities. Strengths and weaknesses in performance are on balance where any deficiencies are identified and corrected immediately by the Contractor.

4.2.2 Marginal Performance

Performance meets some but does not meet all contractual requirements. The contractual performance of the task and sub-task being assessed reflect a potential serious problem for which the contractor has not yet identified corrective actions. The Contractor's proposed actions appear only marginally effective or were not fully implemented.

4.2.3 Unsatisfactory Performance

When the performance for any service does not meet the AQL, the Contractor's performance is unsatisfactory, and is therefore unacceptable. The following responses are available to the COR regarding that task/subtask:

- The CO and/or COR meet with the Contractor to discuss discrepancies, trends, complaints, and intended corrective measures;
- The level of surveillance is increased until the Contractor demonstrates acceptable performance over a period of time;
- The COR issues a contract discrepancy report for each service that does not meet its AQL;
- Should deficiencies be significant and affect multiple requirements, CO action such as a 'Cure' notice may be appropriate.

SECTION 5: REFERENCES

DE-SOL-0006383, *Paducah Infrastructure Support Services*

APPENDIX A:
PERFORMANCE REQUIREMENTS SUMMARY

The performance standards and AQLs in the (19) tables below will be used to measure the performance of the Contractor. The nineteen (19) tables are applicable to CLINs, ELINs and the functional areas of the PWS:

1. CLIN 001; C.3.1, Contract Transition
2. ELIN *A101; C.3.2, Radiological Site Services for Others
3. ELIN *A102; C.3.4.2, Telecommunications and Radio Communications
4. ELIN *A103; C.3.4.3, IT Support and Services
5. ELIN *A104; C.3.5.1, Property Management Services
6. ELIN *A105; C.3.5.3, Maintenance of Buildings, Structures, Installed Equipment, and Furnishings
7. ELIN *A106; C.3.5.4, Custodial Maintenance and Sanitary Waste Disposal
8. ELIN *A107; C.3.5.5, Grounds Maintenance
9. ELIN *A108; C.3.5.6, Paved, Gravel and Earth Roads, and Yards
10. ELIN *A109; C.3.5.7, Snow and Ice Prevention/Removal
11. ELIN *A110; C.3.5.8, Railroad System Maintenance and Repair
12. ELIN *A111; C.3.5.9, Pest Control Services
13. ELIN *A112; C.3.6, Records Management and Document Control
14. ELIN *A113; C.3.7, Mail Services
15. ELIN *A115; C.3.9, Training Services
16. ELIN *A116; C.3.10, On-Site Fuel Station
17. ELIN *A201; C.3.3, Safeguards and Security
18. ELIN *A202; C.3.4.1, Cyber Security
19. CLIN 002; C.3.12, Contract Closeout

*The ELIN will vary depending on which contract period the contractor is currently in. For example, A101 through A202 is for the base period of the contract. For any subsequent option period, the ELIN for that contract period will be used.

QAEs will monitor Contractor performance using the guidelines in Section 4 above, together with the PRS tables below, and the PWS sections referred to in the PRS. The PRS includes performance standards and AQLs for selected PWS sections that are intended to be representative of the entire PWS. In the process of monitoring Contractor performance, the QAEs and the COR may improve the PRS by developing changes to the standards and AQLs or by developing standards and AQLs for different PWS sections. Such changes to the PRS will be documented and shared with the Contractor.

These measurements will also apply to all provisions in the contract. Contractor performance results may be posted to an internal DOE website. The Contractor shall be required to comply with all terms and provisions of the contract, including the PWS and Technical Exhibits (TE).

Per the Fixed Price Inspection of Services clause (FAR 52.246-4), the Government may reduce the contract price to reflect the reduced value of the services performed. The specific deductions identified within Appendix A reflect the intended impact to Contractor payments, but additional deductions may be taken from Contractor payments if warranted by significant defects in services provided.

The tables in Appendix A cover firm-fixed-price work included under Section C.3.0 of the PWS. Additional deliverables are included under Section C.2.0 of the PWS, Management and Administration. In accordance with the Fixed Price Inspection of Services Clause, the Government may also reduce the contract price to reflect the reduced value of services performed for deliverables under Section C.2.0, and the contract price reduction will be commensurate with the reduced value of services.

In addition, the tables in Appendix A include a number of deliverables and official submittals, including Contractor programs, plans, policies and procedures. All required deliverables must be sufficiently complete, accurate, concise, and satisfactory. This specifically includes (but is not limited to) deliverables requiring approval by DOE.

The Minimum Acceptable Quality Levels (AQLs) included within Appendix A are based on the surveillance frequency.

1. Contract Transition (C.3.1)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Contract Transition**. Surveillances are anticipated to be conducted by QAEs on a scheduled basis. If the Performance Standard is not applicable at the time of surveillance, the inspection report will note "N/A" with QAE explanation.

Table 1: Contract Transition Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency
C.2.1	For DOE approval, the Contractor shall submit a Deliverable Schedule within 10 calendar days after NTP.	For documents requiring DOE approval, the schedule shall allow for the submission of a draft document to DOE for review and comment, and a final document for DOE approval. For documents requiring approval from an outside (i.e., non-DOE) organization, the schedule shall allow for the submission of a draft document for DOE review and comment, the submission of a draft document addressing DOE comments to the outside organization for review and comment, and a final document for approval by the outside organization.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.1	For DOE approval, the Contractor shall submit a Worker Safety and Health Program (WSHP) within 40 calendar days after NTP.	The WSHP is compliant with the requirements of 10 *Code of Federal Regulations* (*CFR*) § 851.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
*C.2.2.2	For DOE approval, the Contractor shall submit a Radiation Protection Program within 40 calendar days after NTP.	The Radiation Protection Program is compliant with the requirements of 10 *CFR* § 835 and DOE Order (O) 458.1.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.2	For DOE approval, the Contractor shall submit an Environmental Radiological Protection Program within 40 calendar days after NTP.	The Environmental Radiological Protection Program is compliant with the requirements of DOE O 458.1.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency
C.2.2.3	For DOE approval, the Contractor shall submit an Integrated Safety Management System Description within 40 calendar days after NTP.	The Integrated Safety Management System Description is compliant with the requirements of DEAR 970.5223-1 and DOE G 450.4-1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.4	For DOE approval, the Contractor shall submit a Quality Assurance Program within 30 calendar days after NTP.	The Quality Assurance Program is compliant with the requirements EM-QA-001.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.4	For DOE approval, the Contractor shall submit a Quality Assurance Implementation Plan within 30 calendar days after NTP.	The Quality Assurance Implementation Plan describes how the requirements of the QAP are flowed down to lower tier organizations.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.5	For DOE approval, the Contractor shall submit a Contractor Assurance System within 40 calendar days after NTP.	The Contractor Assurance System is compliant with the requirements of DOE O 226.1B.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.6	For DOE approval, the Contractor shall submit a Building/Project Emergency Contingency Plan (for the assigned facilities listed in Attachment J-8.C.3.0) within 40 calendar days after NTP.	The Building/Project Emergency Contingency Plan is compliant with the requirements of DOE O 151.1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.6	For DOE information, the Contractor shall submit facility specific Emergency Plan Implementing Procedures (for the assigned facilities listed in Attachment J-8.C.3.0) within 40 calendar days after NTP.	The Emergency Plan Implementing Procedures are compliant with the requirements of DOE O 151.1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency
C.2.2.6	For DOE approval, the Contractor shall submit a Hazard Survey for Infrastructure Facilities/Activities (for the assigned facilities listed in Attachment J-8.C.3.0) within 40 calendar days after NTP.	The Hazard Survey(s) for Infrastructure facilities/activities is/are compliant with the requirements of DOE O 151.1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.6	For DOE approval, the Contractor shall submit an Emergency Planning Hazard Assessment (for the assigned facilities listed in Attachment J-8.C.3.0) within 40 calendar days after NTP.	The Emergency Planning Hazard Assessment for Infrastructure facilities/activities is/are compliant with the requirements of DOE O 151.1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.6	For DOE information, the Contractor shall submit Paducah Site/Facility-Specific Emergency Action Levels (for the assigned facilities listed in Attachment J-8.C.3.0) within 30 calendar days after NTP.	The Emergency Planning Hazard Assessment for Infrastructure facilities/activities is/are compliant with the requirements of DOE O 151.1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.6	For DOE information, the Contractor shall submit Emergency Management Readiness Assurance program (for the assigned facilities listed in Attachment J-8.C.3.0) within 40 calendar days after NTP.	The Emergency Management Readiness Assurance program for Infrastructure facilities/activities is/are compliant with the requirements of DOE O 151.1C.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.10	For DOE approval, the Contractor shall submit a Waste Management Plan within 40 calendar days after NTP.	The Waste Management Plan is compliant with the requirements of DOE O 435.1.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.2.2.10	For DOE approval, the Contractor shall submit a Pollution Prevention Plan within 40 calendar days after NTP.	The Pollution Prevention Plan is compliant with the requirements of Executive Order 13423 and Executive Order 13514.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency
C.3.1	Key personnel identified in Section H.26 shall be onsite during the transition period.	Key personnel identified are onsite during transition period.	Key personnel onsite 90% of working business days.	100% Inspection	$500.00 for each absence above the AQL, each business day.	Monthly until end of Transition
C.3.1	For DOE approval, the Contractor shall submit a Transition Plan within 15 calendar days after NTP.	The Transition Plan includes a description of all activities necessary to execute all sections of the Contract, a listing of involved organizations, and a schedule.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date.	Single surveillance review of deliverable
C.3.1	Until the contract transition is complete, the Contractor shall provide weekly Transition Status Reports to DOE.	The weekly Transition Status Report includes all activities necessary to execute a successful transition.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date.	Monthly until end of Transition
C.3.1	The Contractor shall complete all transition activities resulting in a successful transition within contractual time frames.	All activities complete resulting in successful transition 60 days following NTP.	100%; Successful completion of transition activities within 60 days following NTP.	100% Inspection	$1,000.00 for each calendar day that completion of transition is delayed.	Following successful transition
C.3.3.1.2	For DOE approval, the Contractor shall submit a Site Security Plan within 40 calendar days after NTP.	The Site Security Plan is compliant with the requirements of DOE O 470.4B.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.4.1.3	For DOE approval, the Contractor shall submit a System Security Plan within 40 calendar days after NTP.	The System Security Plan is compliant with the requirements of DOE O 205.1B.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency
C.3.5.4.3	For DOE approval, the Contractor must submit a Space Cleaning Plan within 60 calendar days after NTP.	The Space Cleaning Plan incorporates appropriate sections of Attachment J-8.C.3.5.4b.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.5.5.4	For DOE approval, the Contractor shall submit a Mowing Plan within 60 calendar days after NTP.	The Mowing Plan includes a mowing map and annual schedule.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.5.7.3	For DOE approval, the Contractor shall submit a Snow and Ice Removal Plan within 60 calendar days after NTP.	The Snow and Ice Removal Plan includes all required information in C.3.5.7.3.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.5.8.3.2	For DOE approval, the Contractor shall submit an Active Railroad Track Service Schedule within 30 calendar days after NTP.	The Active Railroad Track Service Schedule includes all required information in C.3.5.8.3.2.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.9.2	For DOE approval, the Contractor shall submit Training Course Content and Training Schedule within 60 calendar days after NTP.	The deliverable includes all Training Course Content and Schedule.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable

* **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for deliverable of a Radiation Protection Program in Section C.2.2.2 will be evaluated as follows: The deliverable shall be submitted for approval by the government within 40 calendar days after NTP and must be compliant with 10 *CFR* § 835 and DOE O 458.1. If these requirements are not met, then a $500 deduction for each business day the deliverable is past its due date shall be applied to the Contractor payment. If the deliverable is deemed not accurate or complete by the government, a $500 deduction for each day (after the Government deems the deliverable not accurate or complete) shall be applied to the Contractor payment (until resubmittal of the deliverable).

2. Radiological Site Services for Others (C.3.2)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Radiological Site Services for Others**.

Table 2: Radiological Site Services Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.2.2	The Contractor completes calibration, maintenance, and repairs of personnel and environmental radiological monitoring and surveying equipment assigned to other site contractors.	The radiological instrumentation inventory provided in Section J, Attachment J-8.C.3.2.2 is calibrated in accordance with of 10 *CFR* § 835 and DOE O 458.1.	95% of instrumentation properly maintained and no more than two valid customer complaints concerning equipment maintenance.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
**C.3.2.2	Computerized Maintenance Management System (CMMS) or other approved system utilized to schedule and document calibration, maintenance, and repairs of radiological equipment.	An approved electronic system is used to schedule and document completion of all maintenance and calibration activities.	95% of instrumentation maintenance records are maintained in CMMS.	Periodic and Random Inspection	$500.00 for each deficiency above the AQL.	Monthly
C.3.2.3	The Contractor shall develop, maintain, and execute an internal and external bioassay program. The Contractor shall provide bioassays and baseline bioassays as needed by DOE, its contractors, and subcontractors.	The bioassay program meets the requirements of DOELAP and be compliant with 10 *CFR* § 835 Subpart E.	No more than two deficiencies identified on a DOELAP assessment and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	10% of applicable ELIN	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for CMMS to be used for scheduling and documenting calibration, maintenance and repairs of radiological equipment in Section C.3.2.2 will be evaluated as follows: The Contractors CMMS program will be periodically and randomly inspected by QAEs identified by the government. 95% of inspected records for these instruments shall be located in CMMS. If the quantity of records located in CMMS does not meet or exceed 95%, a $500 deduction for each record below the 95% level shall be applied to the Contractor payment.

3. Telecommunications and Radio Communications (C.3.4.2)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Telecommunications and Radio Communications**.

