SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.2.2 Listing of Other Site Contractors' Equipment Being Maintained

Phase I: 12/01/2015 – 04/30/2017

Calibrations	800 per year
Repairs	700 per year

Phase II: 05/01/2017 – 09/30/2020

Calibrations	900 per year
Repairs	700 per year

Radiation Equipment

The following is a description and estimated quantity of the types of equipment utilized at the Paducah Site. The quantities are estimates and provided only for better understanding of the types of equipment and quantities that will require calibration.

Instrument Category	Type Instrument	Estimated Maximum Quantity
EPD	EPD	140
Portable instruments	alpha scalers	91
	beta scalers	107
	dose rate	50
	teletectors	7
	FIDLER	8
	NaI	6
Tabletop instruments	alpha/beta scalers	25
	smear counters	25
	High volume	15
	Solar	7
	Low volume	105
	Personal air sampling pumps	80
	Air sampler calibrators	10
Fixed monitor	landfill portable monitor	2
Personnel monitors	hand and foot	40
	half body	30
	alpha	35
	Beta	35

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)

Phase I: 12/01/2015 – 05/31/2017

Estimated Dosimetry and Bioassay Samples Per Contract Year			
Organization	**Dosimetry**	**PNAD**	**BioAssay**
Deactivation Contractor	4,500	400	3,000
DOE and Support Contractors	250	100	50

Phase II: 06/01/2017 – 09/30/2018

Estimated Dosimetry and Bioassay Samples			
Organization	**Dosimetry**	**PNAD**	**BioAssay**
Deactivation Contractor – 6/1/17 – 10/19/17	1,800 (900 exchanged 7/17 and 900 to be returned 10/17)	250 (to be returned 10/17)	908 (308 performed 6/17 to 9/17 and 600 performed by 10/17)
Deactivation and Remediation Contractor 10/20/17 – 12/31/17	300 Quarterly Change-outs	900 Annual Change-outs	50 new hires
Deactivation and Remediation Contractor Annually beginning 1/1/2017	300 total Annual Change-outs	900 Annual Change-outs	1,000 tests/year
Deactivation and Remediation Contractor Additional TLDs FY18	550 Additional		

Estimated Dosimetry and Bioassay Samples Per Contract Year			
Organization	**Dosimetry**	**PNAD**	**BioAssay**
DOE and Support Contractors	70	50	25

Phase III: 10/1/2018 – 9/30/2020

Estimated Dosimetry and Bioassay Samples			
Organization	**Dosimetry**	**PNAD**	**BioAssay**
Deactivation and Remediation Contractor Annually	850 total Annual Change-outs Starting 1/1/2019	400 Annual Change-outs Starting 10/1/2018	1,100 tests/year Starting 10/1/2018
Deactivation and Remediation Contractor Additional TLDs FY19	100 Additional		
Deactivation and Remediation Contractor Additional TLDs FY20	100 Additional		
Estimated Dosimetry and Bioassay Samples Per Contract Year			
Organization	**Dosimetry**	**PNAD**	**BioAssay**
DOE and Support Contractors	70	50	25

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

Table of Contents

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

Facility	Number
C-755	5
C-764	3
C-103	3
C-100 Post -1	6
C-100 Property Protection Area	1
Post -15	4
Post -48	3
Portable Portals	2
C-300	1
C-100 (Server Room)	1
C-100 (Telecomm Room)	1
C-200 Armory	3
C-200 Weapons Vault	1
C-720 Post 29	2
C-104 Canopy / Post 57*	4
C-104*	6

*Construction in process – maintain upon commissioning.

The Infrastructure Contractor does not maintain AACSs for DUF[6].

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	D&R	ETS	DOE
Cell/Blackberry/Smartphone equipment	Y	Y		
Mobile Device Management service	Y	Y		
Copier equipment	Y	Y	Y	Y
Copier maintenance	Y	Y	Y	Y
Copier - toner	Y	Y	Y	Y
Copier - paper & other media	Y	Y	Y	Y
Printer equipment	Y	Y	Y	Y
Printer consumables (toner, etc.)	Y	Y	Y	Y
Printer paper	Y	Y	Y	Y
Computer hardware	Y	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

Table of Contents:

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
Printers	142	N/A	142	0	142*
Plotters	9	0	9	3*	12

* Approximately 80 will be excessed over the next year to reduce printer usage to 60 devices.
* To be excessed.

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

NUMBER	MAKE	VEHICLE TYPE	YEAR	VEHICLE TYPE	OWNER
E-201627	FRE	FREIGHTLINER WATER TRK	2000	HD	DOE
E-303622	FORD	0ESS131 FORD ESCAPE HYBRID	2009	LD SUV 4X2	DOE
E-303623	FORD	0ESS132 FORD ESCAPE HYBRID	2009	LD SUV 4X2	DOE
E-303624	FORD	0ESS133 FORD ESCAPE HYBRID	2009	LD SUV 4X2	DOE
E-303625	FORD	0ESS134 FORD ESCAPE HYBRID	2009	LD SUV 4X2	DOE
E-303626	FORD	0ESS135 FORD ESCAPE HYBRID	2009	LD SUV 4X2	DOE
E-303627	FORD	0ESS136 FORD ESCAPE HYBRID	2009	LD SUV 4X2	DOE
E-303628	CHEVY	0ESS137 CHEVY SILVERADO 4X4	2009	LD PICKUP 4X4	DOE
E-303629	FORD	0ESS138 FORD F-150	2010	LD PICKUP 4X2	DOE
E-303630	FORD	0ESS139 FORD F-150	2010	LD PICKUP 4X2	DOE
E304357	FORD	FORD F250	1997	MD OTHER	DOE
E304359	CHEVY	SILVERADO PICKUP 4X2	2007	LD PICKUP 4X2	DOE
E304794	CHEVY	CHEVY SILVERADO 4X4	2008	LD PICKUP 4X4	DOE
G13-2421S	FORD	FORD FOCUS	2016	SEDAN SUB.	GSA
G13-7221P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7222P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7223P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7224P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7227P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7228P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7229P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7230P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7231P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G13-7232P	FORD	FORD FOCUS	2014	SEDAN SUB.	GSA
G32-0920U	FORD	FORD BUS	2018	BUS	GSA
G41-2989V	DODGE	DODGE GRAND CARAVAN	2018	LD MINIVAN 4X2 PASS	GSA
G41-4630R	FORD	TRANSIT CONNECT	2015	LD MINIVAN 4X2 PASS	GSA
G42-0420L	CHEVY	CHEVY EXPRESS	2011	LD VAN 4X2 CARGO	GSA
G42-2300P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2301P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2302P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2303P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2304P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2305P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2306P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2307P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2308P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2309P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2310P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2311P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA

NUMBER	MAKE	VEHICLE TYPE	YEAR	VEHICLE TYPE	OWNER
G42-2312P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2313P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2314P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2315P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2321P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2328P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G42-2338P	FORD	FORD F-150	2014	LD PICKUP 4X2	GSA
G43-0626L	CHEVY	CHEVY C2500	2011	MD OTHER	GSA
G43-0857S	FORD	FORD F-250	2016	MD OTHER	GSA
G43-0858S	FORD	FORD F-250	2016	MD OTHER	GSA
G43-0862S	CHEVY	CHEVY EXPRESS	2016	MD VAN CARGO	GSA
G43-3911P	CHEVY	CHEVY EXPRESS	2015	MD VAN CARGO	GSA
G62-2506V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-2507V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-2508V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-2509V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-2510V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-2511V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-2512V	DODGE	1500 CREW CAB	2018	PICKUP 4X4	GSA
G62-3946K	CHEVY	SILVERADO 4X4	2011	LD PICKUP 4X4	GSA
G62-4310P	FORD	FORD F-150 4X4	2014	LD PICKUP 4X4	GSA
G63-2445U	FORD	FORD F-250 4X4	2017	MD OTHER	GSA
G63-2733M	FORD	FORD F-250	2012	MD OTHER	GSA
G71-0090U	FORD	FORD F-450	2009	HD	GSA
G71-0577V	FORD	FORD F-450	2019	PICKUP 4X4	GSA
G82-0116M	INTER	INTER. DUMP TRUCK	2013	HD	GSA
G82-0921V	MACK	MACK DUMP TRUCK	2018	HD	GSA
215472	FREIGT.	BUCKET TRUCK	2014	COMM LEASE	Other Lease

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 Buildings/Structures for Surveillance and Maintenance Performed by the Contractor: 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 Buildings/Structures for Surveillance and Maintenance Performed by the Contractor: Government Furnished Facilities for use by the Contractor

Facility Identification #	Property Name	Model Building Type	Roofing System	Secure Keys, Vaults, Locks	Gross Sqft	Year Built	No. of Floors
C-102-T02	Trailer – Office	MB05 Steel Light Frame	Coated Metal				
C-102-T03	Trailer – Office	MB05 Steel Light Frame	Coated Metal				
C-103	DOE Office Facility and Annex	MB13 Reinforce Masn Bear Walls/Wood,Metl Deck Dphm; Annex – Masonite siding, Modular	Rubber over concrete Annex - Rubber over metal		13,848	1997 208	1
C-103-C	Canopy	N/A			400		1
C-104	Access Control Facility	Storm Shelter – Concrete Reinforced Masn Bear Walls	Rubber over metal		2,912	2019	1
C-612-B	Storm Shelter	In ground steel	Metal		48		1
C-720-M T01	Trailer - Computer Maintenance				160		1
C-720-M T02	Trailer - Computer Maintenance				160		1
C-725	Building – Janitorial Storage				410		1
C-730-A	Storm Shelter	In ground steel	Metal		48		1
C-732	Salt Storage (C-732-1)				1680		1
C-743-B	Storm Shelter	In ground steel	Metal		160		1
C-743-C	Storm Shelter	In ground steel	Metal		96		1
C-743-T14	Trailer, Office	MB05 Steel Light Frame	Coated metal		1,600	1992	1
C-746-U4	Storm Shelter	Steel, in ground	Metal		72		1
C-750	Garage	MB04 Steel Braced Frame	Built up asphalt		11,866	1952	1
C-752-B-T01	Fuel Station Trailer				96		1
C-755-A	Maintenance Shop	MB05 Steel Light Frame	Steel		3,360	1994	1
C-755-A1	Brine Solution Building	Prefab, Fiberglass	Fiberglass				
C-755-B	Building						1
C-755-C	Building						1
C-755-D	Guard Shack						1
C-755-E	Storm Shelter	In ground steel	Metal		160		1
C-755-F	Storm Shelter	In ground steel	Metal		160		1
C-755-G	Storm Shelter	In ground steel	Metal		160		1
C-755-H	Storm Shelter	In ground steel	Metal		160		1
C-755-T05	Trailer – Office				1600		1

Facility Identification #	Property Name	Model Building Type	Roofing System	Secure Keys, Vaults, Locks	Gross Sqft	Year Built	No. of Floors
C-755-T08B	Shower and Change Trailer (formerly C-755-T17)						1
C-755-T17A	Trailer, Shower & Change Room	MB05 Steel Light Frame	Coated metal		840	2000	1
C-755-T18	Trailer – Office (Leased)				1,536		1
C-755-T19	Trailer – Office/Break (Leased)				2,160		1
C-755-T20	Trailer – Office/Break				1,584		1
C-755-T21	Trailer – Office				900		1
C-755-T22A	Trailer – Office/Break				1,440		1
C-755-T23	Trailer, Office/Training				1,800		1
C-755-T26	Trailer – Office				1440		1
C-755-T27	Trailer – Office				1440		1
C-755-T28	Trailer – Office				1440		1
C-755-U	Metal Car Ports	Steel	Steel		2,520		1
C-755-V	Salt Storage	Steel, wood lined	Steel		336		1
C-755-Z	Trailer, Storage						1
C-800	Motorcycle Parking Area	Open shed, steel post, transite siding	Built up asphalt		1,620	1953	1
C-802	Meteorological Tower	Steel			197 height ft.		N/A
C-802A	Communications Building	Concrete	Prefab concrete		168	1954	1
C-802B	Building – Meteorological Equip				24		1

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 approved by a Nationally Recognized Testing Laboratory (NRTL) (e.g., Underwriter's Laboratory, CSA Group, ETL Entertek).

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.

20) **Public Address and Public Warning System.** The contractor shall maintain and service the Plant Public Address (PA) and Public Warning (PW) systems. The contractor will ensure full functionality of the PA and PW equipment is sustained during the performance period. The contractor will replace or repair connections, controls, switches, batteries, and wiring in a safe manner. Out-of-service conditions shall be addressed within 8 hours of discovery, and fully restored within 72 hours. The contractor will communicate to affected organizations of any outages, planned or unplanned, and implement compensatory measures during outages to ensure warnings can be made by alternate means.

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

Appendix B:
Non-Government Standards Adopted by DOE

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)

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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)

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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.

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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)

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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)

Appendix B:
Non-Government Standards Adopted by DOE

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)

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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

Appendix B:
Non-Government Standards Adopted by DOE

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)

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Appendix B:
Non-Government Standards Adopted by DOE

Document Number	Document Title
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

Facility Identification Number	Facility Type	Area	Type Unit	Manufacturer	Model Number	Capacity	Year
C-102-T02	Trailer - Office (Unit 1)	C-102-T2 North	Wall-mount AC, with heat Strips	Bard	WA-A15N	3 ton	illegible
C-102-T02	Trailer-Office (Unit 2)	C-102 T02 South	Wall-mount AC, with heat Strips	Bard	WA-A15N	3 ton	illegible
C-102-T03	Trailer- Office (Unit 1)	C-102-T3 North	Wall-mount AC, with heat Strips	Bard	WA-A15N	3 ton	illegible
C-102-T03	Trailer - Office (Unit 2)	C-102-T3 South	Wall-mount AC, with heat Strips	Bard	WA-A15N	3 ton	illegible
C-103	Building - DOE Office and Annex	Roof Top Unit 1	Package Heat Pump	Trane	WSC036H3RGA00AK	3 ton	2018
C-103	Building - DOE Office and Annex	Roof Top Unit 2	Package Heat Pump, Affinity	York	B6HX048A25A	4 ton	2013
C-103	Building - DOE Office and Annex	Roof Top Unit 3	Package Heat Pump	Trane	WSC036H3RGA00AK	3 ton	2018
C-103	Building - DOE Office and Annex	Roof Top Unit 4	Package Heat Pump	Trane	WSC036H3RGA00AK	3 ton	2018
C-103	Building - DOE Office and Annex	Roof Top Unit 5	Package Heat Pump, Sunline	York	XP060C00N2AAA2A	5 ton	2012

Facility Identification Number	Facility Type	Area	Type Unit	Manufacturer	Model Number	Capacity	Year
C-103	Building - DOE Office and Annex	Roof Top Unit 6	Package Heat Pump, Predator	York	XP090E36A2AAA4A	7.5 ton	2008
C-103	Building - DOE Office and Annex	Server Room	Heat Pump Rooftop Package	Mitsubishi	4MXW3824A10H/4TXK 3824A10N	2 ton	2018
C-103	Building - DOE Office and Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673046-02	2 ton	
C-103	Building - DOE Office and Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673047-02	3 ton	
C-103	Building - DOE Office and Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673048-02	3 ton	
C-103	Building - DOE Office and Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673049-02	3 ton	
C-104	Building -Access Control Facility	IT/COMM/AACS Room	Heat Pump, Ductless Mini-Split	Mitsubishi	PKA-A12HA7 Indoor PUZ-A12NKA7 Outdoor	12000 BTU/H	9/2018
C-104	Building -Access Control Facility	North Offices	Split, Propane	Trane	Heat – F1 – FS9X2B080U4PSA Ser.# 184651NM3G Cooling – C1 – 4TXCB006DS3HC Ser. # 18412KTX2F	3 ton	10/2018
C-104	Building -Access Control Facility	Storm Shelter	Split, Propane	Trane	Heat – F3 – S9X2B080U2PSA/ Ser. # 183754493G Cooling – C3 – 4TXCB003DS3HC/ Ser. # 18204S4F2F	2 ton	5/2018

Facility Identification Number	Facility Type	Area	Type Unit	Manufacturer	Model Number	Capacity	Year
C-104	Building -Access Control Facility	South Offices/Lobby	Split, Propane	Trane	Heat – F2 – S9X2B080U4PSA/ Ser. # 184531N73G Cooling – C2 – 4TXCB006DS3HC/ Ser. # 18412LST2F	3 ton	10/2018
C-304	Building – Office	C-304	Building	N/A	Geothermal (ground source), condenser water loop with two recirculating pumps, with exchangers in the ceiling	Bell & Gossett (pumps), McQuay (exchangers)	Series 60 (pumps), CCH012A, CCH019A, CCH024A (exchangers)
C-304 Annex	Building – Office	TBD	TBD	TBD	TBD	TBD	2020
C-720-M T01	Trailer - Computer Maintenance	N/A	N/A	N/A	N/A	N/A	N/A
C-720-M T02	Trailer - Computer Maintenance	N/A	N/A	N/A	N/A	N/A	N/A
C-743-T14	Trailer - Office	C-743-T-14, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat	Unknown
C-743-T14	Trailer - Office	C-743-T-14, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat	Unknown
C-750	Building	N/A	No unit - Steam Heat	N/A	N/A	N/A	N/A
C-750	Office	C-750 East Side	Window Mount	Frigidaire	FFRH18LR20	1.5 ton	Unknown
C-750	Breakroom	C-750 East Side	Window Mount	Frigidaire	FFRH18LR20	1.5 ton	Unknown

Facility Identification Number	Facility Type	Area	Type Unit	Manufacturer	Model Number	Capacity	Year
C-752-B-T01	Fuel Station Trailer	C-755-B T01 North Side	Window Mount (heat/cool)	GE	AHE18DXLI		Unknown
C-755-A	Maintenance Shop	C-755-A Ceiling	Electric heat, No cooling	Modine	N/A	N/A	N/A
C-755-B	Building	C-755-B South Side	Package Unit	York	XP120C00N4AAA6A	10 ton	Unknown
C-755-C	Building	C-755-C East Side	Split/Mount PTAC	Gree	VIR36HP23OV1BO	3 ton	11/17/2019
C-755-D	Guard shack	C-755 -D East	Split Mouint PTAC	Trane	PTHB1201GF	1 ton	1/1/2019
C-755-T05	Trailer (Unit 1)	C-755- South East	Wall mount AC, with heat strips	Bard	Illegible	3.5 ton	illegible
C-755-T05	Trailer (Unit 2)	C-755- South West	Wall mount AC, with heat strips	Bard	W42A1-A10BPXXXE	3.5 ton	1/11/2019
C-755-T08B	Shower and Change Trailer (formerly C-755-T17)	C-755-T8 East	Wall mount AC, with heat strips	Bard	WA361-A15	3 ton	1/1/2000
C-755-T17A	Trailer Shower/Change (Formerly C-745-C-T04) Unit 1	C-755-T17A East side	Wall mount AC, with heat strips	Bard	WA372-A10	3 ton	9/8/2019
C-755-T17A	Trailer Shower/Change (Formerly C-745-C-T04) Unit 2	C-755-T17A East side	Wall mount AC, with heat strips	Bard	WA372-A10	3 ton	9/8/2019