Table 3: Telecommunications and Radio Communications Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.4.2	The Contractor shall operate and maintain the Paducah site telephone switching system, transmission equipment, and ancillary equipment in a serviceable condition.	The Paducah site telecommunications system is available 24 hours per day, 7 days per week.	Two interruptions in service.	Observation	10% of applicable ELIN and $5,000.00 per day out of service above the AQL	Monthly
C.3.4.2.1	The Contractor shall provide voice mail operations to DOE and site contractors. This includes management and administration for multiple customers. The contractor shall submit a detailed report of voicemail usage (mailboxes, used space, free space).	The Contractor's Monthly Progress Report as required by Section C.2.4.1 includes all described information.	Deliverable contains 100% of requested information.	100% Inspection	$500.00 for each business day deliverable is past due date.	Monthly deliverable review
**C.3.4.2.4	The Contractor shall maintain the FCC radio frequency license, tower, transmission, and radio repair/replacement services. This includes managing radio services, including radio spectrum licensing and design.	The radio system is operational 24 hours per day, 7 days per week.	Two interruptions in radio service.	Observation	10% of applicable ELIN and $5,000.00 per day out of service above the AQL	Monthly
C.3.4.2.5	The Contractor shall provide reliable electronic notification service to individual personnel associated with the Paducah Gaseous Diffusion Plant (PGDP) emergency response organizations.	The electronic notification system is operational 24 hours per day, 7 days per week.	100% operational with no interruptions.	Periodic and Random Inspection, Customer Feedback	15% of applicable ELIN	Monthly
C.3.4.2.7	The Contractor shall perform maintenance and repair of all installed data/communication lines up to and including the end user receptacle.	The Contractor makes repairs to data/communication lines within a reasonable timeframe.	95% of inspected areas and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
C.3.4.2.10	For DOE approval, the Contractor shall submit a Restoration Priority List within 120 calendar days after NTP.	The Restoration Priority List includes all required information in C.3.4.2.10.	Deliverable provided per the Deliverable Schedule in C.2.1 and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to provide the FCC radio frequency license, tower, transmission, and radio repair/replacement services in Section C.3.4.2 will be evaluated as follows: The radio system is required to be operational 24 hours per day, 7 days per week. The AQL is two interruptions of service per month. If the radio service has more than two interruptions per month, 10% of the applicable ELIN will be deducted from Contractor payment and an additional $5,000 per day of lost service will be deducted from the Contractor payment.

4. IT Support and Services (C.3.4.3)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Information Technology (IT) Support and Services**.

Table 4: IT Support and Services Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
**C.3.4.3.2.10	The Contractor shall operate a help desk to ensure operational issues of local systems and applications are responded to and properly resolved.	The Contractor submits a Helpdesk Ticket Report as part of the Monthly Progress Report required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	Deliverables review	10% of applicable ELIN	Monthly deliverable review
C.3.4.3.1.1	The Contractor shall provide, for DOE and ETS contractor, equipment and services to ensure continuous copier, printer, and scanner operations for identified facilities.	The contractor submits a detailed report of copier, printer and scanner page and consumables usage monthly as part of the Monthly Progress Report required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	Deliverables review	5% of applicable ELIN	Monthly deliverable review
C.3.4.3.2.11	The Contractor shall provide application portfolio management services to ensure efficient and appropriate utilization of applications required licenses.	The contractor submits a detailed report of site software and system licenses as part of the Monthly Progress Report required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	Deliverables review	5% of applicable ELIN	Monthly deliverable review

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to operate the help desk in Section C.3.4.3.2.10 will be evaluated as follows: The Contractor is required to submit a monthly Helpdesk Ticket Report. The AQL is the deliverable is on-time and contains all of the required information. If the report doesn't contain the required information, 10% of the applicable ELIN will be deducted from the Contractor payment.

5. Property Management Services (C.3.5.1)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Property Management Services**.

Table 5: Property Management Services Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
**C.3.5.1.1.2	The Contractor shall provide intra-site/inter-office relocation of Paducah site personnel.	The Contractor provides office relocation services in a timely manner.	No more than one valid customer complaint with relocation services.	Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.1.1.3	The Contractor shall coordinate with other DOE contractors at the Paducah Site to maintain and input data to the FIMS database.	Site data is inputted to the FIMS database in accordance with DOE O 430.1B.	95% of required data is input to FIMS.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.1.1.4	Annual Ten Year Site Plan (TYSP) drafted in accordance with annual guidance, submitted to and approved by EM Headquarters as required.	The TYSP is drafted in accordance with DOE O 430.1B.	Deliverable provided is technically accurate and complete.	Deliverables review	10% of applicable ELIN	Annual deliverable review
C.3.5.1.2	The Contractor shall coordinate and provide disposition support for Government owned personal property determined to be excess for all PGDP site contractors and DOE operations.	Property is excessed or disposed in accordance with DOE O 580.1A and DOE O 458.1.	100% property excessed or disposed of in accordance with applicable orders.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.1.3	Contractor shall coordinate site-wide statistical usage tracking and reporting on General Services Administration (GSA) leased and DOE-owned equipment; Pick-up, transportation and return of GSA vehicles to/from a GSA approved vendor for maintenance and repairs; Notification and coordination of required maintenance to GSA vehicle lessee (e.g., other site contractors and DOE); and access and use of a maintained and operable vehicle (i.e., Asset ID E112427 as shown in Section J, Attachment J-3, Paducah Infrastructure Accountable Property List).	The Contractor provides listed fleet management services for vehicles listed in Section J, Attachment J-8.C.3.5.1.3.	100% statistical usage reported and 95% of vehicles current on maintenance and repairs.	Periodic and Random Inspection	5% of applicable ELIN	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to provide office relocation for Paducah site personnel in Section C.3.5.1.1.2 will be evaluated as follows: The Contractor is required to provide office relocation services in a timely manner. The Contractor or QAEs may receive customer complaints on the Contractor performance. The AQL is one valid customer complaint per month. If the Contractor or QAEs identify more than one valid customer complaint, 5% of the applicable ELIN will be deducted from the Contractor payment.

6. Maintenance of Buildings, Structures, Installed Equipment, and Furnishings (C.3.5.3)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Maintenance of Buildings, Structures, Installed Equipment, and Furnishings**.

Table 6: Maintenance of Buildings, Structures, Installed Equipment, and Furnishings Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.3.1	The Contractor shall provide new or factory reconditioned parts and components when providing maintenance, repair, and minor improvements. If such parts and/or components are no longer produced or available, it is reasonable to presume that, with Government approval, other means or other sources could be utilized.	All maintenance activities use new or factory reconditioned parts and components.	100% of parts and components are new or factory refurbished.	Periodic and Random Inspection	$500.00 for each deficiency	Monthly
**C.3.5.3.1	The Contractor shall notify the building occupants in writing in advance of any scheduled work to be performed in a facility that will tend to disrupt the conduct of normal business activities.	Notification to building occupants occurs at least two (2) business days prior to the disruption.	No more than one valid customer complaint.	Periodic and Random Inspection, Customer Feedback	$500.00 for each deficiency above the AQL.	Monthly
C.3.5.3.2.1	The Contractor shall develop a comprehensive PM program for assigned buildings, structures, and installed equipment.	The PM program is developed from applicable original equipment manufacturer manuals, inspection checklists, manufacturer's standards, industry standards, and commercial guides.	95% of PM activities are derived from identified sources.	Periodic and Random Inspection	$500.00 for each deficiency.	Monthly
C.3.5.3.2.3	The Contractor shall operate and maintain all HVAC systems for assigned facilities.	HVAC systems listed in Attachment J-8 are repaired within a reasonable timeframe.	95% of HVAC systems are operational.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.4	The Contractor shall operate and maintain the fueling facility on-site.	The fueling facilities listed in Attachment J-8 are repaired within a reasonable timeframe.	Fueling facilities operational 95% of the time.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.5	The Contractor shall operate and maintain active overhead and rolling door systems.	Overhead and rolling door systems listed in Attachment J-8 are repaired within a reasonable timeframe.	95% of overhead and rolling door systems are operational.	Periodic and Random Inspection	5% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.3.2.6	The Contractor shall operate and maintain active elevator systems.	Elevator systems listed in Attachment J-8 are repaired within a reasonable timeframe.	95% of elevator systems are operational.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.7	The Contractor shall operate and maintain active refrigeration systems.	Refrigeration systems are repaired within a reasonable timeframe.	95% of refrigeration systems are operational.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.8	The Contractor shall perform re-lamping in occupied designated facilities.	Lighting systems are repaired within a reasonable timeframe.	95% of lighting fixtures are operational.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.9	The Contractor shall perform architectural and traffic signage maintenance, repair, replacement, and alterations.	Architectural and traffic signage are maintained in accordance with local, state, and federal DOT directives and regulations.	95% of signage is correctly posted and maintained.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.10	The Contractor shall perform security fence and wire cage maintenance and repairs for locations described in Attachment J-8.	All gates/fences/cages are maintained secure, and all hinges and locking devices kept in good working order.	100% of security fence/gates properly maintained or adequately posted until repairs are made.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.3.2.12	The Contractor shall maintain, inspect, test, and repair/replace all portable fire extinguishers.	All inspections shall be performed in accordance with National Fire Prevention Association (NFPA) Code 10, "Standard for Portable Fire Extinguishers.	100% of fire extinguishers are maintained, inspected, tested and repaired/replaced.	Periodic and Random Inspection	$100.00 for each deficiency	Monthly
C.3.5.3.3	The Contractor shall perform LEVEL II Service Order work as defined in Section C.3.5.2.	All work is performed in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to notify the building occupants in writing in advance of any scheduled work to be performed in a facility that will tend to disrupt the conduct of normal business activities in Section C.3.5.3.1 will be evaluated as follows: The Contractor is required to notify the building occupants in writing two days in advance of any scheduled work that would disrupt normal business activities. The AQL is no more than one valid customer complaint per month. If the Contractor or QAEs identify more than one valid customer complaint, $500 for each additional complaint will be deducted from the Contractor payment.

7. Custodial Maintenance and Sanitary Waste Disposal (C.3.5.4)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Custodial Maintenance and Sanitary Waste Disposal**.

Table 7: Custodial Maintenance and Sanitary Waste Disposal Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.4.2	The Contractor shall purchase and use cleaning products containing recovered materials that are EPA-designated items to the greatest extent practicable.	Cleaning products are EPA-designated as containing recovered materials.	90% of inspected products are properly designated.	Periodic and Random Inspection	$100.00 for each deficiency above the AQL.	Monthly
C.3.5.4.2	The Contractor shall post warning signs and barricades in areas of floor care operations, as appropriate, to ensure personnel safety.	Warning signs are posted when hazards are introduced by floor care operations.	100% of inspected areas contain appropriate signs.	Periodic and Random Inspection	$200.00 for each deficiency above the AQL.	Monthly
C.3.5.4.3	The Contractor shall report deviations from the space cleaning plan into the weekly maintenance report.	All deviations to the space cleaning plan are reported in the weekly report.	100% of deviations to the space cleaning plan are captured in the weekly report.	100% Inspection	$500.00 for each deficiency.	Monthly
C.3.5.4.3.1	The Contractor shall perform space cleaning in accordance with C.3.5.4.3.1.	The Contractor ensures the spaces are clean, sanitary and sightly.	95% of inspected areas acceptable and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.4.3.2	The Contractor shall perform floor care in accordance with C.3.5.4.3.2.	The Contractor ensures the floor care maintains the floors clean, sanitary and sightly.	95% of inspected areas acceptable and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
**C.3.5.4.4	The Contractor shall perform LEVEL II Service Order work as defined in Section C.3.5.2.	All work is performed in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.4.3.3	The Contractor shall perform break room area service in accordance with C.3.5.4.3.3.	The Contractor services all break rooms to ensure they are clean, sanitary, sightly and stocked with sufficient supplies, such as soap, paper towels, and similar items.	95% of inspected areas and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.4.3.4	The Contractor shall perform restroom services in accordance with C.3.5.4.3.4.	The Contractor services all restrooms to ensure they are clean, sanitary, sightly and stocked with sufficient supplies.	95% of inspected areas and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.4.3.5	The Contractor shall be responsible for pickup and disposition of sanitary waste, including disposition of sanitary waste.	The Contractor disposes of up to ten (10) dumpsters at or around the PGDP.	95% of inspected areas and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.4.3.5	The Contractor shall perform waste collection and disposal in accordance with C.3.5.4.3.5.	The Contractor separately collects and manages recyclable and consumer hazardous waste generated by the Contractor from other waste streams in accordance with the waste minimization program.	95% of inspected areas and no more than two valid customer complaints.	Periodic and Random Inspection, Customer Feedback	5% of applicable ELIN	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to perform LEVEL II service order work in Section C.3.5.4.4 will be evaluated as follows: The Contractor is required to provide LEVEL II service order work. The AQL is for all work to be performed in accordance with the service order. A QAE will inspect a portion of the service order work. If it is determined the work was not performed in accordance with the service, 10% of the service order cost will be deducted from the Contractor payment (until such time the Government determines the work is completed in accordance with the service order).

8. Grounds Maintenance (C.3.5.5)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Grounds Maintenance**.

Table 8: Grounds Maintenance Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.5.3.1	The Contractor shall remove any trash, paper, or other debris prior to mowing/cutting that detracts from the finished appearance of the area or present a safety hazard.	Trash is removed prior to mowing areas.	95% of inspected areas free of trash.	Periodic and Random Inspection	2% of applicable ELIN	Monthly
C.3.5.5.3.2	The Contractor shall trim grass/vegetation around utilities, fences, utility poles, lightning protection poles, guy wires, sign posts, fire hydrants, buildings, electrical structures, plastic and concrete jersey barriers, and parking lot bumpers.	Objects within the mowing zone are trimmed around.	95% of inspected areas are properly trimmed.	Periodic and Random Inspection	2% of applicable ELIN	Monthly
C.3.5.5.3.3	The Contractor shall control the height of vegetation to less than 36 inches in deep ditches where water regularly accumulates and it is impractical to enter with mowers.	Grass height is maintained less than 36 inches tall.	95% of inspected areas less than 36 inches tall.	Periodic and Random Inspection	2% of applicable ELIN	Monthly
C.3.5.5.3.4	The Contractor shall remove or blow off grass clippings and leaves (not trash) deposited by the mowing operation from sidewalks, concrete porches, building aprons, streets, etc.	Clippings are properly removed following mowing activities.	95% of inspected areas have clippings properly removed.	Periodic and Random Inspection	2% of applicable ELIN	Monthly
C.3.5.5.3.5	The Contractor shall coordinate with the other site contractors prior to the performance of work activities that might impact its operations.	Mowing activities that may interfere with other contractor activities are coordinated appropriately.	No more than one observed defect or valid customer complaint.	Periodic and Random Inspection, Customer Feedback	2% of applicable ELIN	Monthly
C.3.5.5.3.6	The Contractor shall prevent scalping, uneven mowing, or rutting by the equipment and shall take care not to damage trees and shrubs.	Scalping and damage to trees and shrubs is prevented.	No more than one observed defect or valid customer complaint.	Periodic and Random Inspection, Customer Feedback	2% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.1) ZONE I.	Vegetation is maintained to a height of 6 inches or less.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
**C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.2) ZONE II.	Vegetation is maintained to a height of 12 inches or less for non-radiological areas and 36 inches or less for radiological areas.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.3) ZONE III.	Vegetation is maintained no less than every 30 calendar days to maintain vegetation/grass at a height of 18 inches or less for non-radiological areas and 36 inches or less for radiological areas.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.1) ZONE IV.	Vegetation is maintained no less than every 30 calendar days to maintain vegetation at a height of 18 inches or less.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.5) ZONE V.	Vegetation is maintained on a biannual basis to prevent woody growth.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.5) ZONE VI.	Vegetation is maintained on an annual basis to prevent woody growth.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.5) ZONE VII.a.	Vegetation is maintained on the outside of the fence to a height of twelve (12”) inches or less to create a clearance of approximately fifty (50’) feet from the exterior of the fence to the surrounding tree line, subject to the limitations of the terrain.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.5) ZONE VII.b.	Vegetation is controlled to a distance of twenty (20’) feet either side of the fence to a height of twelve (12”) inches or less.	95% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.3	The Contractor shall maintain a mowed, debris free, and pest controlled (e.g. chiggers) pathway that lead to National Emission Standards for Hazardous Air Pollutants (NESHAP) air monitors.	Maintained path is no less than 3 feet wide and with a vegetation height not to exceed 4 inches.	85% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.4	The Contractor shall provide an access route and mow around the groundwater wells based on the Remediation contractor’s sampling schedules.	Maintained area is at least 10 foot radius circle with a vegetation height not to exceed 4 inches.	90% of inspected locations meet requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.5.5.6	Shrubs and hedges shall be fertilized with a 23-10-5 fertilizer mixture two (2) times a year.	Shrubs are fertilized once the spring (prior to June 1) and once in the fall (prior to October 15).	90% of inspected locations meet requirements.	Periodic and Random Inspection	2% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.5.5.6	Shrubs and hedges in the Zone I Area(s) shall be pruned annually.	Shrubs and hedges are pruned between May 15 and October 15.	90% of inspected locations meet requirements.	Periodic and Random Inspection	2% of applicable ELIN	Monthly
C.3.5.5.6	The Contractor shall perform LEVEL II Service Order work.	All work is performed in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to perform mowing/vegetation control in accordance with Section C.3.5.5.5.2 will be evaluated as follows: The Contractor is required to provide mowing/vegetation control. The AQL is for 95% of inspected areas to be properly maintained. A QAE will inspect a portion of the areas and if it is determined that 95% of the areas are not mowed properly maintained, 5% of the applicable ELIN will be deducted from the Contractor payment.

9. Paved, Gravel and Earth Roads, and Yards (C.3.5.6)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Paved, Gravel and Earth Roads, and Yards**.

Table 9: Paved Gravel and Earth Roads, and Yards Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.6.3.2	The Contractor shall utilize the CMMS to document deficiencies resulting from inspections.	All deficiencies are documented in CMMS.	95% of deficiencies documented in CMMS.	Periodic and Random Inspection	$500.00 for each deficiency above the AQL.	Monthly
C.3.5.6.3.3	During the month of May, the Contractor shall inspect all surfaced areas and related structures and prepare an Inspection Report.	All areas inspected and Inspection Report documents any issues found.	90% of areas documented in the Inspection Report.	Deliverable Review	10% of applicable ELIN	Single surveillance review of the deliverable
**C.3.5.6.3.4	The Contractor shall grade Unpaved Roads and Parking Areas to level ruts and washes, fill in low areas, and cut down high areas, to achieve the specified grade and slope.	Road maintenance is performed 2 times each year, once in the spring and once in the fall.	90% of unpaved roads properly maintained.	Periodic and Random Inspection	10% of applicable ELIN	Semi-Annual
C.3.5.6.3.4	During the month of May, the Contractor shall inspect all unpaved roads, parking areas and ancillary structures and prepare an Inspection Report.	All areas inspected and Inspection Report documents any issues found.	90% of areas documented in the Inspection Report.	Deliverable Review	10% of applicable ELIN	Annual
C.3.5.6.3.5	The Contractor shall inspect and repair damaged inlet gratings, clean catch basins, drop inlets, manholes, culverts, inlet headwalls, and exits and similar structures on a regular schedule.	The drainage system is maintained to ensure proper runoff.	90% of inspected locations meet requirements.	Random Inspection	5% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.6.3.6	The Contractor shall inspect vehicular bridges and provide results of the inspection.	Inspection are performed in accordance with the requirements of 23 *CFR* § 650.301 bi-annually and documented with an Inspection Report.	90% of areas documented in the Inspection Report.	100% inspection	15% of applicable ELIN	Monthly
C.3.5.6.3.7	The Contractor shall perform vegetation control on areas adjacent to paved, gravel and earth roads, and yards.	Vegetation Control is performed per the requirements of C.3.5.5, Grounds Maintenance.	90% of inspected locations meet requirements.	Random Inspection	5% of applicable ELIN	Monthly
C.3.5.6.4	The Contractor shall perform LEVEL II Service Order work.	All work is performed in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to grade unpaved roads in accordance with Section C.3.5.6.3.4 will be evaluated as follows: The Contractor is required to grade unpaved roads two times each year. The AQL is for 90% of inspected unpaved roads to be properly maintained. A QAE will inspect a portion of the areas and if it is determined that 90% of the unpaved roads are not properly maintained, 10% of the applicable ELIN will be deducted from the Contractor payment.

10. Snow and Ice Prevention/Removal (C.3.5.7)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Snow and Ice Prevention/Removal**.

Table 10: Snow and Ice Prevention/Removal Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.7.2	The Contractor shall capture all anti-icing and de-icing activities in CMMS, distinguishing between removal and prevention.	All activities are documented in CMMS within 5 days of the completion of the event.	95% of activities documented in CMMS.	Periodic and Random Inspection	$500.00 for each deficiency above the AQL.	Monthly
C.3.5.7.3	The Contractor shall submit an updated Snow and Ice Removal Plan annually for review and approval to the Government by August 30th.	The Snow and Ice Removal Plan includes all required information in C.3.5.7.3.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
**C.3.5.7.4	The Contractor shall plow in a manner that does not create a safety hazard and does not obstruct sidewalks, streets, parked vehicles, fire hydrants, refuse dumpsters, obstacles (i.e., water valves, radiological areas, etc.), parking lot entrances, exits, or roadway intersections.	Plowing operations do not create safety hazards or obstruct identified items.	No more than one observed defect and no more than two valid customer complaints.	Inspection, Observation, Customer Feedback	$500.00 for each deficiency above the AQL.	Monthly
C.3.5.7.5.1	Non-Significant Weather Events: The Contractor shall treat and clear priority areas to maintain safe passage conditions for vehicle and pedestrian traffic.	Priority 1, 2, and 3 areas are free and clear within 4 hours of the completion of the weather event. Remaining areas shall be cleared within 12 hours.	No more than one observed defect and no more than two valid customer complaints.	Inspection, Observation, Customer Feedback	$1,000.00 for each deficiency per event.	Monthly
C.3.5.7.5.2	Significant Weather Events: The Contractor shall treat and clear priority areas to maintain safe passage conditions for vehicle and pedestrian traffic.	Priority 1, 2, and 3 areas are free and clear within 8 hours of the completion of the weather event. Remaining areas are cleared within 16 hours.	No more than one observed defect and no more than two valid customer complaints.	Inspection, Observation, Customer Feedback	$1,000.00 for each deficiency per event.	Monthly
C.3.5.7.6	The Contractor shall perform LEVEL II Service Order work.	All work is performed in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to plow in a manner that does not create a safety hazards in accordance with Section C.3.5.7.4 will be evaluated as follows: The Contractor is required to plow snow and ice such that safety or obstruction hazards are not introduced. The AQL is one observed defect or valid customer complaint. A QAE will inspect a portion of the areas plowed for locations where the plowing was not performed properly. Also, the Contractor or QAE may receive complaint(s) from other site contractors on the plowing method. The complaint(s) will subsequently be determined to be valid or invalid. If it is determined that there is more than one observed defect or more than two valid customer complaints, $500.00 for each deficiency above the AQL will be deducted from the Contractor payment.

11. Railroad System Maintenance and Repair (C.3.5.8)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Railroad System Maintenance and Repair**.

Table 11: Railroad System Maintenance and Repair Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.8.3.1	The Contractor shall perform inspections of the tracks. The Contractor shall perform inspections on a monthly basis for active track and annually for inactive track. Active track inspections shall occur no more than thirty (30) calendar days and no less than twenty (20) calendar days from last inspection.	Inspections are performed in accordance with Federal Railroad Administration (FRA) Part 213, Class 1, *Track Safety Standards.*	90% of tracks inspected per schedule appropriate requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
**C.3.5.8.3.1	The Contractor shall inspect rail trestles. The inspections shall be performed annually.	Inspections are performed in accordance with 49 *CFR* § 213, *Track Safety Standards* and *Manual for Railway Engineering*, American Railway Engineering and Maintenance-of-Way Association.	90% of rail trestles inspected per schedule appropriate requirements.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.8.3.1	The Contractor shall advise the Government of all problems discovered with the rail system.	Catastrophic (serious defect) problems (found on rail systems) are to be immediately reported to the Government.	100% of catastrophic problems immediately reported.	Periodic and Random Inspection	$5,000.00 for each failure	Monthly
C.3.5.8.3.1	The Contractor shall advise the Government of all problems discovered with the rail system.	Critical (potentially serious) problems (found on rail systems) are to be reported to the Government on a daily basis.	100% of critical problems reported daily.	Periodic and Random Inspection	$5,000.00 for each failure	Monthly
C.3.5.8.3.1	The Contractor shall provide the Government a copy of the rail and trestle inspection reports.	Inspection reports are submitted within five (5) business days of completion of inspection.	100% of Inspection Reports submitted on schedule.	Deliverable Review	5% of applicable ELIN	Single surveillance review of the deliverable
C.3.5.8.3.2	For DOE approval, the Contractor shall submit a railroad service schedule within 30 calendar days of the NTP, and updated thereafter when changes are made.	The railroad service schedule includes all required information in C.3.5.8.3.2.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.5.8.3.2	The Contractor shall perform scheduled work on rail switches.	Rail switches are maintained in accordance with C.3.5.8.3.2.	90% rail switches properly maintained.	Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.5.8.3.2	The Contractor shall perform scheduled work on railroad trackage.	Rail trackage is maintained in accordance with C.3.5.8.3.2.	90% rail trackage properly maintained.	Periodic and Random Inspection	5% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.8.3.3	The Contractor shall eliminate or control vegetation from areas within and adjacent to trackage where not required for erosion control.	The Contractor maintains ballast areas free of vegetation sixteen (16) feet wide [eight (8) feet each side of center line].	90% of trackage properly maintained.	Random Inspection	2% of applicable ELIN	Monthly
C.3.5.8.4	The Contractor shall perform LEVEL II Service Order work.	All work is performed in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to inspect rail trestles in accordance with Section C.3.5.8.3.1 will be evaluated as follows: The Contractor is required to inspect rail trestles annually. The AQL is for 90% of rail trestles to be properly inspected. A QAE will inspect a portion of the records for trestle inspections and if it is determined that less than 90% of the trestles have been inspected, 5% of the applicable ELIN will be deducted from the Contractor payment (until the appropriate inspections are completed).