Facility Identification Number	Facility Type	Area	Type Unit	Manufacturer	Model Number	Capacity	Year
C-755-T18	Trailer (Leased) Unit 1	C-755-T18 East	Wall mount AC, with heat strips	Eubank	W36CF1SB1F006	3 ton	ILLEGIBLE
C-755-T18	Trailer (Leased) Unit 2	C-755-T18 East	Wall mount AC, with heat strips	Eubank	W36CF1SB1F006	3 ton	ILLEGIBLE
C-755-T19	Trailer (Leased)	C-755-T19 East Side	Wall-mount AC/with Heat Strip	Bard	WA302-A10	2.5 ton	11/5/2019
C-755-T19	Trailer (Leased)	C-755-T19 East Side	Wall-mount AC/with Heat Strip	Bard	WA242A10	2 ton	8/5/2019
C-755-T19	Trailer (Leased)	C-755-T19 East Side	Wall-mount AC/with Heat Strip	Bard	WA302-A10	2.5 ton	11/5/2019
C-755-T20	Trailer (Unit 1)	C-755-T20 East Side	Split/Mount	Amana/ Goodman	PTH153G35AxxxCA	1-ton	Unknown
C-755-T20	Trailer (Unit 2)	C-755-T20 East Side	Split/Mount	Amana/ Goodman	PTH153G35AxxxAA	1-ton	Unknown
C-755-T20	Trailer (Unit 3)	C-755-T20 East Side	Split/Mount	Amana/ Goodman	PTH153G35AxxxAA	1-ton	Unknown
C-755-T20	Trailer (Unit 4)		Split/Mount	Trane	PTEF15011HAA	1-ton	Unknown
C-755-T20	Trailer (Unit 5)	C-755-T20 South side	Window Mount	Frigidaire	SSREO33511		Unknown
C-755-T21	Trailer	C-755-T21	Wall mount AC, with heat strips	Bard	WA361-A10	3 ton	6/1/2019
C-755-T22A	Trailer (Unit 1)	C-755-T22 East	Wall mount AC, with heat strips	Bard	WA42A2-A00	3.5 ton	1/16/2019
C-755-T22A	Trailer (Unit 2)	C-755-T22A West	Wall mount AC, with heat strips	Bard	WA42A2-A15	3 ton	1/1/2019
C-755-T23	Trailer (Unit 1)	C-755-T23 East	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	8/7/2019

Facility Identification Number	Facility Type	Area	Type Unit	Manufacturer	Model Number	Capacity	Year
C-755-23	Trailer (Unit 2)	C-755 -T23 West	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	8/7/2019
C-755-T26	Trailer (Unit 1)	C-755-T26 East	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	8/6/2019
C-755-T26	Trailer (Unit 2)	C-755-T26 West	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	1/8/2019
C-755-T27	Trailer (Unit 1)	C-755-T27 East	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	9/6/2019
C-755-T27	Trailer (Unit 2)	C-755-T27 West	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	1/8/2019
C-755-T28	Trailer (Unit 1)	C-755-T28 East	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	8/8/2019
C-755-T28	Trailer (Unit 2)	C-755-T28 West	Wall mount AC, with heat strips	Bard	WA372-A15	3 ton	1/8/2019
C-802A	Building – Meteorological Comm.	Meteorological Comm. Bldg. South	Wall mount AC, with heat strips	Bard	WA242-A05WXXXJ	2 ton cool, 5KW heat	5/3/2019
C-802-A	Building - Meteorological Comm	Meteorological Comm. Bldg. North	Wall mount AC, with heat strips	Bard	WA242-A05XWXXXJ	2 ton cool, 5KW heat	4/3/2019
C-802B	Building – Meteorological Equip.	Meteorological Equipment. North	Window Unit	Friedrich	Illegible	Illegible	Illegible

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, double wall, above ground 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	
C-725 Grounds Maintenance Storage	1	14 feet (13'-3")	12 feet (11'-8")	Rollup, electrically operated
	1	14 feet (13'-3")	12 feet (11'-8")	Rollup, electrically operated
C-755-C Carpentry	1	8 feet	10 feet	Rollup, manually operated

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 Fences and Wire Cages Listing/Description

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.3.2.10 Fences and Wire Cages Listing/Description

Type	Location	Quantity	Number of Gates	Type	Manual/Elect
Chain Link	LA Perimeter (C030285)	25,444 ft.	10 Double; 10 Single; 9 Turnstiles	10 Swing; 10 Roll	16 Manual; 4 Elect Roll
Barbed Wire	229 Boundary Fence – Plant Area (excluding portion that is also limited area fence)	29,468 ft.	15 Single Arm, 3 Double Arm, 2 Double	20 Swing	Manual
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; 1 Pop-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	3 Swing	3 Manual
Chain Link	C-614 Treatment System Fences (A,B,C) (C-614-FENCE)	471 ft.	2 Double, 2 Single	4 Swing	4 Manual
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
Chain Link	C-746-U Solid Waste Landfill	5,353 ft.	3 Double; 1 Single	3 Swing; 1 Roll	3 Manual; 1 Electric Roll

Type	Location	Quantity	Number of Gates	Type	Manual/Elect
	(C-746-U-FENCE)				
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 and C-748-B Burial Areas SWMU 4 – (C-746-FENCE)	2,082 ft.	3 Double; 1 Single	3 Swing; 1 Roll	4 Manual
Chain Link	C-752 Holding Pd	400 ft.	1 Single	1 Roll	1 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 (C-755-FENCE)	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 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	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
Woven Wire	C-616-E and F Lagoons	4,302 ft.	1 Double	1 Swing	1 Manual
Gate	Dykes Road near cylinder yards Maintenance Access 3	NA	1 Double Arm	1 Swing	1 Manual
Gate	Curlee Road Maintenance Access 5	NA	1 Double Arm	1 Swing	1 Manual
Gate	Waterworks Road Maintenance Access 4	NA	1 Double Arm	1 Swing	1 Manual
Gate	Kelley Road at Public Warning	NA	1 Double Arm	1 Swing	1 Manual

Type	Location	Quantity	Number of Gates	Type	Manual/Elect
	PWS B1-B2				
Gate	Dykes Road near C-762 Maintenance Access 1	NA	1 Double gate with fence fabric and barbwire	1 Swing	1 Manual
Gate	Gravel Road near Lagoons (north of plant) Maintenance Access 6	NA	1 Double gate with fence fabric and barbwire	1 Swing	1 Manual
Gate	McCall Road East side of old bridge Maintenance Access 2	NA	1 Double Arm	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

Janitorial services for approximately 1,000 personnel at the Paducah Site. Individuals are housed in the facilities identified in the table below.

Janitorial	Facility Number	Facility Type	Service Level	Gross SF	Office / Conf. Rooms SF	Office/ Conf. Rm. Carpet SF	Office/ Conf. Rm. Tile SF	Break Rooms/ Kitchen SF	Number of Restrooms (RR)	Total SF of RR	Type RR floors:	No. of Sinks:	RR No. of Commodes:	RR No. of Urinals:	RR No. of Showers:	RR No. of *Mop* Sinks:	Total Service SF:	Comments
INF	C-100	Building Administration	**A**	102,027	45,895	18,726	21,961	0	9	2,392	Tile	20	19	8	0	1	48,287	40,445 Basement (no janitorial)
INF	C-101	Building - Cafeteria	**A**	18,326	1,429	743	686	9,693	2	682	Tile	3	2	1	2	1	11,804	7,000 SF in Basement (no janitorial)
INF	C-102	Building - Hospital	**A**	11,666	7,288	1,361	5,927	240	2	915	Tile	6	5	2	2	1	8,443	
INF	C-102-T02	Trailer - Office	**A**	1,800	1,412	1,412	0	180	2	108	Tile	2	2	0	0	0	1,700	
INF	C-102-T03	Trailer - Office	**A**	1,800	1,520	1,520	0	72	2	108	Tile	2	2	0	0	0	1,700	
INF	C-102-T05	Trailer - Office	**A**	1,800	1,386	1,386	0	72	2	128	Tile	2	2	0	0	0	1,566	
INF	C-103	Building - DOE Office and Annex	**A**	10,699	10,377	10,105	0	160	4	322	Tile	6	6	1	2	1	10,699	Includes annex portion of building
INF	C-104	Access Control Facility	**A**	2,912	1449	1007	442	74	2	121	Porcelain Tile	2	2	1	0	1	1988	
INF	C-200	Building - Guard and Fire Headquarters	**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
INF	C-200-A	Annex Trailer	**A**	1,600	1,408	0	1,408	0	1	56	Tile	1	1	0	0	0	1,464	
INF	C-202	Building - Guard Training	**A**	3,446	576	0	576	0	0	0	NA	0	0	0	0	0	576	Security Training Room
INF	C-205	Building - Respirator Issue Bldg.	**B**	4,100	720	0	720	0	1	25	Tile	1	1	0	0	0	745	
INF	C-208	Firing Range	**B**	5,730	0	0	0	0	2	168	Sealed Concrete	2	2	1	0	1	3000	All flooring is sealed concrete. Janitorial is only in hallways outside of the range and restrooms. No janitorial is required in the range itself.
INF	C-210	Security Management Building	**A**	6,317	5,276	3,807	1,469	220	2	307	Porcelain Tile	6	5	2	0	1	5,803	
INF	C-224	Building - Post 15	**A**	1,680	1,631	0	1,631	0	1	49	Tile	1	1	0	0	0	1,680	
INF	C-225	Building - Post 48	**B**	1,598	1,549	0	1,549	0	1	49	Tile	1	1	0	0	0	1,598	
INF	C-300	Building - Central Control	**A**	16,022	2,272	1,876	396	228	2	216	Tile	2	3	1	0	1	2,716	
INF	C-302	Building - Operations Division Data Center	**A**	7,366	6,494	638	5,856	249	2	189	Tile	2	4	1	0	1	6,932	
INF	C-304	Building - Office Building	**A**	8,000	5,711	4,487	1,224	360	2	256	Tile	7	4	1	0	1	6,327	
INF	C-304 Annex	Building – Office Annex	**A**	7,945	7,011	6,840	171	0	2	363	Porcelain Tile	4	4	2	0	1	7,374	
INF	C-310	Building - Purge and Product Building	**B**	112,240	2,718	0	2718	64	2	306	Epoxy	2	2	1	2	1	3,088	
INF	C-315	Building – Surge and Waste Building	**B**	16,040	0	0	0	0	0	150	Tile	1	1	0	0	0	150	RR SF estimated. Includes locker/change area.

Janitorial	Facility Number	Facility Type	Service Level	Gross SF	Office / Conf. Rooms SF	Office/ Conf. Rm. Carpet SF	Office/ Conf. Rm. Tile SF	Break Rooms/ Kitchen SF	Number of Restrooms (RR)	Total SF of RR	Type RR floors:	No. of Sinks:	RR No. of Commodes:	RR No. of Urinals:	RR No. of Showers:	RR No. of *Mop* Sinks:	Total Service SF:	Comments
INF	C-331	Building - Process Building	**B**	1,029,120	3,359	0	3,359	745	4	1,480	Epoxy	5	7	2	13	2	5,584	Includes 720 SF of change area,
INF	C-333	Building - Process Building	**A**	2,130,120	3,963	0	3,963	1,631	5	2,166	Epoxy	7	5	2	16	2	7,760	Includes 1,597 SF of change area
INF	C-333-T10	Trailer – Meeting/Office	**A**	583	583	0	583	0	0	0	Tile	0	0	0	0	0	583	
INF	C-333-T11	Trailer – Meeting/Office	**A**	583	583	0	583	0	0	0	Tile	0	0	0	0	0	583	
INF	C-333-T12	Trailer - Break	**A**	583	583	0	0	583	0	0	Tile	0	0	0	0	0	583	
INF	C-333-T13	Trailer – Shower & Change	**A**	1,734	0	0	0	0	2	867	Tile	4	6	1	16	1	1,734	Shower and Change trailer (approx.. 50% is change area)
INF	C-335	Building - Process Building	**A**	1,029,120	3,596	0	3,596	1,751	4	1,703	Epoxy	6	7	2	7	2	7,050	Includes 1,023 SF of change area
INF	C-337	Building - Process Building	**A**	2,130,120	4,175	0	4,175	2,157	5	1,412	Epoxy	5	6	4	11	1	7,744	Includes 762 SF of change area
INF	C-360-A	Building	**A**	8,318	160	0	0	0										
INF	C-412-T01	Trailer - Office	**A**	1,440	1,314	978	336	63	1	63	Tile	0	1	0	0	1	1,440	
INF	C-412-T02	Trailer - Office	**A**	1,440	1,314	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
INF	C-412-T03	Trailer - Office	**A**	1,440	1,266	600	666	0	2	126	Tile	2	2	0	0	0	1,392	
INF	C-412-T04	Trailer - Office	**A**	1,440	1,214	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
INF	C-412-T05	Trailer - Office	**A**	1,440	1,214	978	336	60	2	126	Tile	2	2	0	0	0	1,440	
INF	C-412-T07	Trailer - Shower & Change	**A**	1,440	0	0	0	0	2	1,440	Tile	4	5	1	14	0	1,440	Shower and Change trailer (506 SF is change area)
INF	C-412-T08	Trailer - Office	**A**	1,440	1,214	978	336	0	2	126	Tile	2	2	0	0	0	1,440	
INF	C-412-T09	Trailer - Office	**A**	1,440	1,214	978	336	0	2	126	Tile	2	2	0	0	0	1,440	Approx. 50% of tile (118 SF is missing from hallway. Wooden floor showing
INF	C-412-T11A	Trailer - Shower & Change	**A**	1,440	0	0	0	0	2	1,440	Vinyl	4	5	1	14	0	1,440	Shower and Change trailer (506 SF is change area);
INF	C-412-T12	Trailer - Shower & Change	**A**	1,440	0	0	0	0	2	1,440	Tile	4	5	1	14	0	1,440	Shower and Change trailer (506 SF is change area)
INF	C-412-T13	Trailer - Office	**A**	1,440	1,314	0	1,314	0	2	126	Tile	2	2	0	0	0	1,440	
INF	C-412-T14	Trailer - Office	**A**	1,440	1,207	0	660	550	2	126	Vinyl	2	2	0	0	0	1,336	
INF	C-412-T15	Trailer – Office	**A**	3,008	3,008	0	3,008	0	0	0	0	0	0	0	0	0	3,008	Break room space included in conference room SF
INF	C-412-T16	Trailer – Office/Break	**A**	3,008	3,008	0	0	3,008	0	0	0	0	0	0	0	0	3,008	
INF	C-412-T17	Trailer – Office/Break	**A**	3,008	3,008	0	0	3,008	0	0	0	0	0	0	0	0	3,008	
INF	C-412-T20	Trailer – Shower & Change	**A**	1,734	0	0	0	0	2	1,734	Tile	4	6	1	16	1	1,734	Shower and Change trailer (approx.. 50% is change area)
INF	C-604	Building - Utilities Maintenance Building	**B**	2,400	140	0	140	192	1	270	Epoxy	2	1	1	5	1	602	
INF	C-611-H	Building - Filter and Pump Station	**B**	13,067	528	0	528	202	1	21	Tile	1	1	0	0	0	751	