12. Pest Control Services (C.3.5.9)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Pest Control Services**.

Table 12: Pest Control Services Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.9.3	All work shall be performed by certified individuals.	Evidence of permits and licenses are provided to the Government.	100% of personnel are certified.	Periodic and Random Inspection	$1,000.00 for each deficiency.	Monthly
C.3.5.9.4	The Contractor shall maintain records of all pest control operations, both chemical and nonchemical, including surveillance.	Records are made available upon request for inspection.	90% of pest control operations have appropriate records maintained.	Periodic and Random Inspection	$500.00 for each deficiency above the AQL.	Monthly
**C.3.5.9.5	Labels and safety data sheets for each pesticide proposed to be used shall be submitted to the Government for approval at least fourteen (14) calendar days prior to use.	The Government approves the use of the pesticide prior to use.	100% of pesticides approved for use by the Government.	Inspection, Observation,	$500.00 for each deficiency above the AQL.	Monthly
C.3.5.9.5	All pesticides used by the Contractor shall be registered for the use intended.	Pesticides are registered with the EPA and State of Kentucky for the intended use.	100% of pesticides are registered.	Periodic and Random Inspection	$1,000.00 for each deficiency.	Monthly
C.3.5.9.5	All pesticides usage shall be in strict conformance with label directions. The Contractor shall maintain a label book of pesticides used.	Label book of pesticides use is readily available for inspection by the Government.	100% of pesticides used are identified in the label book.	Periodic and Random Inspection	$1,000.00 for each deficiency.	Monthly
C.3.5.9.5	All pesticides, rinse water, and containers shall be disposed of in accordance with label directions. Pesticides, rinse water, and containers shall not be disposed of on the Paducah Gaseous Diffusion Plant site.	All pesticides, rinse water, and containers are disposed off-site.	100% items disposed of off-site.	Periodic and Random Inspection	$1,000.00 for each deficiency.	Monthly
C.3.5.9.5	Pesticide spills shall be cleaned, decontaminated, and reported to the Government, as required by the WSHP and applicable environmental standards.	Spills are cleaned, decontaminated, and reported in accordance with Contractor WSHP and applicable environmental standards.	100% spills handled in accordance with Contractor WSHP.	Periodic and Random Inspection	$1,000.00 for each deficiency.	Monthly
C.3.5.9.6	The Contractor shall develop and implement an Integrated Pest Management Program.	The Pest Management Program incorporates continuous monitoring, record-keeping, and communication to prevent pests and disease vectors from causing unacceptable damage.	No more than one observed defect or valid customer complaint.	Inspection, Observation, Customer Feedback	$500.00 for each deficiency above the AQL.	Dependent on work load
C.3.5.9.6	The Contractor shall perform an initial inspection of all facilities as stated in Section C.3.5.9.2 Assets for structural and general signs of nuisance pests within 90 calendar days of NTP.	The findings of each inspection are reported to the Government within 30 calendar days following completion of the inspection.	100% of inspection reports provided to the Government.	Inspection, Observation	$500.00 for each deficiency per facility.	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.5.9.6	Proposed annual service schedules shall be submitted to the Government for approval.	Schedules are submitted within 30 calendar days of initial inspection.	Deliverable provided per schedule.	Deliverable Review	$500.00 for each business day deliverable is past due date.	Single surveillance review of the deliverable
C.3.5.9.6	The Contractor shall provide pest control services on a scheduled basis for the control of cockroaches, ants, silverfish, spiders, mice, rats, and any other pest native to the Paducah, Kentucky area.	Contractor maintains areas free of infestations.	No more than three observed infestations or valid customer complaints.	Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.9.6	The Contractor shall provide the removal of nuisance animals. The Contractor shall remove all dead or dying rodents or other animals, as needed.	No more than 3customer requests without Contractor action on requests those are actionable.	No more than one observed defect or valid customer complaint.	Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
C.3.5.9.7	The Contractor shall perform LEVEL II Service Order work.	All work shall is in accordance with the service order.	100% of work performed in accordance with service order.	50% Inspection of Level II service orders	10% of service order cost	Monthly
C.3.5.9.8	The Contractor shall eliminate structural and nuisance pests within 30 calendar days of completion of the initial inspection. After which, facilities shall remain free of any infestation.	No more than 3 customer requests without Contractor action on requests that are actionable.	No more than one observed defect or valid customer complaint.	Inspection, Observation, Customer Feedback	$500.00 for each deficiency.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to submit pesticide data sheets to the government (for approval prior to use in accordance with Section C.3.5.9.5) will be evaluated as follows: The Contractor is required to submit pesticide data sheets for approval by the Government prior to use. The AQL is for all (100%) pesticides to be approved prior to use. A QAE will inspect pesticides in use and any pesticides found in use that have not been approved by the Government will result in $500.00 being deducted from the Contractor payment for each occurrence.

13. Records Management and Document Control (C.3.6.)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Records Management and Document Control**

Table 13: Records Management and Document Control Performance Standards, AQLs and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.6.3	The Contractor shall prepare, revise, submit for DOE approval and execute an approved Records Management Plan.	The Records Management Plan are developed in accordance with 44 U.S.C. 21; 44 U.S.C. 29; 44 U.S.C. 31; 44 U.S.C. 33; 44 U.S.C. 36; 36 *CFR* Chapter XII, Subchapter B, *Records Management*; DOE O 243.1B, "*Records Management Program."*	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of the initial deliverable, and annual updates
C.3.6.3.1	The Contractor shall utilize an ERMS for the maintenance and disposition of all records (regardless of media), including electronic and email.	All records are managed in the ERMS regardless of media in accordance with requirements.	95% and no more than two valid customer complaints.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	10% of applicable ELIN	Monthly
C.3.6.3.1	The Contractor shall ensure records are properly imported and stored in the ERMS within the appropriate schedule and folder(s).	The Contractor shall effectively apply ERMS quality control processes are in place for importing and submittal of records into the ERMS, including but not limited to proper schedule, scanned to required ppi/dpi, pages per inch, pages are rotated properly, security markings are applied, and images are clear and legible.	Less than 5% error rate and less than 5% backlog.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.3.1	The Contractor's Monthly Progress Report shall include: 1) Detailed report of monthly ERMS statistics that includes, but is not limited to, the number of folders, records (classified and unclassified), record types (email, electronic, photographs, paper, etc.) and quality assurance records that have been imported into the ERMS by DOE Records Disposition Schedule and number of users. 2) Detailed report documenting the volume of records reviewed, number of pages, issues/errors found and error rate. 3) Detailed report documenting the volume of records imported into ERMS (Documentum or Equivalent), number of pages, issues/errors found and error rate.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly surveillance review of deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.6.3.2	The Contractor shall develop and implement records management requirements for the creation, maintenance and storage of audiovisual records.	Audiovisual records are stored in accordance with 36 CFR § 1237 and 36 CFR § 1235.42 and any updated National Archives and Records Administration (NARA) requirements/guidance.	95% compliance.	Monthly Progress Report (See C.3.6.3.1 Item 1), Periodic and Random Inspection	5% of applicable ELIN	Monthly
C.3.6.3.3	The Contractor shall prepare, revise, submit for DOE approval, and execute an approved Vital Records Plan.	The Vital Records Plan is developed in accordance with 36 CFR § 1223, Managing Vital Records, and DOE Order 243.1B, Records Management Program.	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of the deliverable
C.3.6.3.3	The Contractor shall prepare, revise, and submit to DOE the Vital Records Inventory.	The Records Inventory is developed and updated in accordance with 36 CFR § 1223, Managing Vital Records, and DOE O 243.1B, *Records Management Program*.	Submittal contains 100% of requested information.	Inspection, Submittal Review	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Annual
C.3.6.4.1	The Contractor shall incorporate recordkeeping controls into electronic information system or export the records into the current ERMS. The Contractor shall design and implement migration strategies to counteract hardware and software dependencies of electronic records whenever the records must be maintained and used beyond the life of the information system in which the records are originally created and captured.	Electronic records are stored in accordance with 36 CFR 1236.	95% compliance or two valid customer complaints.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.4.1	The Contractor shall provide a list of all Electronic Information Systems (EIS) to DOE annually, utilizing the format provided by DOE.	Required information is provided in Monthly Progress Report as required in Section C.2.4.	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	$500.00 for each deficiency.	Single surveillance review of the deliverable
C.3.6.4.2	The Contractor shall prepare, revise, submit for DOE approval, and execute an approved File Plan.	The File Plan is developed in accordance with 36 CFR Chapter XII Subchapter B and DOE O 243.1B *Records Management Program*.	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	$500.00 for each business day deliverable is past due date or not technically accurate and complete.	Single surveillance review of the deliverable (annual)

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.6.4.2	The Contractor's Monthly Progress Report shall include: 1) Detailed report on site-wide inventories that includes, but is not limited to, the number of employees/subcontractors interviewed and record volumes by type (paper, electronic, etc.) 2) Detailed report on file plan revisions that includes, but is not limited to, new or discontinued disposition authorities.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.6.5	The Contractor shall ensure electronic records received from staff, contractors and subcontractors have been properly scanned, pages rotated, proper markings and are clear and legible and imported into the ERMS. Records obtained from DOE are scheduled, indexed and processed in paper format.	The Contractors QA process is implemented for scanned and imported records to ensure electronic record meet NARA requirements.	Less than 3% backlog or two valid customer complaints.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.5.1	The Contractor shall ensure records identified as Quality Assurance records under ANSI/American Society of Mechanical Engineers (ASME) National Quality Assurance (NQA)-1 are categorized (lifetime/non-permanent); managed in accordance with NQA-1 and 36 CFR Chapter XII, Subchapter B; and are maintained for traceability to the applicable item, activity or facility.	Records identified as quality assurance are managed in accordance with NQA-1 and 36 CFR Chapter XII, Subchapter B; and are maintained for traceability to the applicable item, activity or facility.	95% compliance or two valid customer complaints.	Monthly Progress Report (also see C.3.6.3.1 Item 1), Periodic and Random Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.5.1	The Contractor's Monthly Progress Report shall include: Report of quality assurance records assigned to include record description (i.e., Instrument Calibration Records, Technical Qualification Records, etc.), DOE Records Disposition Authority, media and volume.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
**C.3.6.5.2	Records that contain personal information retrieved by name, or another personal identifier are maintained in Privacy Act Systems of Records.	The Contractor shall ensure records that are maintained in Privacy Act Systems of Records are managed and maintained in accordance with FAR 52.224-2, *Privacy Act* and DOE O 206.1, *DOE Privacy Progra*m, staff are properly trained, and records are properly identified.	100%, compliance no more than zero observed defects (breaches).	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.6.5.2	The Contractor's Monthly Progress Report shall include: Report of any breach of privacy information.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.6.5.3	The Contractor shall protect and handle classified information and critical information in accordance with applicable laws, regulations, policies, and directives.	Classified records are handled in accordance with Section C.3.3, Safeguards and Security.	100%, zero observed defects (incidents).	Monthly Progress Report (See C.3.6.3.1 Item 1), Periodic and Random Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.5.4	The Contractor's Monthly Progress Report shall include: Detailed report of monthly statistics that includes, but is not limited to, number of requests received and processed by type (i.e., Freedom of Information Act (FOIA), Privacy Act, Litigation, DOE, internal, etc.), document page count (if applicable) and processing times for each.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.6.5.4	The Contractor shall respond to records management data calls by NARA and DOE as requested and process record requests for the FOIA, Privacy Act, Energy Employees Occupational Illness Compensation Program Act, the former worker medical screening program, the Chronic Beryllium Disease Prevention Program, congressional inquiries, legal discoveries and other record requests.	Response to record request are completed as follows: • FOIA <=10 business days • Privacy Act <=10 business days • Litigation Requests <= 5 business days • DOE Requests <= 2 business days	Less than 1% backlog and one observed defect or valid customer complaint.	Monthly Progress Report, Inspection, Observation, Customer Feedback	10% of applicable ELIN	Monthly
C. 3.6.5.5	The Contractor shall maintain the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) Administrative Record and Information Repository.	The CERCLA and RCRA Administrative Record are maintained in accordance with applicable laws, regulations, policies and directives.	98% and no more than one observed defect or valid customer complaint.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	$500.00 for each deficiency	Monthly
C.3.6.5.5	The Contractor's Monthly Progress Report shall include: Detailed report documenting the Administrative Record and Information Repository that includes, but is not limited to, the number of documents received, processed and processing times.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.6.5.6	The Contractor shall develop and submit to DOE a quarterly six-month forecast schedule for health physics/radiological survey support for site-wide records management activities.	Deliverable includes forecast for health physics/radiological survey support.	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of the deliverable
C.3.6.5.6	The Contractor's Monthly Progress Report shall include: Detailed report on records management survey statistics that includes, but is not limited to, number of surveys conducted by organization and any backlog.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.6.5.7	The Contractor shall ensure historical records, regardless of media, are stored appropriately in accordance with federal laws and DOE regulations for proper preservation and efficient retrieval.	Required volumes of historical paper records are organized, scheduled, indexed, boxed and dispositioned in paper format or current format.	95% and no more than one observed defect or valid customer complaint.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	10% of applicable ELIN	Monthly
C.3.6.5.7	The Contractor's Monthly Progress Report shall include: Detailed report on monthly statistics documenting annual progress for the above record types.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.6.6	The Contractor shall ensure proper DOE Records Disposition Schedule assigned, box, index, complete transfer paperwork, and obtain DOE Records Management Field Officer (RMFO) approval prior to sending transfer paperwork and/or shipping inactive temporary records to a FRC and/or permanent records to the NARA.	The Contractor ensures records are dispositioned per the assigned schedule.	98% and no more than one observed defect or valid customer complaint.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.6	The Contractor shall ensure records eligible for destruction are properly dispositioned in a timely manner once litigation moratorium is lifted.	The Contractor completes destruction certificate and submit to DOE RMFO for review and obtaining DOE Legal approvals prior to destruction.	No more than one observed defect or valid customer complaint.	Monthly Progress Report, Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.6.6	For DOE approval, the Contractor shall develop and implement a Records Disposition Plan.	The Records Disposition Plan shall be developed in accordance with applicable DOE guidance.	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of the deliverable
C.3.6.6	The Contractor's Monthly Progress Report shall include: Detailed report on monthly statistics on records disposition activities that includes, but is not limited to, records transferred to the FRC/NARA, records eligible for destruction, and number of boxes destroyed.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
C.3.6.7	The Contractor shall develop, implement and maintain sound document control systems.	Processes shall ensure efficient tracking, retrieval, revision control and distribution of documents, including drawings.	No more than one observed defect or valid customer complaint.	Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
C.3.6.7	The Contractor's Monthly Progress Report shall include: Detailed report on document control activities that includes, but is not limited to, new documents, revisions, and retrievals by record type.	Required information is provided in Monthly Progress Report as required in Section C.2.4.1.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

**** EXAMPLE (This example also applies to other related sections of the document as applicable): The requirement for the Contractor to properly maintain privacy act systems of records in accordance with Section C.3.6.5.2 will be evaluated as follows: The Contractor is required to properly maintain records containing personnel information. The AQL is for all (100%) privacy act records to be appropriately maintained. A QAE will inspect records and if any privacy act records are found not being maintained appropriately, 5% of the applicable ELIN will be deducted from the Contractor payment.**

14. Mail Services (C.3.7)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Mail Services**.

Table 14: Mail Services Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.7.2	Operate the PGDP central mailroom.	Mailroom is operated on normal business days.	No more than two observed defects or valid customer complaints.	Inspection, Observation, Customer Feedback	$500.00 for each deficiency above the AQL.	Monthly
C.3.7.2	Collect from a local United States Postal Service Post Office Box and process classified mail for all site contractors and DOE.	Mail is collected from the United States Postal Service Post Office Box and classified mail is correctly processed.	No more than two observed defects or valid customer complaints.	Inspection, Observation, Customer Feedback	$500.00 for each deficiency above the AQL.	Monthly
**C.3.7.2	Collect and deliver inter-organizational and outgoing U.S. mail twice daily to C-103, DOE Site Office, Monday through Friday. Frank and post all outgoing U.S. mail for DOE by means of the Government postage meter.	Mail is collected and delivered twice daily on normal business days.	No more than two observed defects or valid customer complaints.	Inspection, Observation, Customer Feedback	$500.00 for each deficiency above the AQL.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to collect and deliver inter-organizational and U.S. mail in accordance with Section C.3.7.2 will be evaluated as follows: The Contractor shall deliver mail twice daily to C-103. The AQL is two observed defects or valid customer complaints. A QAE will monitor the mail delivery. Also, the Contractor or QAE may receive complaints from other site contractors on the mail delivery. The complaint(s) will subsequently be determined to be valid or invalid. If it is determined there are more than two observed defects or valid customer complaints, $500.00 for each deficiency above the AQL will be deducted from the Contractor payment.

15. Training Services (C.3.9)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Training Services**.

Table 15: Training Services Performance Standards, AQLs, and Surveillance:

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.9.2	The Contractor shall provide the delivery of the training courses listed in Attachment J-8.C.3.9.1, and provide site access training qualification records and cards.	Training qualification records and site access cards are provided in a timely manner.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	$500.00 for each additional deficiency above the AQL.	Monthly
C.3.9.3	The Contractor shall provide the training courses to ensure compliance with applicable environmental health and safety laws and regulations.	Training courses ensure compliance with environmental health and safety laws and regulation.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	$500.00 for each additional deficiency above the AQL.	Monthly
C.3.9.3	Training classes will be coordinated with other site contractors and tailored to the PGDP site activities.	Training courses are coordinated with other site contractors.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	$500.00 for each additional deficiency above the AQL.	Monthly
C.3.9.3	The Contractor shall coordinate with other site contractors to consolidate training modules, where practicable. The Contractor shall review course content quarterly, and revise/update as necessary to meet current requirements and site conditions.	Training courses are consolidated where practicable are revised as needed to meet current requirements.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	$500.00 for each additional deficiency above the AQL.	Monthly
C.3.9.4	The Contractor shall develop a training schedule for site specific courses listed in Section C.3.9.2, Requirement.	Schedule includes all training courses listed in Section C.3.9.2.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of deliverable
**C.3.9.4	Personnel are notified of pending training needs prior to expiration of requisite training certifications.	Personnel are notified a minimum of 30 calendar days prior to expiration of training.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	$500.00 for each additional deficiency above the AQL.	Monthly
C.3.9.4	Companies are notified their employee has not completed the requisite training and is to be placed on restrictions from general site access.	Companies are notified of a training non-compliance upon individual not completing the requisite training by the required completion date.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	$500.00 for each additional deficiency above the AQL.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to notify personnel of pending training needs in accordance with Section C.3.9.4 will be evaluated as follows: The Contractor shall notify personnel 30 calendar days prior to training expiring.

The AQL is two observed defects or valid customer complaints. A QAE may inspect the training system. Also, the Contractor or QAE may receive complaint(s) from other site contractors on the mail delivery. The complaint(s) will subsequently be determined to be valid or invalid. If it is determined that there is more than two observed defects or valid customer complaints, $500.00 for each deficiency above the AQL will be deducted from the Contractor payment.

16. On-Site Fuel Station (C.3.10)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **On-Site Fuel Station**.

Table 16: On-Site Fuel Station Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
**C.3.10	Contractor provides refueling capability through the on-site fueling station (C-752-B).	The refueling station is available 24 hours per day, 7 days per week.	Fuel station 95% operational.	Observation and Inspection.	$50 per hour station is unavailable for unscheduled /unexpected maintenance above the AQL	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to provide refueling capability in accordance with Section C.3.10 will be evaluated as follows: The Contractor maintain the refueling station in an operating condition 24 hours per day, 7 days per week. The AQL is for the fuel station to be operating 95% of the time. A QAE will monitor the refueling station availability. If it is determined that the refueling station is operating less than 95% of the time, $50 per hour the station is unavailable above the AQL will be deducted from the Contractor payment.

17. Safeguards and Security (C.3.3)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Safeguards and Security**. Stated deductions will be applicable and will commence at the time the deficiencies are identified (e.g., the date of the finding) and will continue monthly until the corrective actions are satisfactorily implemented (i.e., demonstrated by closure of the finding and subsequent validation by DOE).

Table 17: Safeguards and Security Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.3.1	**Program Management Operations** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly
C.3.3.1	**Program Management Operations** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.1 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly
C.3.3.2	**Protective Force** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	1% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly
C.3.3.2	**Protective Force** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.2 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.3.3	**Physical Protection** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly
C.3.3.3	**Physical Protection** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.3 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly
C.3.3.4	**Information Security** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly
C.3.3.4	**Information Security** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.4 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly
**C.3.3.5	**Personnel Security** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.3.5	**Personnel Security** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.5 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly
C.3.3.6	**Material Controls & Accountability** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	1% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly
C.3.3.6	**Material Controls & Accountability** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.6 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly
C.3.3.7	**Foreign Visits & Assignments** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are Satisfactory or higher.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented (as demonstrated by DOE validation).	Monthly
C.3.3.7	**Foreign Visits & Assignments** in accordance with Security Program requirements as defined in the Contract.	Deliverables contain required information listed in Attachment J-4 – List of Deliverables for Section C.3.3.7 and subsections.	Deliverable provided per schedule and is technically accurate and complete.	Review, approval and/or concurrence of deliverables	$500.00 for each business day deliverable is past the due date or not technically accurate and complete.	Monthly
Other Factors:		**Deduction (Impact on Contractor Payments)**				
***Security Enforcement Action		100% of applicable ELIN 1 Month and 50% of applicable ELIN for each month thereafter until the Corrective Action Plan is complete and all actions closed.				
Other Security Items as Deemed by the Secretary of Energy or Assistant Secretary		100% of applicable ELIN				

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for the Contractor to maintain Personnel Security in accordance with Section C.3.3.5 will be evaluated as follows: The Contractor shall undergo DOE surveys, assessments, and surveillances. The AQL is to maintain a satisfactory rating for the surveys, assessments, or surveillance. If the ratings from these surveys, assessments, or surveillances are below satisfactory, 10% of the ELIN will be deducted from the Contractor payment each month until outstanding corrective actions are resolved.

*** A violation of the provisions of the CRD relating to the safeguarding or security of Restricted Data or other classified information may result in an additional civil penalty pursuant to subsection a of section 234B of the Atomic Energy Act (42 U.S.C. Section 2282b). The procedures for the assessment of civil penalties are set forth in Title 10, *CFR*, Part 824, *Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations*.

18. Cyber Security (C.3.4)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Cyber Security**.

Table 18: Cyber Security Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
C.3.4.1.1	The contractor shall submit a detailed report of Cyber Security Incidents monthly.	The monthly progress report includes a detailed report of Cyber Security Incidents.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection of deliverable	5% of applicable ELIN	Monthly
**C.3.4.1.1	The contractor shall submit a detailed report of all controlled article passes issued.	The monthly progress report includes a detailed report of all controlled article passes issued.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection of deliverable	5% of applicable ELIN	Monthly
C.3.4.1.2	The Contractor shall comply with the Cyber Security requirements as specified in DOE O 205.1B, *Department of Energy Cyber Security Program*, the applicable DOE Risk Management Approach Implementation Plan (RMAIP), all current versions of applicable NIST Special Publications (SP) and the Committee on National Security Systems (CNSS) 1253.	Cyber security requirements from identified sources are implemented.	95% of applicable requirements met.	100% Inspection of deliverable	15% of applicable ELIN	Annual
C.3.4.1.3	The Contractor shall develop, implement and maintain a System Security Plan consistent with the Site Security Plan, to be coordinated with the Deactivation contractor and its subcontractors, and submit System Security Plan annually.	The System Security Plan is compliant with the requirements of DOE O 205.1B.	Deliverable provided per schedule and is technically accurate and complete.	100% Inspection of deliverable	10% of applicable ELIN	Annual
C.3.4.1.3	The Contractor shall Complete a 100% Cyber Security self-assessment annually.	The Cyber Security Assessment is based on the current revision of NIST SP 800-53.	Assessment covers 100% of recommended topics.	100% Inspection of deliverable	15% of applicable ELIN	Annual
C.3.4.1.5	All Cyber Security and IT personnel who have Incident Response (IR) and Contingency Planning (CP) responsibilities shall have a DOE Q clearance.	All required personnel possess a DOE Q clearance.	100% of required personnel have DOE Q clearance.	Periodic and Random Inspection	$1,000.00 for each deficiency.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by the Government.

** **EXAMPLE (This example also applies to other related sections of the document as applicable):** The requirement for a controlled article pass deliverable in accordance with Section C.3.4.1.1 will be evaluated as follows: The deliverable shall be submitted to the government monthly. The AQL is for the deliverable to contain all the requested information. The Government or a QAE will review the deliverable for the required information. If it is determined that the deliverable does not contain all the required information, 5% of the applicable ELIN will be deducted from the Contractor payment.

19. Contract Closeout (C.3.12)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **Contract Closeout**.

Table 19: Contract Closeout Performance Standards, AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency
C.3.12	The Contractor shall provide all necessary support for a smooth Contract transition at the end of the Contract period.	The Contractor provides support for and effective and efficient closeout of the Contract.	100%	Customer Feedback, Observation, Inspection.	Associated values for contract remedies	At contract closeout
C.3.12	Six (6) months prior to the expiration of the Contract period (upon CO direction), the Contractor shall submit a Contract Close-out Plan to DOE for review and approval.	The Contract Close-out Plan includes all remaining administrative matters necessary to effectively and efficiently closeout the Contract.	Deliverable contains 100% of requested information.	100% Inspection	Associated values for contract remedies	At contract closeout

APPENDIX B:
CONTRACTOR EVALUATION REPORT

CONTRACTOR EVALUATION REPORT	**1. EVALUATION REPORT NUMBER**
2. TO: (*Contractor and Manager Name*)	**3. FROM:** (*Name of COR*)

DATES			
PREPARED	**ORAL NOTIFICATION**	**RETURNED BY CONTRACTOR**	**ACTION COMPLETE**

4. EVALUATION DISCREPANCY OR PROBLEM (*Describe in Detail. Include PWS references. Attach Continuation Sheet if Necessary.*)

5. SIGNATURE OF COR

6. TO: (*Name of COR*)	**7. FROM:** (*Contractor)*

8. CONTRACTOR RESPONSE AS TO CAUSE, EFFECT, CORRECTIVE ACTION AND ACTIONS TO PREVENT RECURRENCE. (*Attach Continuation Sheet if necessary. Cite applicable Contractor QC program procedures or new QC procedures.*)

9. SIGNATURE OF CONTRACTOR REPRESENTIVE	**10. DATE**

11. GOVERNMENT EVALUATION (*Acceptance, partial acceptance, or rejection. Attach Coordination Sheet if necessary.*)

12. GOVERNMENT ACTIONS (*Reduced payment, cure notice, show cause, other.*)

CLOSE OUT				
	NAME AND TITLE	**SIGNATURE**	**METHOD OF ACKNOWLEDGEMENT (Email, Ltr)**	**DATE**
CONTRACTOR NOTIFIED				
QAE				
COR				

APPENDIX C:
CUSTOMER FEEDBACK RECORD

CUSTOMER FEEDBACK RECORD	
DATE AND TIME OF FEEDBACK	
SOURCE OF FEEDBACK ORGANIZATION INDIVIDUAL	
NATURE OF FEEDBACK	
PWS REFERENCE	
VALIDATION	
DATE AND TIME SERVICE PROVIDER INFORMED OF FEEDBACK	NAME OF Contractor REPRESENTATIVE INFORMED OF FEEDBACK
ACTION TAKEN BY SERVICE PROVIDER *(Responsible officer)*	
RECEIVED AND VALIDATED BY	
Determination: *Complaint Valid* ☐ *Complaint Invalid* ☐	

APPENDIX D:
SAMPLING GUIDE/INSPECTION CHECKLIST

SERVICE FUNCTION: _____
PWS SECTION: _____

NOTE: **S** = Satisfactory Performance M = Marginal Performance **U** = Unsatisfactory Performance **N/A** = Not Applicable