Janitorial	Facility Number	Facility Type	Service Level	Gross SF	Office / Conf. Rooms SF	Office/ Conf. Rm. Carpet SF	Office/ Conf. Rm. Tile SF	Break Rooms/ Kitchen SF	Number of Restrooms (RR)	Total SF of RR	Type RR floors:	No. of Sinks:	RR No. of Commodes:	RR No. of Urinals:	RR No. of Showers:	RR No. of *Mop* Sinks:	Total Service SF:	Comments
INF	C-616-A	Building – Chemical Feed Building	**B**	2000	0	0	0	0	1	100	Tile	1	1	0	1	0	100	
INF	C-709	Building - Plant Laboratory Annex	**A**	33,000	6170	0	6170	0	2	416	Tile	6	5	1	0	1	6,586	
INF	C-710	Building - Technical Services Building	**A**	84,333	15,862	0	13,672	575	4	2,057	50% Tile, 50% Epoxy	10	12	5	12	2	18,494	Includes 5,034 SF of hallways, 804 SF of stairwells, and 975 SF of change area
INF	C-720	Building - Maintenance and Stores Building	**A**	299,944	28,464	0	28,464	2,652	10	4,411	Epoxy	20	29	9	34	3	35,527	Includes 2,057 SF of change area, and 2,792 SF of hallway
INF	C-720-C	Building - Converter Shop Addition	**A**						1	72								
INF	C-720-E	Building – Change House Addition	**B**	3,467	0	0	0	0	1	3,154	Epoxy	5	6	4	28	1	3,154	Includes 1,890 SF of change area
INF	C-720-K	Building - Instrument Shop Addition	**B**	1,520	798	0	798	450	0	0	N/A	0	0	0	0	0	1,248	
INF	C-724-B	Building - Lumber Storage Building	**B**	10,215	0	0	0	0	1	1,459	Concrete	2	4	4	6	1	1,459	Includes 444 SF of change house
INF	C-730	Building - Maintenance Services	**B**	1,057	220	0	220	0	1	15	Tile	1	1	0	0	0	235	
INF	C-730-T05	Trailer - Office	**A**	1,440	1,333	0	1,333	0	2	105	Tile	2	2	0	0	0	1,438	
INF	C-730-T06	Trailer - Office	**A**	1,560	1,344	888	326	130	2	113	Tile	2	2	0	0	0	1,457	
INF	C-743	Building – Office	**A**	9,973	8,086	0	8,086	660	2	614	Tile	4	5	2	2	1	9,360	
INF	C-743-T01	Trailer - Office	**B**	1,650	1,267	1,267	0	0	2	90	Tile	2	2	0	0	0	1,357	
INF	C-743-T02	Trailer - Office/Break Trailer	**B**	1,650	1,267	1,267	0	0	2	90	Tile	2	2	0	0	0	1,357	
INF	C-743-T14	Trailer - Office	**B**	1,600	1,377	864	513	0	2	216	Vinyl	3	3	1	0	0	1593	
INF	C-743-T15	Trailer - Field Support Lab	**A**	1,600	1400	582	618	0	2	200	Vinyl	4	3	1	0	0	1,400	
INF	C-743-T16	Trailer - Office	**A**	1,600	1485	0	1,485	80	2	108	Vinyl	2	2	0	0	0	1,593	
INF	C-744	Building - Lubrication Building	**B**	6,400	206	0	206	924	2	356	Concrete	5	3	3	0	0	1,486	
INF	C-746-U1	Landfill Office Building	**A**	624	128	128	0	288	1	72	Tile	1	1	0	1	0	488	
INF	C-746-U2	Landfill Equipment Building	**B**	3,048	2,976	2976	0	0	1	64	Tile	1	1	0	1	0	64	
INF	C-746-U-T14	Trailer (Shower)	**A**	360	0	0	0	0	1	400	Vinyl	2	2	2	3	0	400	
INF	C-750	Building	**B**	11,866	285	0	285	324	2	358	Concrete	2	2	1	2	1	967	Garage
INF	C-752-A	Storage Facility	**B**	42,000	1,200	0	0	875	0	0	NA	0	0	0	0	0	875	
INF	C-752-A-T10	Trailer	**B**	440														
INF	C-753-A	Waste Storage Facility	**B**	32,160	0	0	0	595	0	0	N/A	0	0	0	0	0	595	
INF	C-755-A	Maintenance Shop	**B**	3,630	0	0	0	0	0	0	N/A	0	0	0	0	0	3,630	
INF	C-755-B	Building	**B**	2,400	0	0	0	0	2	1,603	Tile	5	5	2	5	0	1,603	Change area out of service
INF	C-755-T01	Trailer	**A**	1,680	1,680		0	0	1	120	Tile	2	1	0	0	0	1,680	
INF	C-755-T02	Trailer	**B**	1,680	1,680	0	0	0	2	240	Tile	2	2	0	0	0	1,680	
INF	C-755-T03	Trailer	**A**	1,680	1,680	0	0	0	2	240	Tile	2	2	0	0	0	1,680	

Janitorial	Facility Number	Facility Type	Service Level	Gross SF	Office / Conf. Rooms SF	Office/ Conf. Rm. Carpet SF	Office/ Conf. Rm. Tile SF	Break Rooms/ Kitchen SF	Number of Restrooms (RR)	Total SF of RR	Type RR floors:	No. of Sinks:	RR No. of Commodes:	RR No. of Urinals:	RR No. of Showers:	RR No. of *Mop* Sinks:	Total Service SF:	Comments
INF	C-755-T04	Trailer	**A**	1,680	1,680	0	0	0	2	240	Tile	2	2	0	0	0	1,680	
INF	C-755-T05	Trailer	**A**	1,820	1,820	0	0	0	2	250	Tile	2	2	0	0	0	1,820	
INF	C-755-T07	Trailer	**A**	1,568	1,568	0	0	100	0	0	Tile	0	0	0	0	0	1,568	
INF	C-755-T08B	Shower and Change Trailer	**A**	840	0	0	0	0	1	570	Vinyl	2	2	0	8	0	840	
INF	C-755-T09	Trailer	**A**	1,568	1,568	0	0	80	0	0	Tile	0	0	0	0	0	1,568	
INF	C-755-T16	Trailer – Change/shower facility	**A**	2,700	0	0	0	0	2	1,000	Tile	8	5	1	16	1	1,568	Change/shower facility
INF	C-755-T17A	Trailer Shower/Change	**A**	840	0	0	0	0	1	570	Vinyl	2	3	0	8	0	840	340 square feet is change area Change/shower facility
INF	C-755-T19	Trailer (Leased)	**A**	2,160	1,560	0	0	420	2	180	Vinyl	2	2	0	0	0	2160	
INF	C-755-T20	Trailer	**A**	1,584	1200	0	0	0	2	384	Vinyl	2	2	0	0	0	1,584	
INF	C-755-T22A	Trailer	**A**	1,440	1,100	0	0	200	0	0	N/A	0	0	0	0	0	1,440	
INF	C-755-T23	Trailer	**B**	274	224	0	154	120	0	0	N/A	0	0	0	0	0	224	
INF	C-755-T26	Trailer	**A**	1,440	1,080	0	1,080	246	2	112	Tile	2	2	0	0	0	1,440	
INF	C-755-T27	Trailer	**A**	1,440	1,200	0	1,200	108	2	112	Tile	2	2	0	0	0	1,440	
INF	C-755-T28	Trailer	**A**	1,440	1,200	0	1,200	108	2	112	Tile	2	2	0	0	0	1,440	
INF	C-757	Building – Solid and LL Waste Processing	**B**	10,000	0	0	0	0	0	0	N/A	0	0	0	0	0	10,000	Facility is used to process waste and is manned by Waste Operations personnel daily during these activities.
INF	C-764-T01	Trailer	**A**	1,410	1,187	1,187	0	100	2	123	Tile	2	2	0	0	0	1410	
INF	C-764-T02	Trailer	**A**	1,440	1,230	1,230	0	120	2	90	Tile	2	2	0	0	0	1,440	Breakroom and conference
INF	C-764-T03	Trailer	**A**	1,504	1,340	1,340	0	80	2	84	Tile	2	2	0	0	0	1,504	training area
INF	C-764-T04	Trailer	**A**	1,504	1,334	1,334	0	50	2	90	Tile	2	2	0	0	0	1,504	
INF	C-764-T05	Trailer	**A**	1,504	1,354	1,354	0	60	2	90	Tile	2	2	0	0	0	1,504	
INF	C-764-T06	Trailer	**A**	1,410	1,266	1,266	0	60	2	84	Tile	2	2	0	0	0	1,410	
INF	C-764-T07	Trailer	**A**	1,410	1,286	1,286	0	40	2	84	Tile	2	2	0	0	0	1,410	
INF	C-764-T08	Trailer	**A**	1,410	1,232	1,232	0	80	2	98	Tile	2	2	0	0	0	1,410	
INF	C-764-T09	Trailer	**A**	1,504	1,298	1,298	0	80	2	126	Tile	2	2	0	0	0	1,504	
INF	C-764-T10	Trailer	**A**	1,504	1,339	1,339	0	60	2	105	Tile	2	2	0	0	0	1,504	

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.4b Service Level Frequency Description

Revision 2, Modification 112

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.4b Service Level Frequency Description

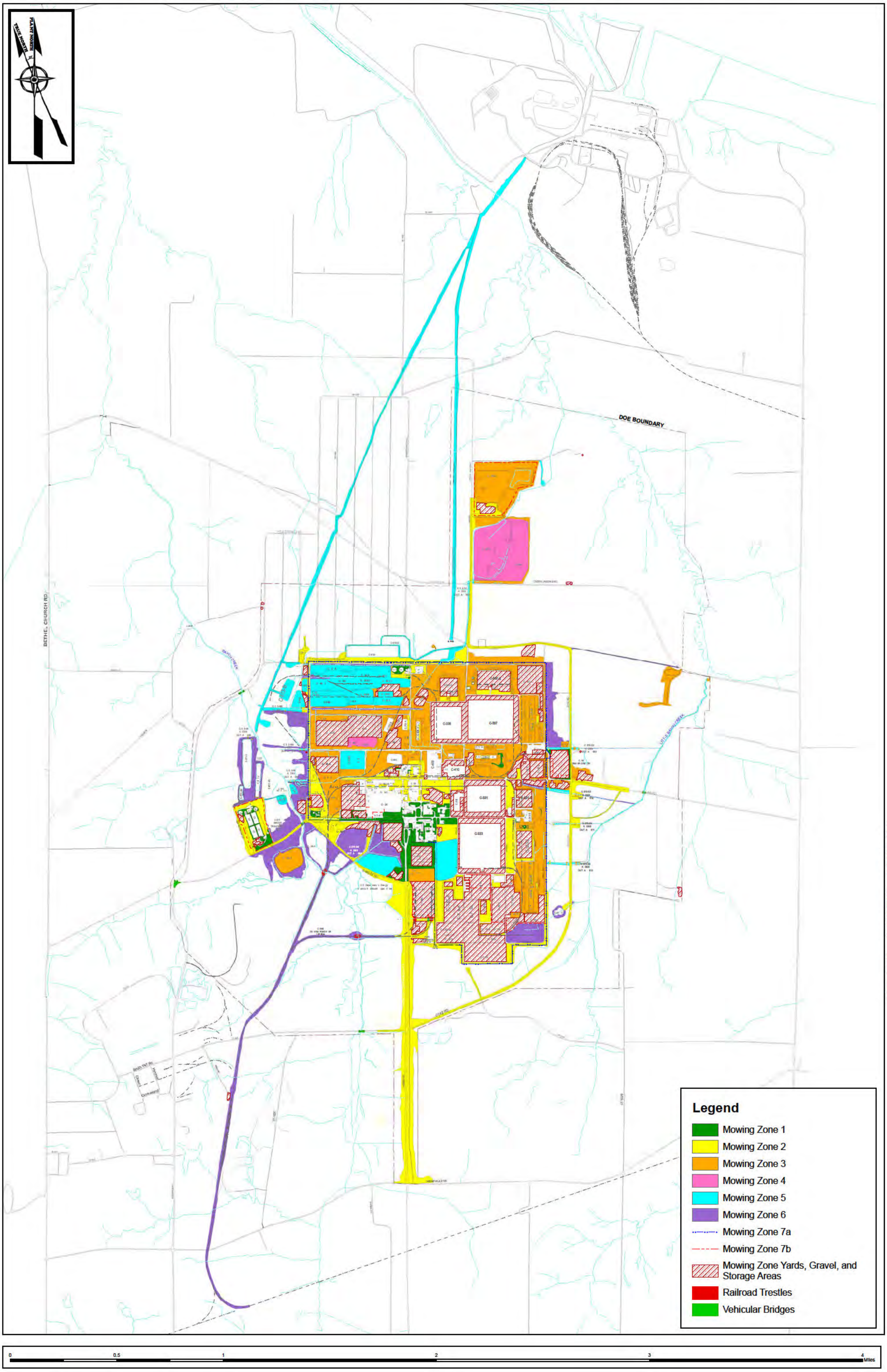
Work Item		Service Level	
		A	B
WORK SPACE CLEANING	Emptying Waste Containers (Food Containing and Restroom Containers)	D	D
	Emptying Waste Containers (Interior Trash Disposal; office rubbish)	2W	W
	High and Low Area Cleaning (Room Cleaning)	Y	N/A
	Recyclable Collection	W	W
	Special Cleaning (Clean Fountains/Sinks/Kitchen/Coffee Mess)	2W	W
	Interior Window Cleaning (Clean Interior Glass)	N/A	N/A
	Exterior Window Cleaning	N/A	N/A
	HVAC Diffusers	Y	Y
FLOORS	Sweeping/Dust Mopping (Dust Mop/Sweep Floor)	W	W
	Vacuum Carpets and Rugs (Vacuum Carpet)	W	W
	Cleaning Walk-off Mats	W	W
	Waxing and Buffing (Floor Finish)	Y	Y
	Stripping and Re-waxing (Strip/Seal/Refinish Tile Floor)	Y	Y
	Carpet and Rug Deep Cleaning (Shampoo Carpet)	Y	Y
RESTROOM, BREAKROOM			
	Restroom Cleaning (Clean Restrooms)	D	W
	Supplies (Service Restrooms)	D	D
	Damp Mopping (Wet Mop)	3W	W

LEGEND *(from most to least frequent)*	
D	Daily – Monday through Thursday, Friday upon request from DOE
3W	Three times per week
2W	Two times per week
W	One Time per week
2M	Two times per month
M	One time per month
2Y	Two times per year
Y	One time per year
N/A	Not applicable