1	**Method of Surveillance:**			
2	**Lot Size:**			
3	**Sample Size:**			
4	**Performance Requirement:** Performance is satisfactory (S) when _____ or fewer defects are discovered per month. Performance is marginal (M) when _____ or fewer defects are discovered per month. Performance is unsatisfactory (U) when _____ or more defects are discovered per month.			
5	**Sampling Procedure:** Instructions on how to select the sample must be clear and complete			
6	**Inspection Procedure:** The procedure must be detailed enough to allow a yes/no objective decision as to the acceptability of performance by anyone making the inspection. Explain when evaluation is to occur and what is acceptable/unacceptable			
		Performance: Satisfactory (S), Marginal (M), Unsatisfactory (U), Not Applicable (N/A)		
	PRS Requirements	**Timeliness**	**Quality of Work**	**Notes**
.				
	Overall Rating Of Inspection (S, M, U, or N/A)			

Inspector Comments: _____

_____

Contractor Signature: _____ Date: _____

QAE Signature: _____ Date: _____

SECTION J
ATTACHMENT J-12

LIST OF ACRONYMS

ACBM	Asbestos Containing Building Material
ACO	Administrative Contracting Officer
ADA	Americans with Disabilities Act
ADR	Alternative Dispute Resolution
ALARA	As Low As Reasonably Achievable
ANSI	American National Standards Institute
AO	Authorizing Official
AR	Administrative Records
ARF	Administrative Records Files
AREA	American Railroad Engineering Association
ASME	American Society of Mechanical Engineers
ATO	Authorized to Operate
ATMS	Automated Transportation Management System
BHMA	Building Hardware Manufacturers Association
CAB	Citizens Advisory Board
CAGE	Commercial and Government Entity
CAIRS	Computerized Accident/Incident Reporting System
CAIS	Condition Assessment Information System
CAP	Corrective Action Plan
CAS	Contractor Assurance System
CBA	Collective Bargaining Agreement
CCSO	Contractor Cognizant Security Organization
CD-R	Compact Disc
CEDR	Comprehensive Energy Data Report
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFATS	Chemical Facilities Anti-Terrorism Standards
CFR	Code of Federal Regulation
CI	Critical Information
CLIN	Contract Line Item Number
CMMS	Computerized Maintenance Management System
CMPC	Classified Matter Protection and Control
CNSS	Committee on National Security Systems
CO	Contracting Officer
COMSEC	Communication Security
COOP	Continuity of Operations Plan
COR	Contracting Officer's Representative
CP	Contingency Planning
CPSO	Cognizant Personnel Security Office
CRADA	Cooperative Research and Development Agreement
CRD	Contractor Requirements Document

CSCS	Contract Security Classification Specification
DATO	Denial of Authorization to Operate
DB	Defined Benefit
DC	Derivative Classifier
DD	Derivative Declassifier
DEAR	Department of Energy Acquisition Regulation
DOD	Department of Defense
DOE	Department of Energy
DOELAP	DOE Laboratory Accreditation Program
DOL	Department of Labor
DUF_6	Depleted Uranium Hexafluoride
DUNS	Data Universal Numbering System
EADS	Energy Asset Disposal System
EAL	Emergency Action Level
ECI	Export Controlled Information
EEOICPA	Energy Employee Occupational Illness Compensation Program Act
EFT	Electronic Funds Transfer
EIC	Environmental Information Center
ELIN	Exhibit Line Item Number
EM	Office of Environmental Management
EMCBC	Environmental Management Consolidated Business Center
EPA	Environmental Protection Agency
EPAct	Energy Policy Act
EPEAT	Electronic Product Environmental Assessment Tool
EPHA	Emergency Planning Hazards Assessment
EPP	Environmentally Preferable Products
EPS	Engineered Performance Standards
ERISA	Employee Retirement Income Security Act
ERMS	Electronic Records Management System
ERP	Environmental Radiological Protection
ES&H	Environment, Safety and Health
ESH&Q	Environment, Safety, Health and Quality
ESS	Electronic Submission System
ETS	Environmental Technical Services
ETTP	East Tennessee Technology Park
EVMS	Earned Value Management System
FACTS	Foreign Access Central Tracking System
FAPIIS	Federal Awardee Performance and Integrity Information System
FAR	Federal Acquisition Regulation
FBI	Federal Bureau of Investigation
FCC	Federal Communications Commission
FCL	Facility Clearance
FCPA	Federal Compensation Program Act
FDAR	Facility Data and Approval Record
FIFO	First-In-First-Out
FIMS	Facilities Information Management System

FIPS	Federal Information Processing Standards
FISMA	Federal Information Systems Management Act
FOCI	Foreign Ownership Control or Influence
FOIA	Freedom of Information Act
FRA	Federal Railroad Administration
FRC	Federal Record Center
FSO	Facility Security Officer
FVA	Foreign Visits and Assignments
FY	Fiscal Year
GAA	General Access Area
GAO	Government Accountability Office
GDP	Gaseous Diffusion Plant
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GFSI	Government Furnished Services and Items
GPO	Government Printing Office
GRC	General Reference Compendium
GSA	General Services Administration
GSP	Graded Security Protection
HQ	Headquarters
HRPP	High Risk Personal Property
HSPD-12	Homeland Security Presidential Directive-12
HSWA	Hazardous and Solid Waste Amendments Act of 1984
HVAC	Heating, Ventilation and Air Conditioning
HTML	Hyper Text Markup Language
ICAM	Identity, Credential, and Access Management
IDIQ	Indefinite Delivery/Indefinite Quantity
IDS	Intrusion Detection System
IFMS	Interagency Fleet Management System
IO	Inquiry Official
IOSC	Incidents of Security Concern
IP	Internet Protocol
IPABS	Integrated Accountability, and Budgeting System
IPM	Integrated Pest Management
IPRs	Independent Project Reviews
IR	Incident Response
IRC	Internal Revenue Code
IRM	Information Resources Management
ISM	Integrated Safety Management
ISMS	Integrated Safety Management System
ISOO	Information Security Oversight Office
ISS	Infrastructure Support Services
IT	Information Technology
KMP	Key Management Personnel
LA	Limited Area
LAN	Local Area Network

LLC	Limited Liability Company
LSSO	Local Site Specific Only
MC&A	Materials Control and Accountability
MDM	Mobile Device Management
MEPP	Multi-Employer Pension Plan
MEWA	Multi-Employer Welfare Agreement
MI	Management Interest
MSDS	Material Safety Data Sheet
NAICS	North American Industry Classification System
NARA	National Archives and Records Administration
NASA	National Aeronautics and Space Administration
NBIS	National Bridge Inspection Standards
NESC	National Electrical Safety Code
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NISPOM	National Industrial Security Program Operating Manual
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NOAV	Notice of Alleged Violation
NOV	Notice of Violation
NQA	National Quality Assurance
NRC	Nuclear Regulatory Commission
NRCA	National Roofing Contractors Association
NSDD	National Security Decision Directive
NTP	Notice to Proceed
NTS	Non-Compliance Tracking System
NVLAP	National Voluntary Laboratory Accreditation Program
OCI	Organizational Conflicts of Interest
ODFSA	Officially Designated Federal Security Authority
ODSA	Officially Designated Security Authority
OMB	Office of Management and Budget
OPSEC	Operations Security
ORFSC	Oak Ridge Financial Service Center
ORPS	Occurrence Reporting and Processing System
OSF	Other Structures and Facilities
OUO	Official Use Only
PAAA	Price Anderson Amendment Act
PACRO	Paducah Area Community Reuse Organization
PAP	Performance Assurance Program
PAX	Private Automatic Exchange
PBX	Private Branch Exchange
PC	Personal Computers
PD	Post Decision
PDF	Portable Document Format
PGDP	Paducah Gaseous Diffusion Plant

PIDS	Property Information Database System
PII	Personally Identifiable Information
PIV	Personal Identity Verification
PM	Preventative Maintenance
POD	Plan of the Day
POMCs	Performance Objectives, Performance Measures, and Commitments
PPA	Property Protection Area
PPE	Personal Protective Equipment
PPIRS	Past Performance Information Retrieval System
PPPO	Portsmouth Paducah Project Office
PRB	Post-Retirement Benefits
PUB	Publication
PWS	Performance Work Statement
QA	Quality Assurance
QAP	Quality Assurance Program
QIP	Quality Assurance Implementation Plan
RD	Restricted Data
RCRA	Resource Conservation and Recovery Act
RFP	Request For Proposal
RMAIP	Risk Management Approach Implementation Plan
RMFO	Records Management Field Officer
RPMI	Railroad Preventive Maintenance Inspection
RPP	Radiation Protection Program
RSS	Radiological Site Services
RTP	Request for Task Proposal
SAM	System for Award Management
SARA	Superfund Amendments and Reauthorization Act of 1986
SBA	Small Business Administration
SCA	Service Contract Act
SDDC	Surface Deployment and Distribution Command
SEB	Source Evaluation Board
SECON	Security Conditions
SERT	Secure Electronic Records Transfer
SF	Standard Form
SNM	Special Nuclear Material
SO	Service Order
SP	Special Publications
S-RD	Secret Restricted Data
S&S	Safeguards and Security
SSIMS	Safeguards and Security Information Management System
SSP	Site Security Plan
SWMU	Solid Waste Management Unit
TBD	To Be Determined
TSCM	Technical Surveillance and Countermeasures
TYSP	Ten Year Site Plan
UCI	Unclassified Controlled Information

UCNI	Unclassified Controlled Nuclear Information
UL	Underwriters Laboratory
USC	United States Code
USDA	United States Department of Agriculture
USEC	United States Enrichment Corporation
USW	United Steel Workers
VAT	Vinyl Asbestos Tile
VIPERS	Vendor Inquiry Payment Electronic Reporting System
WBS	Work Breakdown Structure
WLAN	Wireless Local Area Network
WSHP	Worker Safety and Health Program

FY14 Annual Performance Agreement

Office of Environmental Management



U.S. Department of Energy

Office of Environmental Management

11/26/2013 Final

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Office of Environmental Management
FY 2014 Performance Agreement

The Office of Environmental Management (EM) is working to complete the safe cleanup of the environmental legacy brought about by five decades of nuclear weapons development and government-sponsored nuclear energy research. For FY 2014, EM's commitments advance the program and management goals, priorities, and expectations of the Department of Energy (DOE). They will move us toward a more efficient and effective organization by using a business model that reflects the management philosophy of empowering the Field with the authorities and resources necessary to successfully execute the EM Program mission safely. The "lapse in appropriations" at the beginning of the fiscal year has disrupted work execution and may delay completion of proposed milestones.

This Performance Agreement articulates the link between DOE's Strategic Goals and those of EM. It is intended to communicate the metrics used to measure progress, and convey the commitment of EM's Senior Management to the mission of DOE. This Agreement is the commitment by the EM leadership team to turn ideas into reality and resources into results.

DOE Strategic Plan and EM's Mission

In May 2011, the Department released its Strategic Plan, a document that outlines the broad, cross-cutting and collaborative goals that stretch across our complex. The Strategic Plan is intended to serve as a blueprint for DOE to help address the Nation's energy, environmental, and nuclear challenges through transformative science and technology solutions. At the heart of that plan are the following Departmental goals:

DOE Goal 1: Transform Our Energy Systems. Catalyze the timely, material and efficient transformation of the Nation's energy system and secure U.S. leadership in clean energy technologies

DOE Goal 2: The Science and Engineering Enterprise. Maintain a vibrant U.S. effort in science and engineering as a cornerstone of our economic prosperity with clear leadership in strategic areas

DOE Goal 3: Secure Our Nation. Enhance nuclear security through defense, nonproliferation, and environmental efforts

DOE Goal 4: Management and Operational Excellence. Establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success

The plan expresses how the Department's missions and programs are designed to bring the best minds and capabilities to bear on important problems. DOE draws on the diverse talents of our federal workforce, scientists and engineers from national laboratories, academia, and the private sector in multidisciplinary teams, striving to find solutions to the most complex and pressing

challenges. At the time of this writing, DOE has initiated efforts to develop a new Strategic Plan. Once completed, this Performance Agreement will be updated, as appropriate.