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5a Mowing Zone Map

2017 PGDP MOWNG ZONES - Rev. 4



DOE - PPPO PRO2SERVE AUGUST 2017

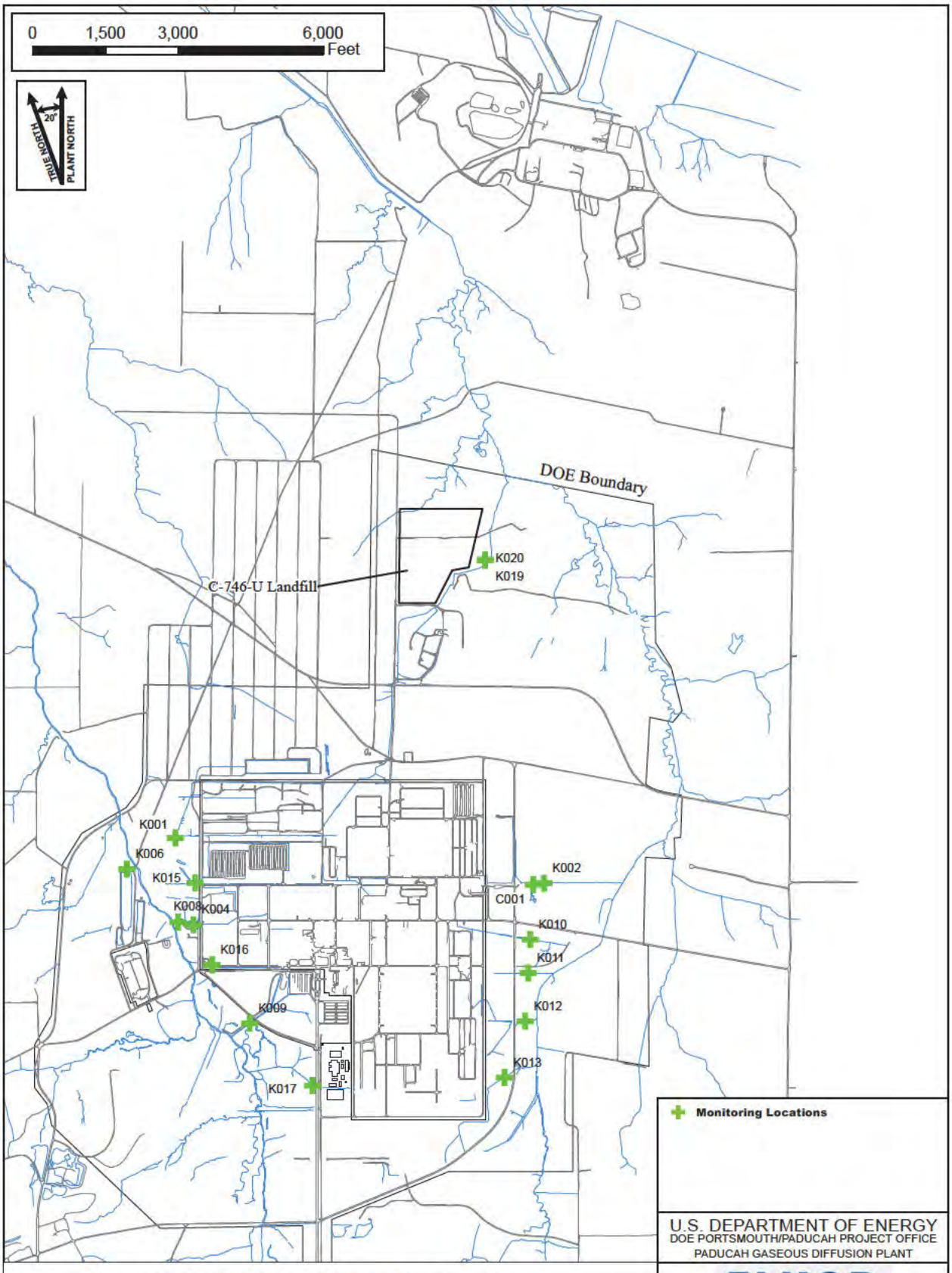


Figure C.13. KPDES Outfall Sampling Locations

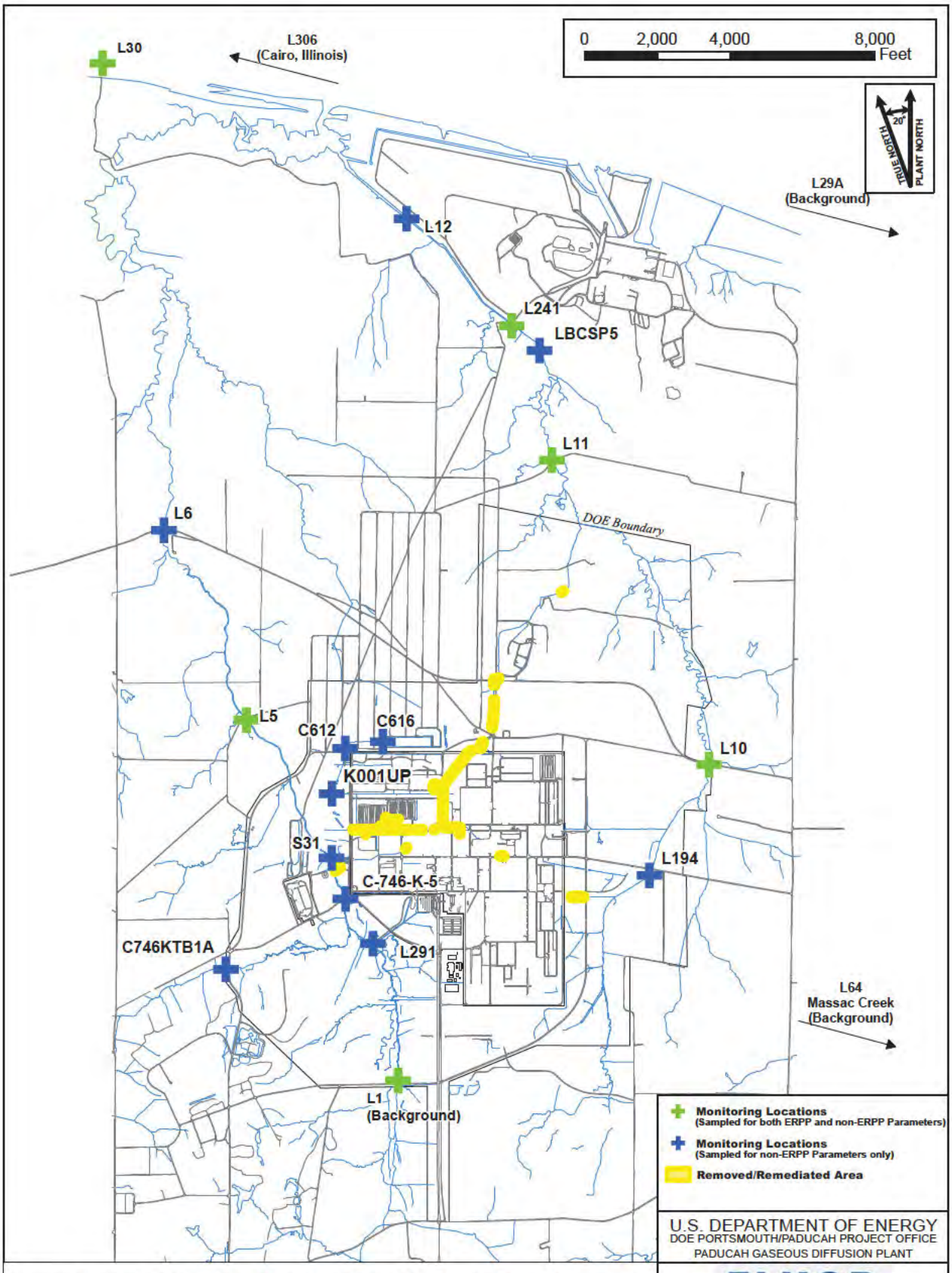


Figure C.16. Surface Water and Seep Monitoring Locations

G:\GIS\ARCVIEWS\PROJECTS\EMP\2017\EMP-SW2017R1.mxd
9/21/2016

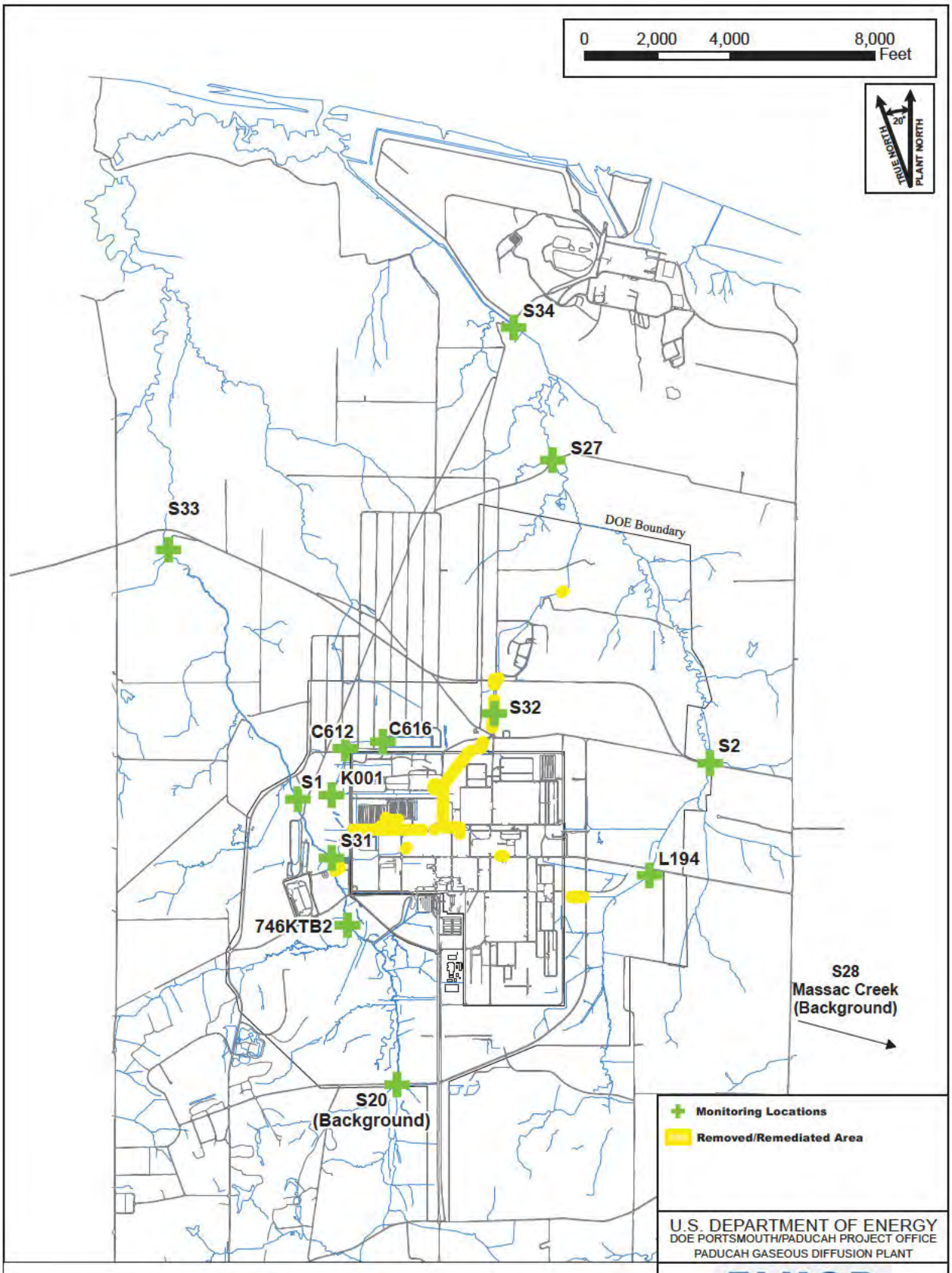
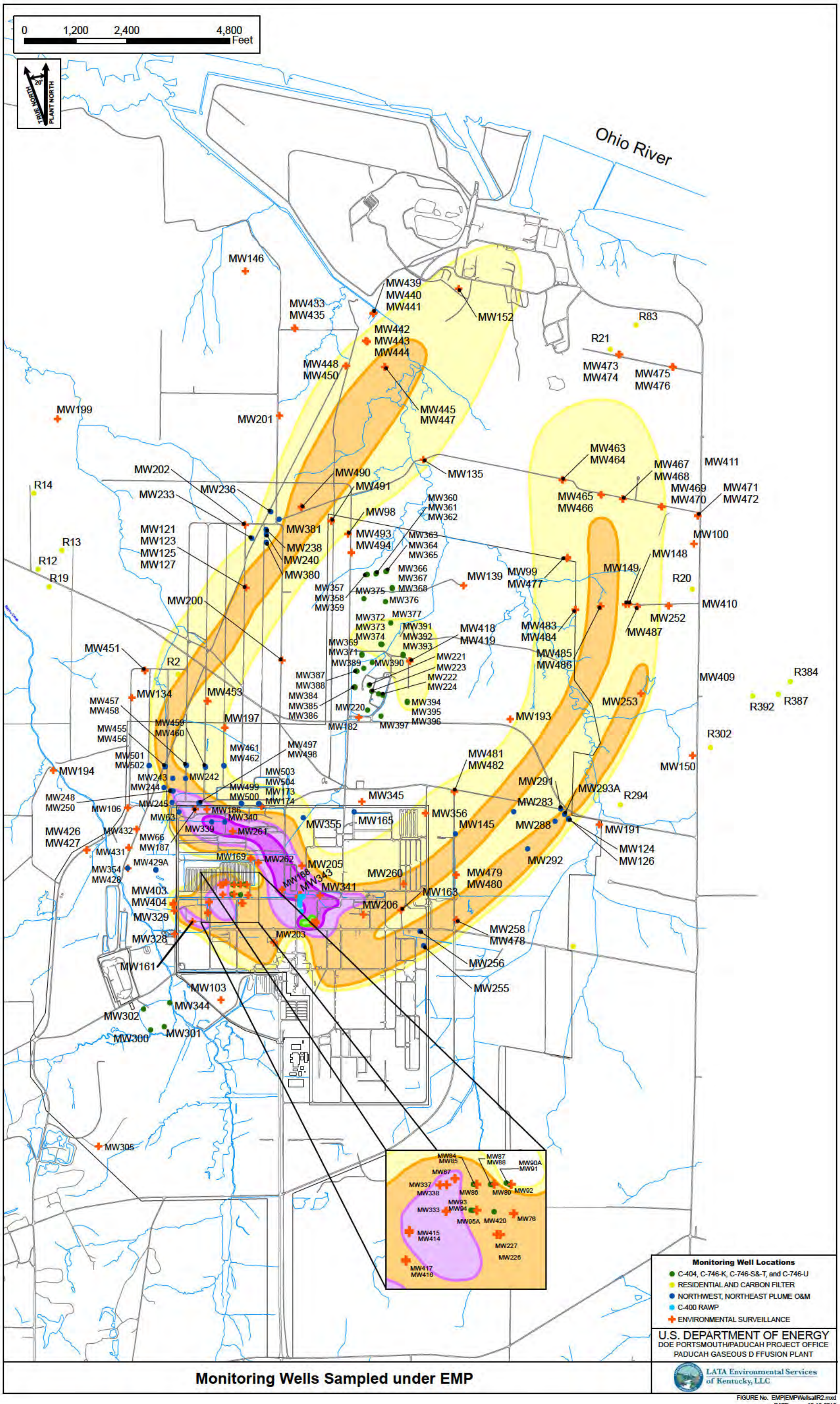


Figure C.17. Semiannual Sediment Locations

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5b Sampling Well Location Map



Monitoring Wells Sampled under EMP

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
MW63	RGA	Current	DOE	GWNWSA	A	A	2/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
MW90A	RGA	Current	DOE	404G	A, Q	A	3/Year
MW91	UCRS	Current	DOE	404G	A, Q	A	3/Year

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
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
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

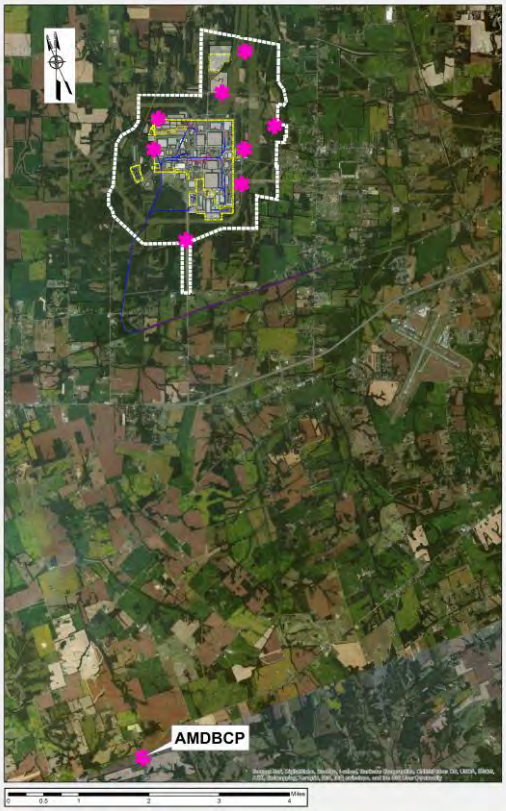
Well Number	Screened Zone	Status	Property Located	Sampled	Water Level	Inspection	Mowing
R387	RGA	Current	Private - Residential	WPB-NE	A	Outside Water Policy	Residential - Not Mowed
R392	RGA	Current	Private - Residential	WPB-NE	A	FYR	Residential - Not Mowed
R424	RGA	Current	Private - Residential	CARB	NA	Outside Water Policy	Residential - Not Mowed
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

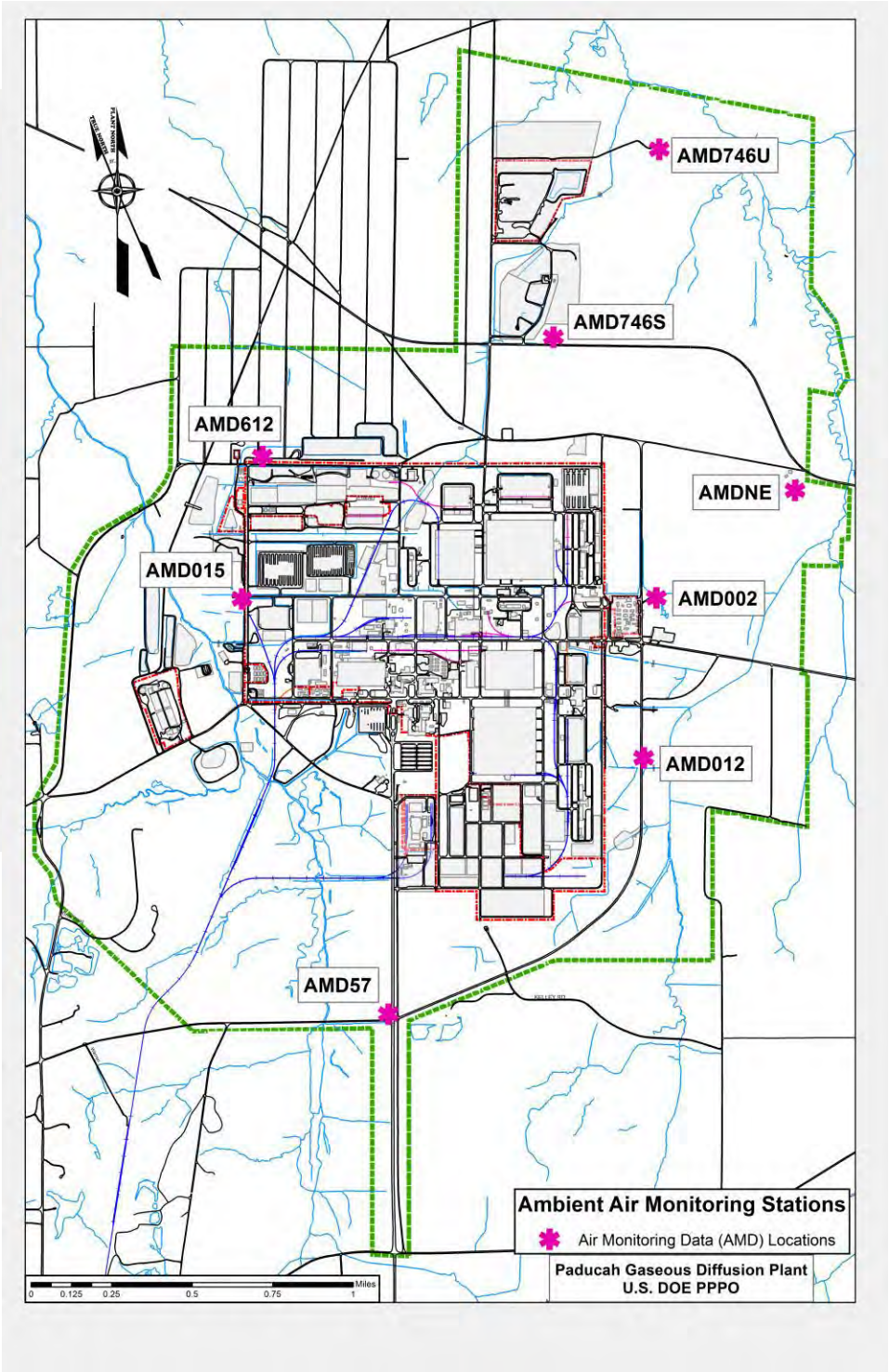
SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5d Air Monitor Location Map



BACKGROUND LOCATION – AMDBCP

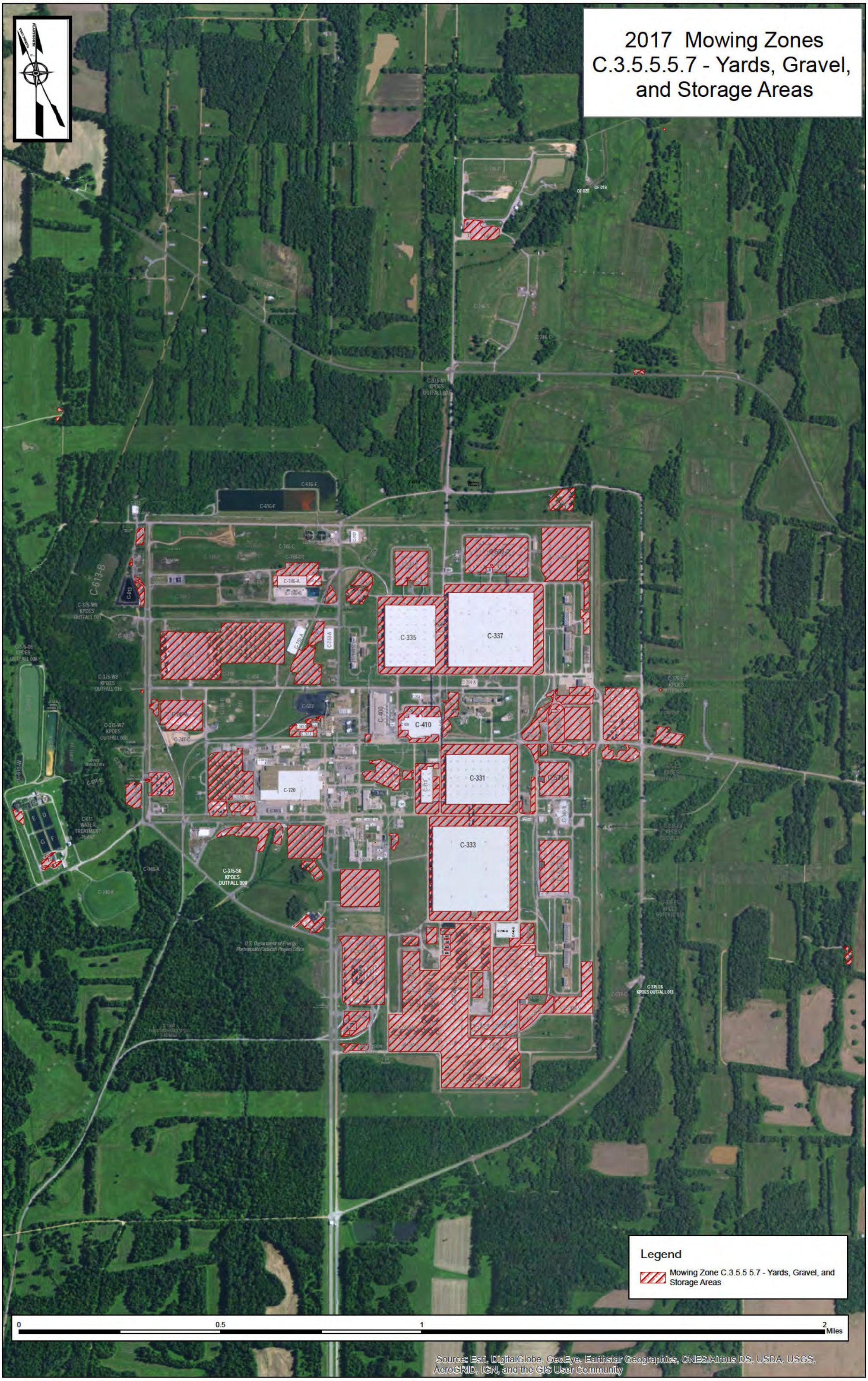
Northwest of
Bethel Cumberland Presbyterian Church
12304 Wickliffe Rd, Kevil, KY
(near the SE corner of the cemetery)
coordinates: 37°00'05.56"N 88°52'36.43" W



SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.5.e Location of Yards, Lots, Gravel, and Storage Areas

2017 Mowing Zones
C.3.5.5.5.7 - Yards, Gravel, and Storage Areas



DOE PPPO PRO2SERVE AUGUST 2017

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**

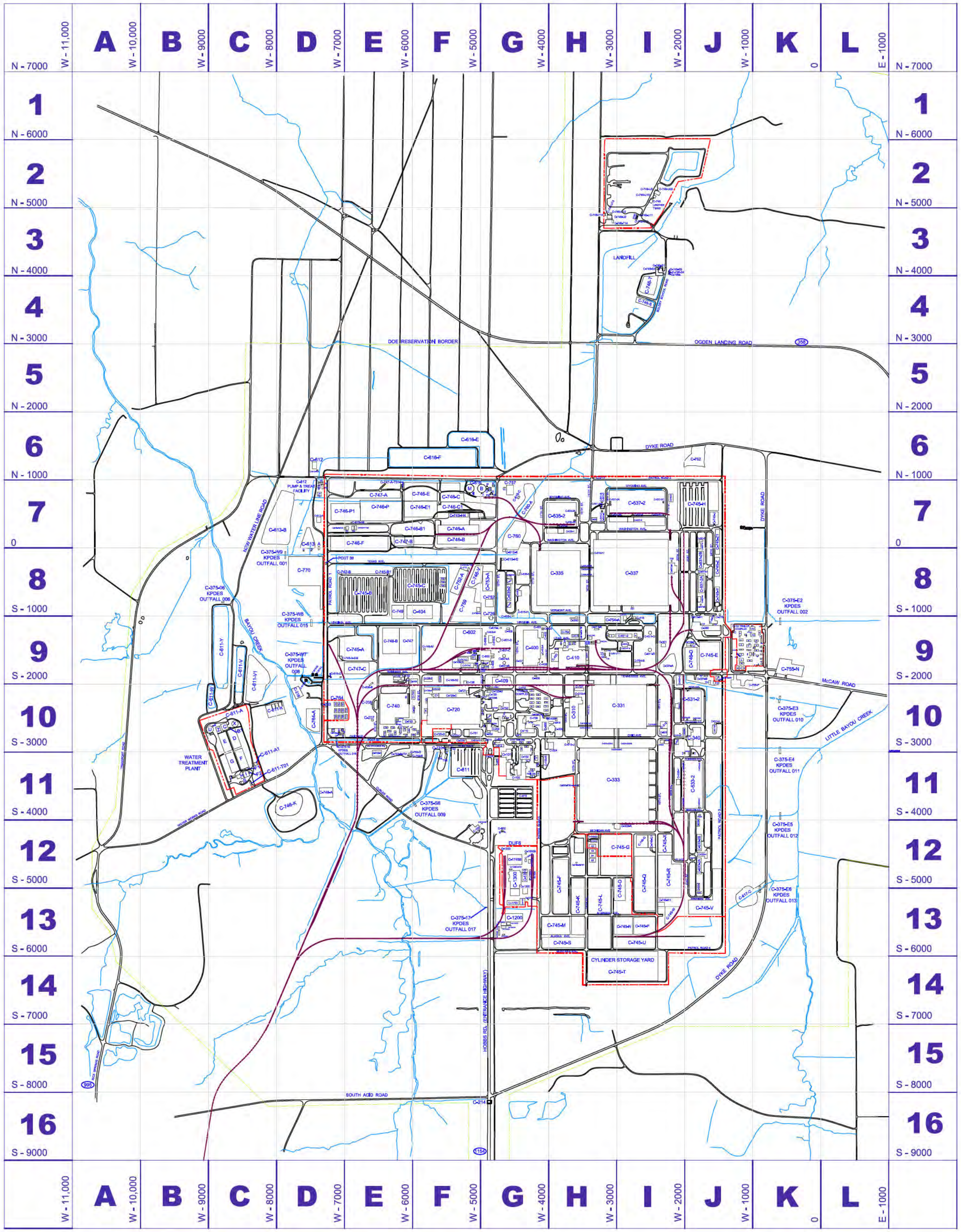
Name	Location on PGDP Site Map and Description	Approximate Length (FEET)	Approximate Length (MILES)	Type
Kentucky	J-13	236	0.04	Concrete
Unnamed	C-750 Area	422	0.08	Concrete
Unnamed	C-710 Area	472	0.09	Concrete
Unnamed	C-200 Area	587	0.11	Concrete
Unnamed	C-360 Area	799	0.15	Concrete
11th Street	G-9	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-8
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	Cl 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 BUILDING	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 - T11	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	K-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	CHECKED

PADUCAH GASEOUS DIFFUSION PLANT FACILITY SITE MAP		
Paducah, KY	September 4, 2014	Drawn by S.R. Durbin
CADD FILENAME	DE-SOL-0008383	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

Revision 1, Modification 044

SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT J-8.C.3.5.6c Listing of Bridges, Revision 1

Bridge Name	Approximate Length	Location	Description
South Acid Road Bridge	110 Feet	On South Acid Road, approx. 2,200 feet west of Hobbs Road	Currently Closed: Controlled Access Bridge (Vehicular)
Low Water Crossing	15 Feet	Crossing ford at the intersection of Rice Springs Rd. and Water Works Rd., approx. 4,000 feet west of C-611. Finished concrete surface poured over two 60 inches steel culverts	Public Access crossing (Vehicular)
Transport Road Bridge[1]	70 Feet	On South Acid Road, crosses Bayou Creek, approximately 2,400 feet north of C-611-Y 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 feet west of the Curlee Road/Water Works Road Intersection	1769 Controlled Access Bridges (Vehicular)
C-1210 DUF_6 Vehicle Bridge	33 Feet	Inside of the DUF_6 facility footprint between C-1200 and C-1100 that crosses the outfall ditch that flows to Outfall 017.	Duf_6 Vehicle Bridge

[1]The Transport Road Bridge no longer requires inspection as it is no longer in service and listed as shut down pending decontamination and decommissioning.

**McCaw Bridge Road currently does not exist (approximately one mile from C-755).*

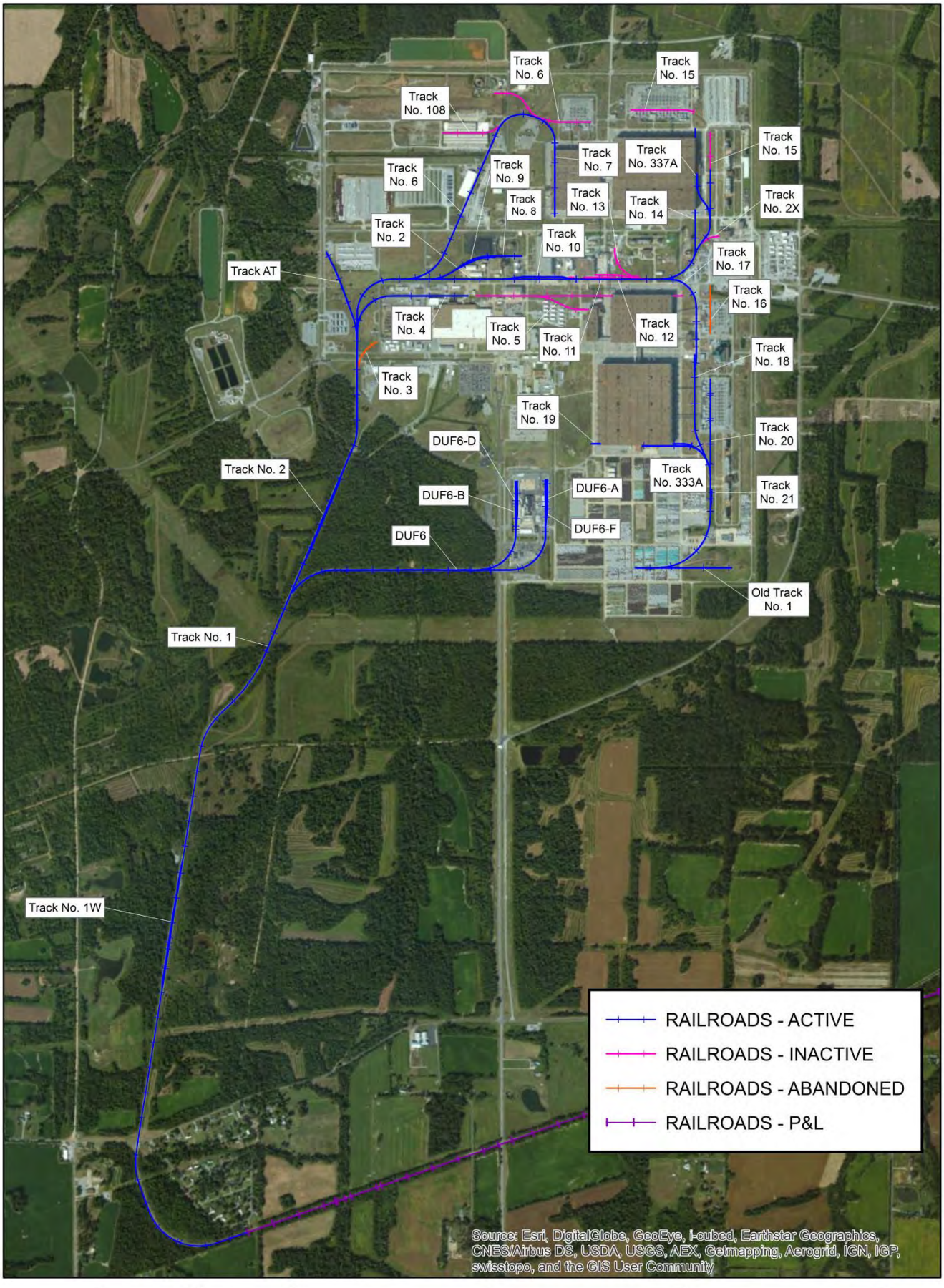
SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

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

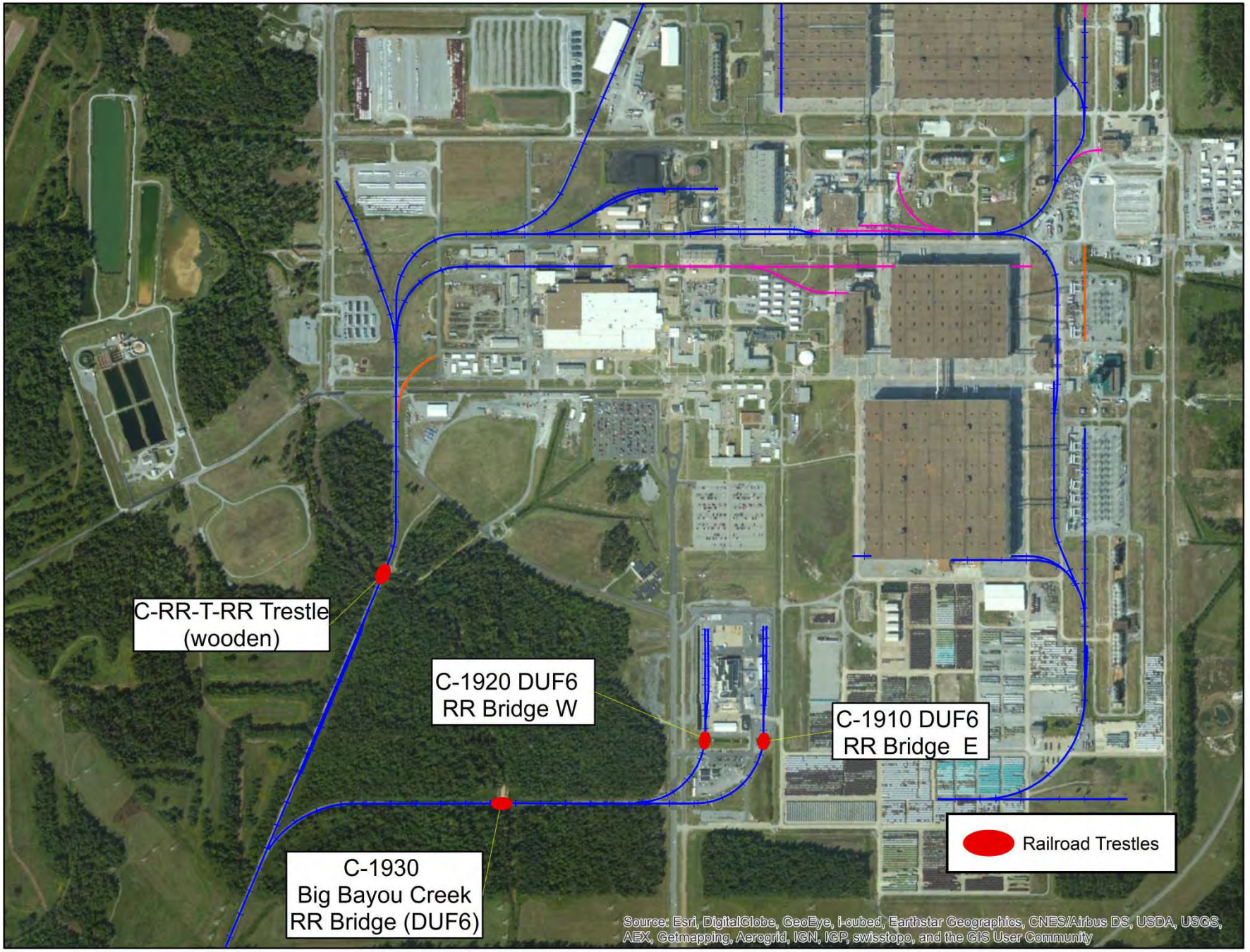
SECTION J-LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

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
INF	INF	C-101	Building	18,326	MB09 Concrete Shear Walls	2	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-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 Shelter	1,800	MB13 Reinforce Masn Bear Walls/Wood,Metl Deck Dphm	1	1979	No
REM	INF	C-204	Building - Disintegrator	192	MB05 Steel Light Frame	1	1981	

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-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
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	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
			System					
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
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

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-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
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

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-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 EF.(KPDES 002)	N/A	N/A	N/A	N/A	N/A
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

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-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
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

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-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
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

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-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
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

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-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
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	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
			(Northeast)					
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 (East)	N/A	N/A	N/A	N/A	N/A
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

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-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
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

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-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
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

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-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
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

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-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
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

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-631-13	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
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

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-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 (South)	N/A	N/A	N/A	N/A	N/A
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

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-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
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	N/A	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
			Abandoned					
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
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

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-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
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

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-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
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

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-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
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

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-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
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

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-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
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

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-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
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-	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
		RR, C-RR-T, C-AREA)						
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

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
21221	**PPPO GET**	General Employee Training (GET). Completion of Portsmouth/Paducah Project Office (PPPO) GET will allow general, unescorted access to non-hazardous material areas at the Portsmouth and Paducah Sites. PPPO GET addresses the Paducah and Portsmouth requirements, as well as any regulatory and contractual requirements common to the U.S. Department of Energy (DOE) Prime Contractors. Section 1 – Introduction to Requirements and Integrated Safety Management System and Environmental Management System (ISMS/EMS) EO 1.1 STATE the requirement for taking GET EO 1 2 DESCRIBE the purpose of the ISMS/EMS Program EO 1 3 LIST the Five Core Functions and Eight Guiding Principles of ISMS EO 1.4 STATE the Zero-Accident Policy Section 2 – General Description of Facilities EO 2.1 DESCRIBE the basic purpose of the Depleted Uranium Hexafluoride (DUF6) operations EO 2 2 STATE the primary responsibilities of the DOE Prime Contractors at Portsmouth and PGDP Section 3 – Job-Related Policies, Procedures, and Instructions EO 3.1 IDENTIFY employee rights and responsibilities EO 3 2 STATE the employee Stop-Work Authority EO 3 3 IDENTIFY prohibited employee conduct EO 3.4 DESCRIBE employee responsibilities for reporting fraud, waste, and abuse EO 3 5 STATE the Drug and Alcohol Policy EO 3.6 STATE the Site Smoking Policy EO 3.7 DESCRIBE the Employee Assistance Program EO 3 8 DESCRIBE the Employee Concerns Program EO 3 9 IDENTIFY the DOE Differing Professional Opinions process EO 3.10 DESCRIBE the basic elements of Conduct of Operations EO 3.11 DESCRIBE the Procedure Use and Adherence Policy EO 3.12 STATE employee responsibilities for reporting incidents and problems EO 3.13 DESCRIBE the integrated Work Control System Section 4 – General Employee Radiological Training (GERT) EO 4.1 IDENTIFY the basic elements of the Radiological Protection Program EO 4 2 IDENTIFY the As Low As Reasonably Achievable (ALARA) Program for minimizing exposure to radiation and radiological contamination	Required for all individuals at the Site. Allows general, unescorted access.	1000	**CBT**	4	80% or higher on a comprehensive exam.	2YR	Available via Internet access