Measuring Progress

EM leadership has developed and assigned specific efforts targeted to further the overall mission of the organization. These management initiatives are each led by an assigned Deputy Assistant Secretary sponsor and will be implemented through a Plan of Action and Milestones (POAM). Many of these initiatives are multi-year efforts. The fiscal year 2014 specific activities to support them are included as performance metrics for FY 2014. A review of the status of these initiatives will be conducted on a bimonthly basis to ensure the organization is on-track to meet these high level commitments:

- Partner with NE to develop a strategy and alternatives for the utilization of WIPP for expanded material and waste forms. Resolve storage and disposition pathways of other waste forms
- Execute a National Academy of Science (NAS) study on Waste Classification in coordination with EM-10
- Complete first shipment of Hanford Tank Waste, considered and classified as TRU, to WIPP
- Complete construction of Low Activity Waste (LAW) facility at Hanford, along with direct feed capability and begin radioactive operations of the LAW facility no later than December 2019
- Complete construction by December 2016 and begin radioactive operations for the Salt Waste Processing Facility by December 2018
- Complete treatment of liquid sodium bearing waste at Idaho and close the four remaining liquid waste storage tanks. Achieve full operations, with high reliability, of IWTU
- Award of Paducah Site Surveillance & Maintenance contract
- Award the Expression of Interest/Request for Offerors for the future use of the Paducah gaseous diffusion plant and facilities and uranium tails
- Complete a site-by-site and contract-by-contract plan to consider and implement (as appropriate) the Deputy Secretary's principles for aligning contract management. Plan should include specific milestones and should include the participation of the relevant field office manager and the relevant DAS
- Review the regulatory framework for each site to determine flexibility in aligning expectations (to include potential new milestones and agreements under discussion) with current and out-year budget projections
- Implement process/procedures for scrap metal recycling to address: 1) clean materials in clean areas; 2) clean material in contaminated areas; and 3) contaminated materials in contaminated areas. Initial approach may focus on nickel recycling
- Prepare an EM analysis to assess the EM HQ and Field workforce/skills mix to justify increasing EM’s FTE personnel cap. Prepare a presentation to OMB
- Determine viability of processing graphite matrix coated used nuclear fuel (UNF) at SRS
- Continue Safety Conscious Work Environment (SCWE) training for all HQ EM staff. Develop and implement ongoing Safety Culture sustainment actions based on the information from the safety culture extent of condition review and benchmarking data

- Analyze Infrastructure and Min-Safe activities and costs across EM sites. Establish guidance if necessary
- Continue H-canyon operations in support of non-proliferation activities. Facilitate cost-effective use of the Nation's only large-scale operating chemical and nuclear processing facility and comply with the public law by maximizing utilization of H-canyon facilities

Goals and Metrics

EM's primary responsibility is the safe cleanup of the environmental legacy of research and materials production by DOE and its predecessor agencies for which Congress established the EM Program. Programmatic success will be measured by *what* is accomplished, that is the number of sites restored, quantities of waste treated and disposed of, amounts of soil and groundwater remediated, etc. However, overall success will also be measured by *how* the program is managed, i.e., through critical management goals such as safety performance, project and contract management, and excellence in business management practices. To support this commitment to both improvement and programmatic success, EM has identified the following goals, strategies and metrics specifically for FY 2014. These goals evolve directly from DOE's 2012 Amended Strategic Goals articulated by the Secretary of Energy.

Safety Culture

The safety of EM workers is a core value that is incorporated into every aspect of the EM program. To best protect our workers, EM has a goal of zero accidents or incidents in the work place and to date, has maintained a strong safety record. EM continues to utilize the Integrated Safety Management System to ensure that all work activities are appropriately scoped, analyzed for hazards, comprehensively planned to eliminate or mitigate those hazards, and effectively performed by trained employees. In addition, EM follows DOE Order 226.1B; *Implementation of Department of Energy Oversight Policy* that establishes the philosophy that line management is responsible for ensuring safety when work is performed. EM seeks to continue safety improvements by instituting corrective actions, promoting lessons learned, and developing new or improved processes.

Goal 1:	Improve safety, security and quality performance towards a goal of zero accidents, incidents, and defects and continue to improve the EM Complex-Wide Safety Culture

Strategies

- Use rigorous management oversight to help ensure EM sites and projects integrate safety, security and quality throughout their lifecycle, including planning, procurement, design, engineering, construction, commissioning, operation, deactivation/decommissioning, and environmental restoration
- Foster a safety culture that promotes quality work in a safe and secure manner by establishing strong leadership behaviors that reflect EM's expectations

- EM will further the implementation of Safety Conscious Work Environment (SCWE) training to all HQ EM staff. Develop and implement ongoing safety culture sustainment actions based on the information from the safety culture extent of condition review and benchmarking data in accordance with DOE's Safety Culture Improvement Implementation Plan
- Develop a transparent relationship with the Defense Nuclear Facilities Safety Board (DNFSB) to expeditiously resolve DNFSB concerns and issues
- For response to formal DNFSB correspondence requiring field input, the Field will submit final products at least 30 days prior to the established formal deliverable due date for Headquarters processing
- Collect key performance metrics that monitor the health of key security programs and equipment to prevent identified adverse outcomes or events, track data, and investigate and address emergent negative trends
- EM will continue to implement its Corporate Quality Program consistent with the quality requirements established in DOE O 414.1D, "Quality Assurance"

Metrics

- Metric 1.01: Maintain an average Total Recordable Case rate of <1.1 and a Days Away from Work, Restricted Work or Transfer case rate of <0.6
- Metric 1.02: Finalize implementation of EM-QA-001 Revision 1 by September 30, 2014, and verify through a HQ assessment of each EM field organization
- Metric 1.03: Ensure at least 80 percent of EM sites and contractors have documented performance metric processes and maintain key performance metrics that monitor the health of key security programs and equipment
- Metric 1.04: Maintain less than 20 percent overdue action items resulting from Defense Nuclear Facilities Safety Board (DNFSB) letters or recommendations
- Metric 1.05: Meet Federal Information Security Management Act (FISMA) requirements in accordance with planned EM activities
- Metric 1.06: Accomplish a web application penetration test of 50 public facing applications throughout the enterprise by September 30, 2014, such that vulnerabilities are discovered and mitigated

Reducing Lifecycle Cost

EM will continue to identify opportunities to make strategic investments that reduce the overall cost of the cleanup program while shortening project and program schedules. The current life-cycle cost estimate for EM is $274 to $309 billion. This includes $100 billion in actual costs from 1997 through 2011, and an additional estimate of $174 to $209 billion to complete EM's remaining mission in the timeframe of 2050 to 2062. EM will continue to identify opportunities, including technology development, to reduce the life-cycle cost of its program. In FY 2014, EM plans to continue investing in technologies that might/could reduce life-cycle costs, such as modeling to predict complex behaviors of radionuclides; developing in situ decommissioning sensor performance monitoring; investigating small column ion exchange technology to reduce cost of treating liquid waste; and evaluating the effects of placing heat-generating radioactive waste in a salt repository.

Goal 2:	Continue cleanup progress in a cost effective manner that is risk-informed, engages stakeholders, applies innovative solutions and provides value to the American taxpayer

Strategies

- Reduce risk, lower cost, and accelerate project completion by using the best scientific and technical resources available to ensure the technologies selected for development and deployment are appropriate
- Ensure projects have the tools necessary to succeed in the most efficient manner by working with the Federal staff, contractors, and union representatives to identify their needs
- Use Construction Project Reviews to identify and assist in resolution of key project issues regarding scope, cost, schedule, project risk management, security requirements, and technical approach
- Ensure Construction Project Review recommendations align with contract requirements. Partnership agreements may be considered but are informal
- Continue to implement the Operations Activity Protocol issued as Revision 0, March 15, 2012, conduct quarterly reviews of operations activities and revise as needed based on lessons from implementation
- Implement process/procedures for scrap metal recycling to address: 1) clean materials in clean areas; 2) clean material in contaminated areas; and 3) contaminated materials in contaminated areas. Initial approach may be to focus on nickel recycling
- Develop a strategy and alternatives for disposition of EM-owned wastes and nuclear materials, including evaluation of feasibility of disposal in a salt environment and potential changes to WIPP mission
- Continue to safely transport and dispose of RH-TRU from Argonne National Laboratory in support of reducing laboratory facility below Category 3 level as funding allows
- Reduce the life cycle cost by evaluating and implementing opportunities transferring leasing EM assets for reindustrialization and reutilization especially for renewable energy projects in support of DOE mission
- Work towards substantially completing the Low Activity Waste Vitrification Facility Construction by December 31, 2014
- Expand the use of authorized limits to support a cost effective approach to site remediation and D&D: specifically apply to Gaseous Diffusion Plants, in coordination with Portsmouth and/or Paducah
- Finalize and implement Operation Activity Manager certification program metrics

Metrics

- Metric 2.01: Working with stakeholders, industry and the sites create at least one business model for reindustrialization and reutilization for renewable energy projects on EM lands based on public-private partnership approach
- Metric 2.02: Review the regulatory framework for each site to determine flexibility in aligning expectations with current and out-year budget projections

- Metric 2.03: Complete final evaluation for procurement process to acquire services to deactivate the Paducah Gaseous Diffusion Plant upon turnover from the USEC
- Metric 2.04: Finalize agreement for sale of depleted and off-specification Uranium Hexafluoride Inventories at Paducah and Portsmouth
- Metric 2.05: Initiate an Environmental Assessment (EA) to evaluate the impacts of the receipt, storage and disposition of the German graphite spheres
- Metric 2.06: Conduct two workshops through the National Academy of Sciences on best practices for risk-informing decisions on remedies and closure and post-closure activities
- Metric 2.07: Implement requirement for certification of Operation Activity Managers by December 31, 2013

Achieving Excellence in Contract and Project Management

To ensure that EM delivers the best value for the American taxpayers, the FY 2014 budget request reflects continued improvement in acquisition, contract, and project management. EM will further improve acquisition processes by obtaining early involvement and approvals on various acquisition approaches from DOE senior management, including the Office of Acquisition and Project Management, the Office of the General Counsel, and the Office of Small and Disadvantaged Business Utilization.

EM's continued progress in contract and project management has resulted in EM meeting three of the five criteria needed in order to be removed from the Government Accountability Office's (GAO) High Risk List. One of GAO's remaining concerns is that EM must provide the capacity (people and resources) to address problems. EM's reorganization of February 2012 established project sponsor positions at Headquarters for all capital asset projects Field project and contract management resources will be evaluated to determine and address any gaps in staffing and skills for proper oversight so that any gaps can be addressed. GAO's second remaining concern is that EM must monitor and independently validate the corrective measures that it has taken to help ensure they are both effective and sustainable over the long term. EM's Annual Performance Agreement has been established as a vehicle for measuring, tracking, and validating progress. EM has also developed a Continuous Improvement Program for Contract and Project Management to guide and monitor improvements.

Goal 3:	Improve management of contracts and projects/operations activities with the objective of delivering results on time and within cost

Strategies

- Annually assess contract and project management staffing and skills to build and sustain needed capacity for Federal oversight of EM mission. *(GAO High Risk Criteria)*
- Independently validate the effectiveness and sustainability of contract and project management improvement actions through project and contract management reviews. *(GAO High Risk Criteria)*

- Improve acquisition planning and contract management by adhering to principles described in Deputy Secretary's policy memorandum of December 13, 2012: 1) always seeking to align contractor interest with taxpayer interest; and 2) structuring contracts so that each party bears responsibility for its own actions
- Improve the timeliness of approvals for contract performance baselines, contract modifications, and project/operations activity changes to maintain contract, project/operations activity and budget alignment by ensuring change management requirements and guidance is understood and being followed
- Increase the use of prime contractor small businesses
- Become a stronger owner by ensuring requirements are clearly delineated in the contracts, by holding contractors accountable for delivering results, and by ensuring contractors' performance is fairly documented
- Execute world-class contract and project management, and administration of traditional contracts in accordance with OMB Circular A-123, Federal Acquisition Regulation, Department of Energy Acquisition Regulation, EM Head of Contracting Activity directives to ensure the activities listed below are executed in strict compliance: 1) separation of duties and functions; 2) performance evaluation and measurement; 3) fee determination; 4) timely approval, recording/documentation of changes; 5) resolution of audit findings and other deficiencies; 6) management of acquisition workforce; 7) proper review and certification of business systems; and 8) timely contract closeout
- Make progress in resolving the five oldest outstanding contract changes at each site

Metrics

- Metric 3.01: Achieve the overall prime contract small business goal of 6% for each site with a stretch goal of meeting the current DOE goal
- Metric 3.02: Approve contract performance baselines with work aligned with the contract for the following contracts: 1) DUF6 Conversion Plants; 2) ORP Tank Operations; 3) Waste Treatment and Immobilization Plant project; 4) Salt Waste Processing Facility project; and for all new contracts within 180 days after transition
- Metric 3.03: Implement partnering agreements for the following two contracts: 1) Savannah River Nuclear Solutions; and 2) Idaho Treatment Group
- Metric 3.04: Ensure 90% of capital projects have Federal Project Directors that are certified at the appropriate level assigned to projects not later than CD-3
- Metric 3.05: Complete 16 project peer reviews for active post CD-0 capital projects with TPCs greater than $10M
- Metric 3.06: Complete a site-by-site and contract-by-contract plan to consider and implement (as appropriate) the Deputy Secretary's principles for aligning contract management
- Metric 3.07: Ensure 95% of contractors maintain their Earned Value Management System certification, when EVMS is required by the contract

Management Excellence

As described in DOE's Strategic Plan, EM's success will require a sustained commitment to management excellence from Headquarters to every site office, service center, laboratory, and production facility. Management principles will be translated into action by focusing on operational and technical excellence. That excellence requires developing the most highly qualified, capable, and flexible federal workforce. Additionally, our management principles require implementation of a performance-based culture that clearly links work to agency goals, hold employees accountable for meeting our mission, and appropriately rewards employees for their efforts. These concepts are represented in EM's fourth goal.

Goal 4:	Achieve excellence in leadership and resource management by championing financial stewardship, integrating business processes, optimizing EM culture change, and improving communications with the objective of enhancing accountability and achieving performance results

Strategies

- Use surveys to identify where EM can enhance its customer and stakeholder relationships and implement improvements
- Utilize the results of the Employee Viewpoint Survey to implement actions that will improve all aspects of the EM Workplace and enhance mission execution

Metrics

- Metric 4.01: Analyze Infrastructure and Min-Safe activities and costs across EM sites. Complete Report on the Analysis of Infrastructure And Min-Safe Activities
- Metric 4.02: Prepare an analysis to assess the EM HQ and Field workforce/skills mix and prepare a presentation to OMB by December 2013.
- Metric 4.03: Ensure at least 90% of employees are either on current IDPs or EEPs that align to EM goals and objectives. Review employee Learning and Development progress on a quarterly basis
- Metric 4.04: Develop a strategic framework that integrates leadership culture, employee engagement, safety conscious work environment and diversity and inclusion to implement improvements in organizational culture
- Metric 4.05: Develop an EM complex-wide Human Capital Management Plan to include strategies for Knowledge Transfer
- Metric 4.06: Develop an EM career intern program based on the DOE new Pathways program

Sustainability

As stated in the DOE Strategic Plan, "*The Department is uniquely positioned to lead by example in transforming domestic energy use. Integrating sustainability throughout the Department is an essential aspect of implementing Executive Order 13514, Federal Leadership in Environmental Energy, and Economic Performance, and Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management, as well as related statutes, and meeting or exceeding all required energy management and environmental goals. As stated in the U.S. Department of Energy Strategic Sustainability Performance Plan (SSPP), the Department will reduce greenhouse gas emissions from onsite combustion of fossil fuel, fugitive emissions, and purchased power by 28% and reduce emissions from outside sources—such as business travel and employee commuting—by 13% by 2020. We will strive to exceed these goals at our own facilities by incorporating sustainability into all corporate management decisions, continually improving our operations and existing infrastructure to maximize efficient use of energy and natural resources, and ensuring, whenever built, new facilities are highly energy efficient*. We will also meet the new goal on Climate Change Adaptation which has been elevated by the President's Climate Action Plan in June, 2013". The strategies and metrics of EM's Goal 5 are our responses to the Sustainability challenge.