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
		Section 5 – EMS EO 5.1 IDENTIFY the requirements for responding to emergency situations EO 5.2 STATE the See, Flee, and Notify concept EO 5.3 DESCRIBE the Environmental Management System Section 6 – Industrial Hygiene and Safety Program EO 6.1 DESCRIBE the purpose of an Industrial Hygiene Program EO 6.2 IDENTIFY basic occupational hazards and safety controls at the DOE sites EO 6.3 IDENTIFY the primary chemical hazards and controls at the DOE sites EO 6.4 IDENTIFY basic signs and tags used to protect employees EO 6.5 STATE the purpose of the Electrical Safety Program, including Lockout/Tagout Section 7 – Nuclear Safety Program EO 7.1 DESCRIBE the primary elements of the Nuclear Safety Program EO 7.2 STATE the appropriate responses to criticality alarms Section 8 – Security Program EO 8.1 DESCRIBE Security Program elements EO 8.2 IDENTIFY the fundamental elements of the Cyber Security Program EO 8.3 DESCRIBE the elements of the Information Security Program Section 9 – Quality Assurance Program EO 9.1 DESCRIBE the purpose of quality assurance for DOE activities Section 10 – GET Escorting EO 10.1 STATE the requirements for escorting individuals who have not had GET Training							
28307	**Consolidated Annual Training (CAT)**	CAT training includes any changes to GET training and includes information that is required by regulation or DOE Order (0) to be reviewed with employees on an annual basis. To provide the student with a general overview and basic awareness of the following Paducah Gaseous Diffusion Plant (PAD) Site programs/issues: Enabling Objectives: EO1 Fire Extinguisher Awareness EO2 Integrated Safety Management System (ISMS) Awareness Environmental Management Systems Overview EO3 Spill Prevention, Control and Countermeasures (SPCC) EO4 Quality Assurance Overview EO5 Enforcement Program Awareness EO6 Records Management EO7 Differing Professional Opinions (DPO) EO8 Cooperation with Office of Inspector General (OIG) EO9 Department of Energy (DOE) Directives E10 Business Ethics/Standards of Conduct EO11 Diversity Awareness EO12 Workplace Violence Prevention EO13 Employee Conduct Training EO14 Criticality Accident Alarm System (CAAS)	CAT is required for workers who have completed PPPO GET. CAT is not required for visitors.	2000	**CBT**	1	80% or higher on a comprehensive exam.	1YR	Available via Internet access

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
24448	**Fire Extinguisher Training**	Hands-on Fire Extinguisher Training. (Included in CAT, not a stand-alone module. Classroom (C) covering basic safety and Pull. Aim. Squeeze. Sweep. (P.A.S.S.) method) Enabling Objectives: EO1 Demonstrate the P.A S.S.	Allemployeeschoosing to attempt to extinguish a fire.	450	**C**	1	Attendance Roster Pass or Fail	1YR	Offered every 3rd Tuesday. Additional classes are available on an AS NEEDED basis.
50009	**General User Cyber Security Awareness**	Computer/email access requirement required of all individuals accessing government s y s t e m s /network. (Prior to being issued a computer user account, all users must read and acknowledge understanding of the Acceptable Use Policy for Information Technology Resources, 50086). The Agenda: • Introduction, Why Should We Care? Web Security • Social Engineering • Email Security • What's The Worst That Could Happen? • Credentials and Authentication • Incident Reporting • Handling Unclassified Controlled Information (SUI) • Mobile Devices And Portable Media • Visitor And Visitor Equipment Access • Inappropriate Use Of DOE Resources • Roles And Responsibilities	All computer/ email users.	1500	**CBT**	1	80% or higher on a comprehensive exam.	1YR	Available via Internet access
50024	**PPPOAnnual Security Refresher Briefing (ASRB)**	This briefing selectively reinforces the information provided in the comprehensive briefing based on current facility/site-specific security issues, as well as, counterintelligence awareness, Operations Security awareness, and addresses the classification refresher requirements contained in the Contractor Requirements Document of DOE O 475.2B, as applicable. This is a CBT and also an Instructor lead course. The CBT is provided by PPPO/Lexington office; the classroom course is taught by local instructors.	This briefing is required for all cleared individuals and uncleared employees.	2000	**CBT/C**	1.5	Score 80% or higher on the review questions, if applicable	1YR	Available via Internet access or led by instructor

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
50051	**Initial Security Briefing**	DOE contractor and subcontractor personnel who receive a DOE security badge must receive an initial briefing before they are given unescorted access to other than public areas. Content included per DOE O 470.4B: (a) overview of the DOE facility/organization's mission; (b) overview of facility/organization's major S&S program responsibilities; (c) access control; (d) escort procedures; (e) protection of Government property and badge procedures; (f) identification of controlled and prohibited articles; (g) protection of controlled unclassified information (CUI), including official use only information; (h) procedures for reporting incidents of security concern (e g., attempts to gain unauthorized access to the facility or to classified information or matter); and (i) identification of classification markings. This is a CBT and also an Instructor lead class [50051.1, Initial Security Briefing (C)].	All DOE Federal and Contractor and its subcontractors individuals who receive a DOE security badge must receive before they are given unescorted access to the facility/Site.	250	**CBT/C**	1	80% or higher on a comprehensive exam.	0	Available via Internet access or led by instructor
50167	**Comprehensive Security Briefing**	An individual must receive a comprehensive briefing upon notification of a security clearance and before receiving nitial access to classified information or matter, or Special Nuclear Material (SNM). Content included per DOE O 470.4B: (a) Basic classification security policies and principles; (b) Classified information or matter protection elements; (c) Personnel security elements; and (d) Includes completion of Standard Form (SF) 312, *Classified Information Nondisclosure Agreement*.	All Cleared employees and contractors, upon notification of a security clearance, and before initial access to classified information, matter, or special nuclear material. Includes completion of SF 312	100	**CBT**	1	80% or higher on a comprehensive exam.	0	Available via Internet access
150046	**Site Workplace Violence/Active Shooter Training**	This training has been developed to serve as an educational tool for the Paducah Gaseous Diffusion Plant (PGDP), to familiarize personnel with the general response to an active shooter event by the Protective Force (PF) and emergency management personnel and recommended fundamental responses for individuals at the site.	Required for all individuals at the Site.	825	**CBT**	0.5	Acknowledgement	1 YR	Available via Internet access

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
6033	**Classified Matter Protection & Control**	To provide comprehensive Classified Matter Protection and Control (CMPC) training to ensure personnel are trained to a level of proficiency and competence that ensures they are qualified to perform CMPC tasks and/or responsibilities. Objectives: • Access Requirements; • Handling and Protection; • Marking Requirements; • Storage Requirements; • Reproduction Requirements; • Transmitting Requirements; • Destruction Requirements; and • What to do in Emergency Situations.	Cleared personnel whose job requires handling of classified matter.	150	**CBT**	0.5	80% or higher on a comprehensive exam.	2 YR	Available via Internet access
63000	**Privacy Awareness**	This training is designed to address the importance of privacy and to ensure all Department of Energy (DOE) contractor and subcontractor employees are aware of the vital role they play in safeguarding privacy by protecting Personally Identifiable Information (PII).	Required for all individuals at the Site.	300	**CBT**	0.5	Acknowledgement	1 YR	Available via Internet access
150038	**Derivative Classifier (DC) Training**	Training for individuals who are required to determine whether a document or material contains classified nformation or whether a document or material should be upgraded and responds to classification challenges received. Demonstrated competence in a subject area (i.e., gaseous diffusion, gas centrifuge, Safeguards and Security, etc.). Familiar with DOE classification policy, procedures, and guidance.	Must be in a position with a proven or anticipated need for DC authority.	30	**C**	16	2 Tests	2 YRS after initial appointment	Scheduled as required per Classification requirements.
150050	**Reviewing Official (RO) Training (Reviewers Trained for reviewing UCNI)**	Training for individuals who are required to determine whether a document or material contains UCNI. Qualifications. An employee nominated to be a Reviewing Official must be (a) competent in the subject areas in which the authority will be used and (b) familiar with DOE UCNI policy, procedures, and guidance.	All perspective RO from all primes	30	**C**	16	1 Test	3 YRS after initial appointment	Scheduled as required per UCNI RO requirements.

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
000956	**RadWorker Core Academics (Initial)**	The participant will be able to define various radiological concepts, the fundamentals of radiation, radioactive material, and radioactive contamination in accordance with the approved lesson materials. This module contains eight lessons with Enabling Objectives listed for each section. esson 1: Radiological Fundamentals EO1 IDENTIFY the three basic particles of an atom. EO2 DEFINE radioactive material, radioactivity, radioactive half-life, and radioactive contamination. EO3 IDENTIFY the units of measure used for radioactivity and contamination. EO4 Define ionization and ionizing radiation. Distinguish between ionizing and non-ionizing radiation. EO5 IDENTIFY the four basic types of ionizing radiation and the following for each type: Physical characteristics, range in air, effective shielding material(s), biological hazard(s) EO6 IDENTIFY the units used to measure radiation exposure or dose. EO7 CONVERT rem to millirem and millirem to rem. esson 2: Biological Effects EO1 IDENTIFY the major sources of natural background and manmade radiation. EO2 IDENTIFY the average annual dose to the general population from natural background and manmade sources of radiation. EO3 STATE the method by which radiation causes damage to cells. EO4 IDENTIFY the possible effects of radiation on cells. EO5 DEFINE the terms “acute dose” and “chronic dose”. EO6 STATE examples of chronic radiation dose. EO7 DEFINE the terms “somatic effect”, and “heritable effect.” EO8 STATE the potential effects associated with prenatal radiation dose. EO9 COMPARE the biological risks from chronic radiation doses to health risks experienced by workers in industry and daily life. esson 3: Exposure Limits EO1 STATE the purposes of administrative control levels. EO2 IDENTIFY the DOE radiation dose limits and DOE recommended administrative control level. EO3 STATE the actions a female worker should perform to declare her pregnancy. EO4 IDENTIFY the employee s responsibilities concerning radiation dose limits. esson 4: ALARA EO1 STATE the ALARA concept. EO2 STATE the DOE policy for the ALARA Program.	RW Core Training is required for all radiological workers who will be designated as RW I or RW II. Pre-requisite for Site-Specific and RW I and RW II Practical’s.	60	**C**	12	80% or higher on a comprehensive exam.	0	Classroom training is an initial requirement for 1st time RadWorkers. (This course is offered on an AS NEEDED basis) Additional classes are available upon request, contact SST training for additional scheduling.

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
		EO3 IDENTIFY the responsibilities of Management, the Radiological Control Organization (RP) and the Radiological Worker in the ALARA Program. EO4 IDENTIFY methods for reducing external and internal radiation dose. EO5 STATE the pathways by which radioactive material can enter the body. EO6 IDENTIFY methods a radiological worker can use to minimize radioactive waste. esson 5: Personnel Monitoring Programs EO1 STATE the purpose and worker responsibilities for each of the external dosimeter devices. EO2 STATE the purpose and worker responsibilities for each type of internal monitoring method. EO3 STATE the methods for obtaining radiation dose records. EO4 IDENTIFY worker responsibilities for reporting radiation dose received from other sites and from medical applications. esson 6: Radiological Work Permits and Radiological Postings EO1 STATE the purpose of and information found on Radiological Work Permits (RWPs). EO2 IDENTIFY the worker s responsibilities in using RWPs. EO3 IDENTIFY the colors and symbol used on radiological postings. EO4 STATE the purpose and worker responsibilities in regard to radiological postings. EO5 STATE the radiological and disciplinary consequences of disregarding radiological postings, signs, and labels. EO6 IDENTIFY the minimum or recommended requirements for entering, working in, and exiting the following areas: Radiological Buffer, Radiation, Radioactive Material, Underground Radioactive Material, Fixed Contamination, Contamination, High Contamination, and Airborne Radioactivity Area. EO7 IDENTIFY the areas a RWI trained person may enter unescorted. EO8 IDENTIFY the areas a RWII trained person may enter unescorted. esson 7: Emergencies EO1 STATE the purpose and types of emergency alarms. EO2 IDENTIFY the correct responses to emergencies and alarms. EO3 STATE the possible consequences of disregarding radiological alarms. EO4 STATE the Site administrative emergency radiation dose guidelines. esson 8: Contamination Control EO1 DEFINE fixed, removable, and airborne contamination. EO2 STATE sources of radioactive contamination. EO3 STATE the correct response to a spill of radioactive material. EO4 IDENTIFY methods used to control radioactive contamination. EO5 IDENTIFY the proper use of protective clothing. EO6 IDENTIFY the purpose and use of personnel contamination monitors. EO7 IDENTIFY the normal methods used for decontamination.						
004348	**RadWorker Core Academics**	Radiation Worker (RW) Core Training – for RW I and RW II Refresher Training after two year initial RW Core Classroom (initial). Refresher training covering the same Enabling Objectives as stated in the 000956 Rad Worker Core classroom.	RW Core Training is required for all radiological workers who will be designated as RW I or RW II. Pre-requisite for Site-Specific and RW I and RW II Practicals.	800	**CBT**	2	80% or higher on a comprehensive exam. Test out is allowed. If a student elects test out and does not achieve the required score, then the entire module must be taken.	2 YR	Available via Internet access

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
23528	**RadWorker Site-Specific**	The purpose of this course is to provide the Radiological Worker with specific hazard and emergency response nformation for the Paducah Site and with information on radiological hazards that workers may encounter. EO 01 IDENTIFY the general radiological hazards at the DOE Paducah site. EO 02 IDENTIFY the history, biological effects, and sources of transuranic materials found at DOE Paducah site facilities. EO 03 IDENTIFY other Radiological Hazards found at the DOE Paducah site. EO 04 DISCUSS Cylinders and Cylinder Yards. EO 05 DISCUSS Personal Nuclear Accident Dosimeter (PNAD) requirements and where Dosimetry and RP services are located at D&R and Infrastructure. EO 06 EXPLAIN additional radiological signs and postings that may be found at the Paducah site. EO 07 DISCUSS the two different types of radiological work permits found at the Paducah site. EO 08 IDENTIFY the notification method and the proper response for each radiological emergency situation. EO 09 IDENTIFY radiological escorting requirements. EO 10 DISCUSS off-site release and onsite movement of radioactive material. EO 11 EXPLAIN hand-carried items. EO 12 DISCUSS Communications.	Required for all radiological workers who will be designated as RW I or RW II. In addition to RW Site-Specific Training, radiological workers must complete RW Core Training and either RW I or RW II Practical Factors Training.	600	**C, CBT**	2	80% or higher on a comprehensive exam. Test out is allowed. If a student elects test out and does not achieve the required score, then the entire module must be taken.	2 YR	Classroom training is an initial requirement for 1st time RadWorkers. (This course is offered on an AS NEEDED basis.) Additional classes are available upon request.
24331	**RadWorker I Practical SST JPM-TR 1.03**	RW I Practical Factors Training is a JPM (Job Performance Measure) presented in a classroom environment, to provide radiological workers with hands-on practice to prepare them for tasks as a RW I radiological worker. Given a mock-up of a radiological area, personal protective equipment (PPE), monitoring equipment, and applicable forms, demonstrate Radiological Worker I proficiencies. Enabling Objectives: EO1 Complete SSTF-448, Radiological Worker Practical Exercise and the associated Radiological Work Permit. EO2 Perform the exercise as outlined on SSTF-448, Radiological Worker Practical Exercise. EO3 State the proper response to a radiological spill. EO4 State the proper response to a CAAS alarm. EO5 State the proper response to lost or damaged dosimetry. EO6 State the Radiological Areas a RWI trained person may enter unescorted. EO7 Discuss the proper method of obtaining hand carried personal items and dosimetry from a Radiological Area.	RW I Practical Factors Training is required for all radiological workers who will be designated as RW I. In addition to RW Practical Factors Training, radiological workers must complete RW Core Training and RW Site-Specific Training. (Offered weekly) see scheduling info below.	500	**C**	0.5	Instructor Evaluation/Pass or Fail	2 YR	This class is offered every Tuesday and Thursday on a first come first serve basis, additional scheduling is available on an AS NEEDED basis.

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
23548	**RadWorker II Practical SST JPM-TR 1.01**	JPM (Job Performance Measure) presented in a classroom environment to provide radiological workers with hands-on practice to prepare them for tasks as a RW II radiological worker. Students must read and understand a radiological work permit (RWP) they are given a mock-up radiological area, demonstrate the donning of personal protective equipment (PPE), monitoring equipment, and applicable forms, demonstrate Radiological Worker II proficiencies with critical items and receive overall score of 80%. Enabling Objectives: EO1 Demonstrate the proper steps necessary for Radiological Area Entry Preparation. EO2 Demonstrate proper emergency response to a given scenario. EO3 Demonstrate proper Radiological Work Area Practices based on a given scenario from form SSTF-447, RW II Practical Exercise and Evaluation. EO4 Demonstrate the proper steps and technique for donning and doffing protective clothing. EO5 Demonstrate the proper personal monitoring techniques. EO6 Demonstrate the proper method of obtaining hand carried personal items and dosimetry from a Radiological Area. EO7 Demonstrate the proper method of obtaining a radiological survey of hand carried items and materials that need to be removed from a Radiological Area.	RW II Practical Factors Training is required for all radiological workers who will be designated as RW II. The trainee shall have successfully completed Radiological Worker Core Academics 000956 classroom or 4348 computer based training and Radiological Worker Site Specific Module 23528 training prior to attempting this practical evaluation.	50	**C**	1	Instructor Evaluation/Pass or Fail	2 YR	This class is offered every Tuesday and Thursday on a first come first serve basis, additional scheduling is available on an AS NEEDED basis.
012622	**Hazwoper 8-hour Refresher**	Refresher for maintaining Hazwoper requirements. Yearly requirement to maintain Hazwoper requirements, after the nitial 16, 24, or 40 hour class.	Required for designated DOE and DOE Support Contractors for oversight responsibilities.	70	**C**	8	Attendance roster.	1 YR	Offered on an as needed basis through the USW and scheduled as needed or requested by SST Training.
026453	**Lead Worker**	Analyzes lead hazards on the job to ensure that workers perform their work safely, effectively, and confidently.	Required for designated DOE and DOE Support Contractors for oversight responsibilities.	100	**CBT**	5	80% or higher on a comprehensive exam.	1 YR	Available via Internet access
026455	**Hearing Conservation**	For personnel exposed to at or exceeding 85 dBA over 8-hour time-weighted average.	Required for designated DOE and DOE Support Contractors for oversight responsibilities.	200	**CBT**	5	80% or higher on a comprehensive exam.	1 YR	Available via Internet access

MODULE #	COURSE NAME	DESCRIPTION	AUDIENCE	INDIVIDUALS TRAINED PER ANNUM	DELIVERY	HRS.	EVALUATION	REQUAL	SCHEDULE
MCS101	**DUF6-C-CBT-RPP-0016C PAD Radiological Worker II Site Specific**	The purpose of this course is to provide the Radiological Worker with specific hazard and emergency response nformation for the MCS (DUF6) Paducah Site and with information on radiological hazards that workers may encounter. This module is provided as a courtesy per contract requirements (The course content is controlled by MCS/DUF6).	Required for all MCS radiological workers. In addition to RW Site-Specific Training, radiological workers must complete RW Core Training (4348/00956 and MCS RW II Practical Factors Training.	100	**CBT**	2	80% or higher on a comprehensive exam. Test out is allowed. If a student elects test out and does not achieve the required score, then the entire module must be taken.	2 YR	Available via Internet access
MCS102	**DUF6-C-PF-RPP-0016A RW II Practical**	JPM (Job Performance Measure) presented in a classroom environment to provide radiological workers with hands-on practice to prepare them for tasks as a RW II radiological worker. Students must read and understand a radiological work permit (RWP) they are given a mock-up radiological area, demonstrate the donning of personal protective equipment (PPE), monitoring equipment, and applicable forms, demonstrate Radiological Worker II proficiencies with critical items and receive overall score of 80%. This module is provided as a courtesy per contract requirements (The course content is controlled by MCS/DUF6).	RW II Practical Factors Training is required for all MCS/DUF6 radiological workers. The trainee shall have successfully completed Radiological Worker Core Academics 000956 classroom or 4348 computer based training and DUF6-C-CBT-RPP-0016C PAD Radiological Worker II Site Specific training prior to attempting this practical evaluation.	100	**C**	1	Instructor Evaluation/Pass or Fail	2 YR	This class is offered every Tuesday, additional scheduling is available on an AS NEEDED basis.

NOTE: 40-hour HAZWOPER Training Course and 8-hour Annual Refresher is provided by others and is not the responsibility of the Contractor, except for the above 8-hour annual refresher to DOE and DOE direct support contractors. Contractors can access HAZWOPER training for their 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"
RR Required Reading same format as E (Electronic Format)

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.

Attachment J-9

DOE F 470.1
(02/2018)
Replaces DOE F 470.1 (09/2014)
All Other Editions are Obsolete

U.S. Department of Energy
CONTRACT SECURITY CLASSIFICATION SPECIFICATION (CSCS)

1. CSCS No.: CSC-21-452	2. Previous CSCS No.: CSC-21-145	3a. Reason for Action: (Check one) ○ Add ◉ Change ○ Terminate b. Item Numbers Modified: 2, 3b, 4b, 5b, 16, 21

4. This Specification is for: (Complete as applicable)

a. ◉ Contract or Other Number ○ Solicitation
Contract Type: Hybrid
☐ Approved National Interest Determination
(Contractor Facility under FOCI Mitigation)
b. Contract Number: DE-EM0003733 End Date: 03/31/2022 (estimated)
c. Contract Number of Prime: _____
(Complete if registering or soliciting a subcontract) End Date: _____ (estimated)

5. Specification is: (Complete as applicable)

a. Original (Complete date in all cases)	Date: 06/01/2015
b. Revised (Supersedes all previous specifications)	Date: 09/14/2021
c. Certificate of Possession	Date:
Retention of Classified Matter is Authorized Until	Date:
d. Final	Date:
Certificate of Non-Possession or Equivalent	Date:

6. General Identification of this Procurement
Infrastructure Support Services that include designation as the Officially Designated Security Authority at the Paducah Gaseous Diffusion Plant Site. Other contract scope includes site classification office, cyber, IT, and document control.

7. Contractor

a. Facility Code	b. Name, Address, and Zip Code	c. Cognizant Security Office (Name, Address, and Zip Code)
3421	Swift & Staley, Inc. 5505 Hobbs Road Kevil, KY 42053	DOE, Portsmouth/Paducah Project Office 1017 Majestic Drive Lexington, KY 40513

8. Prime Contractor (Complete if registering or soliciting a subcontract)

a. Facility Code	b. Name, Address, and Zip Code	c. Cognizant Security Office (Name, Address, and Zip Code)

9. Actual Place of Performance (DOE Facilities) (Attach additional entries as necessary)

a. Facility Code	b. Name, Address, and Zip Code	c. Cognizant Security Office (Name, Address, and Zip Code)
572	DOE, Paducah Gaseous Diffusion Plant 5501 Hobbs Road Kevil, KY 42053	DOE, Portsmouth/Paducah Project Office 1017 Majestic Drive Lexington, KY 40513

Actual Place of Performance (NON-DOE Facilities) (Attach additional entries as necessary)

a. ID Code	b. Name, Address, and Zip Code	c. Cognizant Security Office (Name, Address, and Zip Code)

10. Clearance and Storage

a. Classification of Matter to be Accessed:
○ TSRD ○ TSFRD ○ TSNSI ◉ SRD ○ SFRD ○ SNSI
○ CRD ○ CFRD ○ CNSI ○ U

b. Level of Storage Required at Contractor Facility in Block 7a:
○ TSRD ○ TSFRD ○ TSNSI ○ SRD ○ SFRD ○ SNSI
○ CRD ○ CFRD ○ CNSI ◉ U

c. Level of Storage for the Performance of this Contract:
○ TSRD ○ TSFRD ○ TSNSI ◉ SRD ○ SFRD ○ SNSI
○ CRD ○ CFRD ○ CNSI ○ U

d. Access Authorization/Security Clearance:
◉ Q ○ L ○ T ○ S ○ C

11. This Contract Will Require Access To:

☐ OTHER DCI CAVEATS
☑ COMSEC
☑ FGI
☐ NATO
☐ SCI
☑ CNWDI
☐ WD/SIGMAS: _____
☑ OTHER: WD

12. In Performing This Contract, The Contractor Will:

☑ Have Access to Classified Information Only at Another Contractor's Facility or a Government Activity
☑ Generate Classified Matter
☑ Perform Services That Require Unescorted Access to Security Areas
☐ Have Access to U.S. Classified Information Outside the U.S., Puerto Rico, U.S. Possessions and Trust Territories
☐ Other (Specify): _____

☑ Receive Classified Matter
☐ Fabricate, Modify or Store Classified Items (e.g., Hardware or Substances)
☐ Be Authorized to Use the Services of the Office of Scientific and Technical Information to Receive Classified Matter
☐ Require a COMSEC Account
☐ Be Authorized to Use the Defense Courier Service

13. Classification Guidance

The classification guidance needed for this classified effort is identified below. NOTE: Guidance which is in itself classified should be referenced here and provided under separate cover.

14. Security Requirements

Security requirements are established for this contract and are identified in the following contract clauses.

☑ DEAR 952.204-2 Security Requirements
☑ DEAR 952.204-73 Facility Clearance (Solicitation)
☑ DEAR 952.204-70 Classification/Declassification
☑ DEAR 970.5204.1 Counterintelligence (for Management Contracts ONLY)

15. Surveys

DOE Surveying Office is PPPO

Elements of this contract are outside the survey responsibility of the Cognizant Security Office and/or the Surveying Office.

◉ No ○ Yes (Identify specific areas and provide explanation/justification for each)

16. Certification and Signature. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified contract. All questions shall be referred to the official named below.

a. Typed Name of Procurement Request Originator	b. Title and Organization	c. Telephone (include Area Code)
Joel B. Bradburne	Acting Manager Portsmouth/Paducah Project Office	859-219-4001

d. Address (include Zip Code)
Portsmouth/Paducah Project Office- U.S. Department of Energy
1017 Majestic Drive
Lexington, KY 40513

e. Signature Joel B. Bradburne Digitally signed by Joel B Bradburne Date: 2021.09.14 12:20:21 -04'00' Date

17. Typed Name of Contracting Official
Jennifer Stokes

Signature JENNIFER STOKES Digitally signed by JENNIFER STOKES Date: 2021.09.14 11:40:35 -04'00' Date 09/14/2021

18. Other Approvals

a. Typed Name of Classification Officer (Approval of Block 13)
Wayne Conley

Signature Willis W. Conley Digitally signed by Willis W. Conley Date: 2021.09.14 11:48:05 -04'00' Date

b. Typed Name of Special Security Officer, Office of Intelligence & Counterintelligence (Approval of Block 11 (SCI))

Signature Date

19a. Typed Name of Local Security Officer
Jeffrey L. Brown

b. Responsible Office

Signature Jeffrey L. Brown Digitally signed by Jeffrey L. Brown Date: 2021.09.14 14:34:14 -04'00' Date

20. Required Distribution

☑ Contractor
☐ Subcontractor
☑ Cognizant Security Office
☑ Administering Contracting Officer
☐ Surveying Office if Different than Cognizant Security Office
☐ Others, as Necessary

21. General Comments:

Safeguards and Security- The Officially Designated Federal Security Authority is Mark J Allen, PPPO Security Team Lead.

ANGELA STEVENS (Affiliate) Digitally signed by ANGELA STEVENS (Affiliate) Date: 2021.09.15 09:54:15 -04'00'

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	[redacted]
A102	C.3.4.2 Telecommunications and Radio Communications	[redacted]
A103	C.3.4.3 IT Support and Services	[redacted]
A104	C.3.5.1 Property Management Services	[redacted]
A105	C.3.5.3 Maintenance of Buildings, Structures, Installed Equipment, and Furnishings	[redacted]
A106	C.3.5.4 Custodial Maintenance and Sanitary Waste Disposal	[redacted]
A107	C.3.5.5 Grounds Maintenance	[redacted]
A108	C.3.5.6 Paved, Gravel and Earth Roads, and Yards	[redacted]
A109	C.3.5.7 Snow and Ice Prevention/Removal	[redacted]
A110	C.3.5.8 Railroad System Maintenance and Repair	[redacted]
A111	C.3.5.9 Pest Control Services	[redacted]
A112	C.3.6 Records Management and Document Control	[redacted]
A113	C.3.7 Mail Services	[redacted]
A114	C.3.8 Reserved	
A115	C.3.9 Training Services	[redacted]
A116	C.3.10 On-Site Fuel Station	[redacted]
	Total CLIN 0101 ELINs:	[redacted]

CLIN 0201 - FIRM-FIXED-PRICE (SECURITY)		
ELIN	**Description**	**Total**
A201	C.3.3 Safeguards and Security	[redacted]
A202	C.3.4.1 Cyber Security	[redacted]
	Total CLIN 0201 ELINs:	[redacted]

CLIN 0301 - LABOR HOUR (EEOICPA)					
ELIN	**Description**	**Estimated Quantity**	**Unit of Measure**	**Fixed Hourly Rate**	**Total Price**
A301	EEOICPA Records Technician	11,280	Hours	[redacted]	[redacted]
A302	EEOICPA Derivative Classifier	3,000	Hours	[redacted]	[redacted]
			Total CLIN 0301 ELINs:		[redacted]

CLIN 0401 - COST REIMBURSEMENT		
ELIN	**Description**	**Total**
A401	C.4.1 Benefit Plans	[redacted]
A402	C.4.2 Utilities	[redacted]
A403	C.4.3 DOE Physicals	[redacted]
A404	C.4.4 Replacement of Government Furnished Property	[redacted]
A405	C.4.5 IFMS Vehicles	[redacted]
A406	C.4.6 Software Licenses	[redacted]
	Total CLIN 0401 ELINs:	[redacted]

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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]

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 275 active personnel for quarterly dosimetry, 40 dosimeters per quarter for visitors, 25 area TLDs per quarter, and 100 BioAssays per quarter 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	14	MONTH	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
A515	Unit Priced Laborer Work Collective Bargaining Agreement (CBA) Wage Labor	Performance of indefinite quantity unit priced labor for laborer skills to perform ditch and outfall obstruction removal, such as beaver dam removal Task order completion times will be specified on each task order	120	HOUR	[redacted]	[redacted]
A516	Unit Priced Heavy Equipment Operator Work Collective Bargaining Agreement (CBA) Wage Labor	Performance of indefinite quantity unit priced labor for heavy equipment operation to perform ditch and outfall obstruction removal, such as beaver dam removal Task order completion times will be specified on each task order	120	LH	[redacted]	[redacted]
A517	Long Reach Excavator Per Day	The Contractor shall provide a long reach excavator if needed per day to support removal of ditch and outfall obstructions, such as beaver dams	8	EA	[redacted]	[redacted]
A518	Long Reach Excavator Per Week	The Contractor shall provide a long reach excavator if needed per week to support removal of ditch and outfall obstructions, such as beaver dams	2	EA	[redacted]	[redacted]
A519	Radiological Instrument Calibration	The Contractor shall perform calibration of all monitoring and surveying equipment at the PGDP as required by the 10 CFR § 835 for instruments provided as GFS&I	30	EA	[redacted]	[redacted]
A520	Radiological Instrument Repair	The Contractor shall perform calibration and maintenance of all monitoring and surveying equipment at the PGDP as required by the 10 CFR § 835 for instruments provided as GFS&I	8	EA	[redacted]	[redacted]
					Total CLIN 0501 IDIQ ELINs:	[redacted]

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	[redacted]
B102	C.3.4.2 Telecommunications and Radio Communications	[redacted]
B103	C.3.4.3 IT Support and Services	[redacted]
B104	C.3.5.1 Property Management Services	[redacted]
B105	C.3.5.3 Maintenance of Buildings, Structures, Installed Equipment, and Furnishings	[redacted]
B106	C.3.5.4 Custodial Maintenance and Sanitary Waste Disposal	[redacted]
B107	C.3.5.5 Grounds Maintenance	[redacted]
B108	C.3.5.6 Paved, Gravel and Earth Roads, and Yards	[redacted]
B109	C.3.5.7 Snow and Ice Prevention/Removal	[redacted]
B110	C.3.5.8 Railroad System Maintenance and Repair	[redacted]
B111	C.3.5.9 Pest Control Services	[redacted]
B112	C.3.6 Records Management and Document Control	[redacted]
B113	C.3.7 Mail Services	[redacted]
B114	C.3.8 Reserved	
B115	C.3.9 Training Services	[redacted]
B116	C.3.10 On-Site Fuel Station	[redacted]
	Total CLIN 0102 ELINs:	[redacted]

CLIN 0202 - FIRM-FIXED-PRICE (SECURITY)		
ELIN	**Description**	**Total**
B201	C.3.3 Safeguards and Security	[redacted]
B202	C.3.4.1 Cyber Security	[redacted]
	Total CLIN 0202 ELINs:	[redacted]

CLIN 0302 - LABOR HOUR (EEOICPA)					
ELIN	**Description**	**Estimated Quantity**	**Unit of Measure**	**Fixed Hourly Rate**	**Total Price**
B301	EEOICPA Records Technician	7,520	Hours	[redacted]	[redacted]
B302	EEOICPA Derivative Classifier	2,000	Hours	[redacted]	[redacted]
			Total CLIN 0302 ELINs:		[redacted]

CLIN 0402 - COST REIMBURSEMENT		
ELIN	**Description**	**Total**
B401	C.4.1 Benefit Plans	[redacted]
B402	C.4.2 Utilities	[redacted]
B403	C.4.3 DOE Physicals	[redacted]
B404	C.4.4 Replacement of Government Furnished Property	[redacted]
B405	C.4.5 IFMS Vehicles	[redacted]
B406	C.4.6 Software Licenses	[redacted]
	Total CLIN 0402 ELINs:	[redacted]

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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]

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 275 active personnel for quarterly dosimetry, 40 dosimeters per quarter for visitors, 25 area TLDs per quarter, and 100 BioAssays per quarter 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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
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	[redacted]	[redacted]
B515	Unit Priced Laborer Work Collective Bargaining Agreement (CBA) Wage Labor	Performance of indefinite quantity unit priced labor for laborer skills to perform ditch and outfall obstruction removal, such as beaver dam removal Task order completion times will be specified on each task order	120	HOUR	[redacted]	[redacted]
B516	Unit Priced Heavy Equipment Operator Work Collective Bargaining Agreement (CBA) Wage Labor	Performance of indefinite quantity unit priced labor for heavy equipment operation to perform ditch and outfall obstruction removal, such as beaver dam removal Task order completion times will be specified on each task order	120	LH	[redacted]	[redacted]
B517	Long Reach Excavator Per Day	The Contractor shall provide a long reach excavator if needed per day to support removal of ditch and outfall obstructions, such as beaver dams	8	EA	[redacted]	[redacted]
B518	Long Reach Excavator Per Week	The Contractor shall provide a long reach excavator if needed per week to support removal of ditch and outfall obstructions, such as beaver dams	2	EA	[redacted]	[redacted]
B519	Radiological Instrument Calibration	The Contractor shall perform calibration of all monitoring and surveying equipment at the PGDP as required by the 10 CFR 835 for instruments provided as GFS&I	200	EA	[redacted]	[redacted]
B520	Radiological Instrument Repair	The Contractor shall perform calibration and maintenance of all monitoring and surveying equipment at the PGDP as required by the 10 CFR § 835 for instruments provided as GFS&I	50	EA	[redacted]	[redacted]
				Total CLIN 0502 IDIQ ELINs:	[redacted]	[redacted]

Portsmouth/Paducah Project Office

U.S. Department of Energy

QUALITY ASSURANCE SURVEILLANCE PLAN

Revision 3

Modification 0134

Paducah Infrastructure Support Services

DE-EM0003733

TABLE OF CONTENTS

ACRONYMS

ACOR	Alternate Contracting Officer's Representative
ADR	Annual Data Report
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's Representative
CP	Contingency Plan
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOELAP	Department of Energy Laboratory Accreditation Program
DUF6	Depleted Uranium Hexafluoride
EIC	Environmental Information Center
EIS	Electronic Information System
ELIN	Exhibit Line Item Number
ERMS	Electronic Records Management System
FAR	Federal Acquisition Regulation
FCC	Federal Communications Committee
FOIA	Freedom of Information Act
FRA	Federal Railroad Administration
GSA	General Services Administration
IPR	Invoice Performance Report
IR	Incident Response
ISS	Infrastructure Support Services
IT	Information Technology
MPR	Monthly Progress Report
NARA	National Archives and Records Administration
NFPA	National Fire Prevention Association
PA	Privacy Act
PEIP	Performance Evaluation Implementation Plan
PGDP	Paducah Gaseous Diffusion Plant
PRS	Performance Required Summary
PWS	Performance Work Standard
O	Order
QA	Quality Assurance
QASP	Quality Assurance Surveillance Plan
RCRA	Resource Conservation and Recovery Act
RMAIP	Risk Management Approach Implementation Plan

RMFO	Records Management Field Officer
PPPO	Portsmouth/Paducah Project Office
TE	Technical Exhibits
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 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 U.S. Department of Energy (DOE) as needed.