Goal 5:	Execute the EM Mission in a Sustainable Manner

Strategies

- Meet Executive Order 13514 - reduce energy intensity in agency buildings, by soliciting suggestions from the staff and contractors
- Identify means for reducing the overall EM carbon footprint
- Utilize the Department's Energy Saving Performance Contract (if viable) or alternative data center optimization practices to reduce the IT data center's infrastructure footprint while providing state of the art services
- Identify activities that promote climate change adaptation and mitigation
- Work with local jurisdictions, as appropriate, to develop regional partnerships for climate change information sharing and collaboration

Metrics

- Metric 5.01: Promote effective IT energy conservation practices across EM, with at least 3 sites joining, or continuing to participate in, EPA's "Federal Green Challenge" (FGC) or winning a DOE Sustainability (Green IT) award by September 30, 2014
- Metric 5.02: Utilize DOEGRIT or DC Pro energy efficiency assessment tools at 2 EM data centers to document baseline configurations by September 30, 2014
- Metric 5.03: Reduce EM's IT data center footprint by 20% by September 30, 2014
- Metric 5.04: Conduct detailed risk or vulnerability assessments, as appropriate, for selected EM site(s)
- Metric 5.05: Update site sustainability plans to address climate change resiliency

Process and Procedure

The Office of Program Planning and Budget will track/monitor the progress on strategies and metrics identified in this agreement and provide periodic reports to EM Management. EM DASs, Field Managers and Office Directors will update the status of all items on a quarterly basis through the predetermined tracking or reporting systems involving the appropriate field sites as needed. All changes to goals and/or metrics will be fully vetted, documented and used as lessons learned when appropriate. All the results will be evaluated and assessed to ensure success meeting of goals as well as their effectiveness and appropriateness. The results of these assessments will be considered for lessons learned and possible impact on FY 2014 goals.

EM Senior Advisor Support

In order to accomplish the goals herein described, it is the EM Senior Advisor's objective to *provide visible, high profile support to:*

- Ensure that the necessary resources are in place to promote the success of these goals
- Communicate goal achievement and progress periodically through EM Updates, Reports and other media
- Formally recognize superior efforts in achieving goals through incentive awards
- Communicate, negotiate and mitigate responses and issues with senior Department and private sector officials

Terms of Agreement

This agreement is intended to improve the internal management of the U.S. Department of Energy's Office of Environmental Management and is not intended to and does not create any right, benefit, trust or responsibility, substantive or procedural, enforceable by law or equity by any party against the U.S. Department of Energy, its agencies, its officers, or any person. This agreement will remain in effect until modified. It is expected that it will be updated as needed to reflect significant changes in budget, policy, personnel or other factors that may affect the accomplishment of objectives. This agreement represents our joint commitment to an EM that works better, costs less, and fulfills our sacred trust to the American People.

EM Senior Advisor Date

Principal Deputy Assistant Secretary Date

Associate Principal Deputy Assistant Secretary Date

Chief of Staff Date

Manager, Carlsbad Field Office Date

Office of External Affairs Date

Manager, Consolidated Business Center Date

Deputy Assistant Secretary Site Restoration Date

Manager, Idaho Operations Office Date

Deputy Assistant Secretary, Tank Waste & Nuclear Material Date

Manager, Oak Ridge Operations Office Date

Deputy Assistant Secretary, Waste Management Date

Manager, Office of River Protection Date

Deputy Assistant Secretary, Safety, Security & Quality Programs Date

Manager, Portsmouth/Paducah Project Office Date

Deputy Assistant Secretary, Acquisition & Project Management Date

Manager, Richland Operations Office Date

Deputy Assistant Secretary, Program Planning & Budget Date

Manager, Savannah River Site Date

Deputy Assistant Secretary, Human Capital & Corporate Services Date

Appendix: Field Operation Strategies and Metrics

Carlsbad

Strategies

- Support INL for TRU shipments related to the consent order
- Support ORP with the definition of the path forward for the Tank CH-TRU waste
- Update the long term strategy for WIPP

Metrics

- CBFO-01: Complete the safe transport and disposal of combustible TRU from Los Alamos in accordance with the Framework Agreement by June 30, 2014
- CBFO-02: Utilize TRUPACT3 to safely transport 46 shipments of CH-TRU waste from Savannah River Site for disposal in the WIPP by September 30, 2014
- CBFO-03: Disposition 4,500 cubic meters of waste collectively from the TRU waste inventories managed at waste storage facilities across the EM complex by September 30, 2014
- CBFO-04: Design heater canisters and control system to evaluate the effects of heat generating radioactive waste disposal in a salt repository as funding allows by September 30, 2014

Consolidated Business Center

Metrics

- CBC-01: Achieve 15% small business prime contracting
- CBC-02: Achieve $10M in cost savings through further implementation of the Strategic Sourcing Initiative in FY14
- CBC-03: Award Engineering Technology Engineering Center (ETEC) Contract in FY14
- CBC-04: Complete solidification and shipment of 9,000 gallons of SPRU Tank Residual Radioactive Waste from Building H2 in FY14

ETEC

Metrics

- ETEC-01: Complete chemical and radiological soil characterization that defines the nature and extent at the ETEC site by June 30, 2014
- ETEC-02: Complete the Notice of Intent (NOI) and re-Scoping of the NEPA process by April 30, 2014
- ETEC-03: Complete the groundwater characterization for the Area IV responsibilities by September 30, 2014

Idaho

Strategy
- Maintain shipments of TRU waste to WIPP in accordance with WIPP's integrated schedule

Metrics
- INL-01: Begin hot operations of the Idaho Integrated Waste Treatment Unit (IWTU) by June 30, 2014
- INL-02: Complete exhumation work at the Accelerated Retrieval Project (ARP) II and III facilities by March 30, 2014

LANL

Strategies
- Submit approval of interim work plan on chromium in groundwater
- Resolve litigation on 2010 RCRA Permit

Metrics
- LANL-01: Complete Framework Agreement Legacy TRU Waste Disposal Component: Dispose of 1,106 m3 legacy TRU waste under 3706 TRU Campaign by June 30, 2014
- LANL-02: Submit supplemental interim work plan on chromium in groundwater
- LANL-03: Submit integrated Lifecycle Baseline to Headquarters for approval by July 30, 2014

Moab

Strategy
- Continue efforts to reduce project life cycle costs and reduce the overall project completion schedule

Metrics
- Moab-01: Safely transport and dispose of 650K tons of Uranium Mill Tailings by September 30, 2014
- Moab-02: Continue groundwater cleanup with the extraction of 15,000,000 gallons of water and removal of 250 lbs of uranium by September 30, 2014

Nevada

Strategies
- Continue progress toward closure of approximately 900 subsurface contaminated groundwater sites
- Continue audits and waste certification reviews in support of generator programs to ensure compliance with the Nevada National Security Site Waste Acceptance Criteria

Metric

- NNSS-01: Complete characterization activities for 19 contaminated soil sites and closure of 16 contaminated soil sites

Oak Ridge

Strategy

- Establish a TRU Central Characterization Program through CBFO

Metrics

- ORO-01: Submit integrated lifecycle baseline updates to Headquarters for approval by December 31, 2013
- ORO-02: Obtain agreement from regulators for the siting of the Environmental Management Disposal Facility by September 30, 2014
- ORO-03: Submit CD-1 package for the Outfall 200 project in sufficient time for approval by September 30, 2014
- ORO-04: Complete demolition and waste disposal for four of the remaining six units of the K-25 Building at Oak Ridge's East Tennessee Technology Park by September 30, 2014
- ORO-05: Renegotiate the current STP milestone for construction start of the sludge build out project by September 30, 2014

Office of River Protection

Strategies

- Resolve issues with respect to the High Level Waste Facility sufficiently that plans can be completed and construction ramped up to planned level in FY14
- Continue construction on Analytical Laboratory, Low Activity Waste Facility, and Balance of Facilities
- Define the path forward for the tanks that potentially contain contact-handled TRU waste

Metrics

- ORP-01: Complete the High-Level Waste (HLW) Facility Technical Issue Resolution Plan so that decision can be made on resumption of HLW production engineering and appropriate construction by June 30. 2014
- ORP-02: Complete an initial version of the Interface Control Document (ICD) 19 that provides the waste characterization feed parameters necessary to optimize Full Scale Vessel Testing by September 30, 2014
- ORP-03: Complete hard-heel waste removal from 4 single shell tanks in C Farm by September 30, 2014
- ORP-04: Restart the 242-A Evaporator and conduct 3 evaporator campaigns by July 30, 2014
- ORP-05: Complete a Pretreatment Facility Technical Issue Resolution Plan for the Waste Treatment Plant project that outlines scope and schedule to resume Pre-Treat Facility engineering and return the HLW Facility to construction status by September 30, 2014

Portsmouth/Paducah

Metrics

- PPPO-01: Complete process to support issuance of ROD on CERCLA cell at Paducah
- PPPO-02: Submit to Ohio Environmental Protection Agency (Ohio EPA) the Proposed Plan for the Site-Wide Waste Disposition Evaluation Project by September 30, 2014
- PPPO-03: Establish long term operational parameters and align operational baseline for DUF6 by September 30, 2014
- PPPO-04: Submit to Ohio EPA the Proposed Plan for the Process Buildings and Complex Facilities D&D Evaluation Project by September 30, 2014
- PPPO-05: Disposition Legacy and newly generated LLW & MLLW of 10,000 cubic meters
- PPPO-06: Remove 50 complete cells of process gas equipment from X-326 process building at the Portsmouth Gaseous Diffusion Plant
- PPPO-07: Complete shipment of a combination of 500 converters and compressors from the X-326 process building

Richland

Strategies

- Initiate implementation of beryllium corrective action plan products into the site's Chronic Beryllium Disease Prevention Program (CBDPP)
- Issue the draft natural gas pipeline Environmental Impact Statement for public comment

Metrics

- RL-01: Complete removal of the 174 glove boxes associated with Plutonium Finishing Plant capital asset project
- RL-02: Complete cleanup of 80 waste sites in the Columbia River Corridor
- RL-03: Complete decontamination and demolition of all (11) surplus facilities in the Columbia River Corridor (except 324 Building and 100K)
- RL-04: Remediate 1.8 Billion gallons of contaminated groundwater

Savannah River

Strategies

- Continue processing Used Nuclear Fuel (e.g., Sodium Reactor Experiment (SRE); Material Testing Reactor (MTR); and High Flux Isotope Reactor (HFIR) at H Canyon)
- Dissolve plutonium feedstock in H Canyon to feed HB line for conversion to oxide (for MOX), meeting HB-Line throughput requirements
- Perform activities to reduce the risk to personnel and the environment by reducing the residual plutonium-238 contamination in the F-Area Materials Storage Facility (235-F) as committed in DNFSB Recommendation 2012-1

Metrics

- SRS-01: Dissolve plutonium feedstock in H Canyon at the Savannah River Site to feed HB line for conversion to oxide (for MOX), meeting HB-Line throughput requirements
- SRS-02: Perform activities to reduce the risk to personnel and the environment by reducing the residual plutonium-238 contamination in the F-Area Materials Storage Facility (235-F) as committed in DNFSB Recommendation 2012-1
- SRS-03: Produce 100 canisters of highly radioactive waste with 2 million curies at the Defense Waste Processing Facility at Savannah River by September 30, 2014
- SRS-04: Perform activities to support 46 TRUPACT3 shipments of Legacy CH-TRU Waste out of SRS to the WIPP by September 30, 2014.
- SRS-05: Close Tanks 5 and 6 at the Savannah River Site by September 30, 2014
- SRS-06: Tank waste processed for disposition (mass of sodium): 400 metric tons by September 30, 2014
- SRS-07: Accept FRR and DRR receipts as agreed to with NNSA
- SRS-08: Complete processing Sodium Reactor Experiment (SRE) Fuel and begin treatment of aluminum-clad spent nuclear fuel
- SRS-09: Determine viability of processing graphite matrix coated used nuclear fuel (UNF)
- SRS-10: Complete CPA 100 foot elevation north labyrinths piping installation.
- SRS-11: Implement Savannah River National Laboratory Infrastructure Plan to reduce operational cost by facility and scientific instrument renewal as well as an improved Asset Condition Index

West Valley

Strategy

- Build a dry cask storage system for HLW canisters to permit timely D&D of the site.

Metrics

- WVDP-01: Complete demolition of the Environmental Lab by June 30, 2014
- WVDP-02: Complete fabrication of eight Vertical Storage Casks and eight Multi Purpose Canisters for the High-Level Waste Canister Relocation Project by September 30, 2014
- WVDP-03: Complete Vitrification Cell decontamination and final survey by September 30, 2014