1.2 Purpose

This Quality Assurance Surveillance Plan (QASP) describes the methods that DOE 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. The QASP sets the standards for the Evaluators 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 framework for quantitative and qualitative evaluation of Contractor performance.

1.3 QASP Relation to the Contract

DOE will retain the right to change the surveillance methods and 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 internal assurance programs. The Contractor will self-govern and apply assurances to provide quality and timeliness of deliverables and services, as defined in the PWS. The QASP represents the metrics that DOE will evaluate to determine if the Contractor's performance is acceptable.

1.4 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. The Paducah Site Office will utilize a Performance Evaluation Implementation Plan (PEIP) designed to help the Evaluators:

- establish review and surveillance frequencies,
- in determining acceptable services and products,
- in making sample size selections,
- documenting performance deviations, and
- providing measures for customer feedback and survey instruments.

SECTION 2: PERFORMANCE DESCRIPTION

Performance of the Contractor will be monitored through various surveillance methods described in Section 4: *Performing Quality Assurance* and the PEIP. 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, indeterminate, 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 Evaluators 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

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 Evaluators, 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 Evaluators 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. The PEIP provides a standard format for documenting performance. Conforming work observations will be documented to file, used for reference when paying invoices, and retained for the life and closeout of the contract.

Observations of nonconforming work, and recommendations will be elevated to the attention of the COR and CO for further action. The COR and CO will make determinations on deductions for each billing period, and also decide when a deficiency needs to be elevated for remedial or corrective action. If determined that an unsatisfactory area warrants a deduction, the COR/ACOR will complete a Contractor Evaluation Report [(CER), as found in Appendix B] and submit the information to the contractor with a copy to the CO. The CO will consider the contractors response and make a final determination on the applied deduction, if any.

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 roles and responsibilities of the stakeholders involved in executing the QASP 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 assurance plans as part of the contract requirements. The plans allow the contractor to determine and apply methods for ensuring all products and services 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

The key personnel who will be responsible for QASP input are the CO, the COR, the Evaluators, and the Contractor's customers. The subsections provide the role of each DOE, or DOE support contractor position.

3.2.1 Contracting Officer

The CO is a federal position, and has the authority to administer the contract. The CO may delegate many of the day-to-day contract administration duties to the COR and Evaluators. However, the following contractual actions are solely the responsibility of the CO, and will not be delegated: issuance of contract modifications, resolution of Contractor claims and disputes, acceptance of non-conforming work or non-conforming products, 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. Administrative actions such as invoice approval and issuance of Contract Evaluation Reports (CER) may be delegated by the CO to the COR. Communication regarding questions or issues related to the QASP will be directed to the CO or the COR. The CO shall approve revisions to the QASP and related performance standards (Appendix A).

3.2.2 Contracting Officer's 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 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 Evaluators, to another individual in the organization in order to ensure that the performance evaluation 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 provide recommendations 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. An Alternate COR, or ACOR, can also serve in the same capacity as the COR, as delegated and assigned to the contract.

3.2.3 Evaluators

The Evaluators play a key role in contract administration. They serve as the on-site DOE representative of the COR, and report to the COR or designee. The Evaluators perform contract surveillance and

performance evaluation. Contract oversight duties of Evaluators include, but are not limited to, the following:

- Performing surveillance activities as defined by this QASP and the PEIP,
- Making recommendations to the COR for issuance of 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 potential 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 Evaluators are limited to the authority delegated to them by the COR and/or CO. They have no authority to direct or to allow the Contractor to deviate from contract requirements. The Evaluators 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 Evaluators will use the form provided in Appendix D: *Sampling Guide/Inspection Checklist* for each PEIP to capture observations when evaluating a service requirement. Documented observations from the Evaluator activities will capture the inspection results with a recommended Contractor rating of satisfactory marginal, indeterminate, or unsatisfactory performance.

3.2.4 Customers

For the Paducah Infrastructure Support Services Contract, the Infrastructure Support Services (ISS) contractor Customers are defined as the following organizations:

- U.S. DOE / Portsmouth/Paducah Project Office (PPPO),
- PPPO technical support contractors,
- Contractor for the Paducah Deactivation and Remediation services,
- Contractor for the Depleted Uranium Hexafluoride (DUF_6) Conversion Project,
- Public utilizing the Environmental Information Center.

Customers may assist the COR by providing information on Contractor performance through customer feedback. The validated information gained from customer feedback will be used in conjunction with other methods of observation to rate the performance of the Contractor.

SECTION 4: PERFORMING EVALUATIONS

4.1 Surveillance Methods

The surveillance methods 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, and may be adjusted by the Government depending on the Contractor activity, contractor performance trending, and other scheduling factors.

4.1.1.1 Performance Standards and AQLs

The performance standards and AQLs are stated as either percentages or absolute numbers.

4.1.1.2 Evaluation Procedures

Observed defects for a service monitored by 100% inspection are compared over the performance period of the contract, the performance standards and AQLs may be adjusted to meet the contract needs, or when changes are made to the PWS.

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 Evaluators 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 Evaluators 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 Quality Assurance (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 Evaluators 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 Evaluators. The Evaluators 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 Evaluator 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 Evaluators will validate the Customer Feedback Records submitted. It is primarily the responsibility of the Contractor to investigate each complaint to determine the problem. While Evaluators can also investigate customer complaints, the responsibility for initial review shall remain with the Contractor. At the discretion of the Government, the Evaluator 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 Evaluators 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.

The evaluation procedure for this plan can be found in the PPPO Performance Evaluation Implementation Plan for the ISS contract. Evaluations and oversight functions will be performed at intervals commensurate with monthly billing periods. The frequency of evaluations will be adjusted to align with the observations. If performance is found to meet routinely expectations, the performance element may be evaluated less frequently during the year. Alternatively, if the performance is unsatisfactory, the frequency of evaluations may increase.

4.2 Analysis and Results

Contract oversight and analysis will consider the sources of information from the Evaluators, formal surveillances and inspections, and validated customer feedback. Evaluators will provide recommendations to the COR. The COR will consider the Evaluator recommendations as well as the other sources of information to make a determination of performance. For the purpose of executing this plan, the results of the combined contract oversight activities will result in one of the following outcomes: satisfactory performance, or unsatisfactory performance.

The surveillance frequency listed in the PRS (see Appendix A) represents the frequency the surveillance may, be performed, and the 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 DOE has determined that the contractor performance or products 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;
- Results of each set of monthly evaluations are documented based on the process identified in the PEIP.
- The level of surveillance is increased until the Contractor demonstrates acceptable performance over a period of time;
- The COR identifies each discrepancy with the CER for each service that does not meet its AQL, and provides the information to the CO as part of the invoice review process;
- If deficiencies are deemed significant and affect multiple requirements, the CO may escalate more severe actions to correct the situation or circumstances (e.g. a contractual 'Cure' notice may be appropriate).

4.2.4 Indeterminate

Performance determination for designated by the Government when the outcome cannot be finalized.

- The CO and/or COR will make this determination.
- It is anticipated the final outcome will be reached at a future date.

APPENDIX A:
PERFORMANCE REQUIREMENTS SUMMARY

The performance standards and AQLs listed within the Appendix A tables will be used to measure the performance of the Contractor. The tables are applicable to CLINs, ELINs and the functional areas of the PWS:

0. CLIN 0001: C.3.1, Contract Transition
1. CLIN 0101; CLIN 0102; C.2.1, C.2.4, Recurring Reports
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, Document Control, and Environmental Information Center (EIC)
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.

Evaluators will monitor Contractor performance using the PEIP, together with the PRS tables below, and the PWS. 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 CO may add or modify the standards and AQLs. Such changes to the PRS will be documented and shared with the Contractor.

NOTE: As of Revision 1 of this document, the contract transition scope has been completed and verified. The information in Table 0 has been retained for reference.

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.

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 and Section C.2.0 of the PWS. 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.

0. Contract Transition (C.3.1)

The following table was used during the transition period (Oct 1 – Nov 30, 2015) to verify the Contractor performance. All actions related to this portion were completed and captured in the Contract evaluation report and invoice payments completed in January 2016.

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	[redacted] 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	[redacted] 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	[redacted] or 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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 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	[redacted] 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 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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 [redacted] 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 [redacted] deduction for each day (after DOE deems the deliverable not accurate or complete) shall be applied to the Contractor payment (until resubmittal of the deliverable).

1. Recurring Contract Reports (C.2.0)

The following table provides the performance standards, AQLs and surveillance methods pertaining to **contract reports**. Reviews to be conducted by the COR and/or Evaluators upon receipt of the deliverable.

Table 1: Recurring Contract Reports 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.2.1.1	The contractor shall provide an Invoice Performance Report (IPR) with each invoice submittal in accordance with C.2.1.1	The IPR shall provide summary level descriptions of the progress, services rendered, and deliverables submitted during the invoice period and transmitted within 10 business days from the end of the prior month.	Report provides a summary for each active scope area and is available when invoice is submitted	Deliverable Review	[redacted]for each business day deliverable is past the due date or not technically accurate and complete.	Upon receipt of the information; once per month
C.2.1.2	The contractor shall provide an Annual Data Report in accordance with C.2.1.2	The ADR will provide the requested information (to be added by contract mod) in both report (static) format, as well as usable data files (.xls, or other format acceptable to DOE)	Deliverable is submitted on time, and is complete and accurate.	Deliverable Review	[redacted]or each business day deliverable is past the due date or not technically accurate and complete, or does not provide usable data files.	Within 15 days of receipt of the information; once per year
C.2.4.1	The contractor shall provide a Monthly Progress Report in accordance with C.2.4.1	The MPR reports Cost Performance (DoD - Form 2734/1) for each funding account, and transmitted within 10 business days from the end of the prior month.	Report submitted on time and contains data for cost account for active CLINS, and ELINS when applicable	Deliverable Review	[redacted]for each business day deliverable is past the due date or not technically accurate and complete.	Upon receipt of the information; once per month

* Surveillance Frequency may change depending on scope and circumstances as determined by DOE.
**** 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 Evaluators identified by DOE. 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.

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	[redacted] 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 DOE.

** **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 Evaluators identified by DOE. 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 [redacted] 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 [redacted] per day out of service above the AQL	Monthly
**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 [redacted] 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 two business days of notification.	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	[redacted] 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 DOE.

** **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 [redacted] per day of lost service will be deducted from the Contractor payment. This does not include planned, coordinated maintenance activities where notice has been provided to affected organizations 72-hours prior to scheduled maintenance.

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 Summary Report as part of the Invoice Performance 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.3.4.3.2.11	The Contractor shall provide application portfolio management services to ensure efficient and appropriate utilization of applications required licenses.	The contractor submits a summary report of site software and system licenses as part of the Invoice Performance Report required in Section C.2.1. The report shall identify changes (additions/removal) of applications, operating system version changes, and network level modifications.	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 DOE.

** **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 Summary 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. The contractor will disposition excess property to PACRO, where appropriate.	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; Return/replacement of GSA vehicles as lease conditions require; 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 Evaluators may receive customer complaints on the Contractor performance. The AQL is one valid customer complaint per month. If the Contractor or Evaluators 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	Maintain the Public Address and Public Warning systems; schedule and perform repairs to ensure full functionality. Identified in J-8, item C.3.5.3.0.c	The electronic notification system is operational 24 hours per day, 7 days per week. Unplanned disruptions are resolved within 72-hours of notification.	100% operational; disruptions resolved within 72 hours	Periodic and Random Inspection, Customer Feedback	[redacted] for each day in which the system is not functioning, above the AQL	Monthly
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. Where practical, contractor shall use excess parts.	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	[redacted] 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	[redacted] 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	[redacted] 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 5.3.2.5	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
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 the time means no more than 36 hours of total down-time per month, regardless of normal or non-normal hours.	Elevator systems are operational 95% of the time.	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 2.7	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 maintain lighting systems, and perform re-lamping in occupied designated facilities.	Lighting systems are repaired within a reasonable timeframe.	95% of lighting systems 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	[redacted] for each deficiency	Monthly
C.3.5.3.2.13	The Contractor shall maintain, inspect, test, and repair/replace limited area lighting, traffic control devices, and street lamping.	All limited area lighting, traffic control devices, and street lamping shall be kept in good working order.	100% of lighting devices are maintained, inspected, tested, and repaired/replaced within 24 hours of determined failure for bulbs. If equipment is determined to require replacement it should be replaced within 5 days.	Periodic and Random Inspection	[redacted] 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 DOE.

** **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 Evaluators identify more than one valid customer complaint, [redacted] for each additional complaint will be deducted from the Contractor payment. Note: Downtime does not include planned, coordinated maintenance activities where notice has been provided to affected organizations 72-hours prior to scheduled maintenance.

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	[redacted] 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	[redacted] 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	[redacted] 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 DOE.

** **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. An Evaluator 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 DOE 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 to a height no greater than 6 inches.	95% of inspected areas are properly trimmed.	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
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	0.5% 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	1% 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	1% 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.3.5.5.5.2.4) 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	0.5% 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	0.5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.6) ZONE VI.	Vegetation is maintained on an annual basis to prevent woody growth.	95% of inspected locations meet requirements.	Periodic and Random Inspection	0.5% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.7) 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	0.25% of applicable ELIN	Monthly
C.3.5.5.5.2	The Contractor shall perform mowing/vegetation control in accordance with C.3.5.5.5.2.7) 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	0.25% 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	0.25% 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	0.25% of applicable ELIN	Monthly
C.3.5.5.5.5	The Contractor shall control the height of vegetation in and along outfall ditches on a biannual basis to prevent woody growth.	Maintain a mowed and debris free pathway to outfall access points, including steps and platforms leading to sampling weirs, that is no less than three (3') feet wide and with a vegetation height not to exceed twelve (12") inches. The use of herbicide is prohibited for this activity. Trim the vegetation/grass along outfall viewing points, to a height of eighteen (18) inches or less, such as pipe dams, to provide ample viewing of pipe inflow and outflow.	95% of inspected locations meet requirements.	Periodic and Random Inspection	2% 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
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.3.5.5.5.7	The Contractor shall utilize herbicide, or other means, as approved by DOE, to control weed growth and other vegetation in areas not addressed by other zones, such as switchyards, cylinder yards, dust palliative areas, gravel lots, staging areas, and other similar areas.	Vegetation is controlled in these areas at a height of eighteen (18") inches or less.	95% 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 DOE.

** **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. An Evaluator 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	[redacted] 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
**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
C.3.5.6.3.6	The Contractor shall inspect vehicular bridges and provide results of the inspection. Frequency of inspection is not to exceed 24 months.	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.	Deliverable Review	[redacted] for each business day deliverable is past due date or not technically accurate and complete.	Every 24-months
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 DOE.

** **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. An Evaluator 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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	[redacted] 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 DOE.

** **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. An Evaluator will inspect a portion of the areas plowed for locations where the plowing was not performed properly. Also, the Contractor or Evaluators 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, [redacted] 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 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 (bridges). 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.	100% of active rail trestles inspected per annually	Deliverable Review	[redacted] for each business day deliverable is past due date or not technically accurate and complete	Annual
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	[redacted] 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	[redacted] 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	[redacted] 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 for active tracks.	Rail switches are maintained in accordance with C.3.5.8.3.2.	100% active rail switches properly	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.	100% active rail trackage properly	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 DOE.

** **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. Evaluators 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 DOE.	100% of personnel are certified.	Periodic and Random Inspection	[redacted] 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	[redacted] 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 DOE for approval at least fourteen (14) calendar days prior to use.	DOE approves the use of the pesticide prior to use and the pesticides are registered with the State of Kentucky for the intended use.	100% of pesticides approved for use and registered by the State of KY.	Inspection, Observation,	[redacted] for each deficiency above the AQL.	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. All pesticides, rinse water, and containers shall be disposed of in accordance with label directions.	Label book of pesticides use is readily available for inspection by DOE.	100% of pesticides used are identified in the label book, and 100% items disposed of off-site.	Periodic and Random Inspection	[redacted] for each deficiency.	Monthly
C.3.5.9.5	Pesticide spills shall be cleaned, decontaminated, and reported to DOE, 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	[redacted] 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	[redacted] 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 DOE within 30 calendar days following completion of the inspection.	100% of inspection reports provided to DOE.	Inspection, Observation	[redacted] 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 DOE for approval.	Schedules are submitted within 30 calendar days of initial inspection.	Deliverable provided per schedule.	Deliverable Review	[redacted] 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. The Contractor shall provide the removal of nuisance animals. The Contractor shall remove all dead or dying rodents or other animals, as needed.	Contractor maintains areas free of infestations. No more than 3 customer complaints.	No more than three observed infestations or valid customer complaints.	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	[redacted] for each deficiency.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by DOE.

** **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. An Evaluator will inspect pesticides in use and any pesticides found in use that have not been approved by the Government will result in [redacted] 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	[redacted] 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. The Contractor shall ensure all records are imported into the appropriate folder within the ERMS to ensure proper cutoff/disposition, while assigning the correct DOE Records Disposition Schedule. 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 DOE.	The contractor shall ensure quality control processes are in place for records acceptance prior to importing into the ERMS; including but not limited to assigning proper disposition schedule, records arrangement (folder structure) scanned image meets ppi/dpi requirements, pages are rotated properly, security markings are applied and images are clear and legible.	Less than 5% error rate, less than 5% backlog and no more than two valid customer complaints.	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.3.6.3.2	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.	Single review of procedures and periodic and Random Inspection	5% of applicable ELIN	Quarterly
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	[redacted] 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	[redacted] 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.	Periodic and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly
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	[redacted] 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.3.6.5.1	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.	Periodic and Random Inspection, Observation, Customer Feedback	5% of applicable ELIN	Quarterly
**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 Program*, staff are properly trained, and records are properly identified.	100%, compliance no more than zero observed defects (breaches).	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.3.6.5.3	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).	Periodic and Random Inspection, Observation, Customer Feedback	5% of applicable ELIN	Monthly
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.	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.	Periodic and Random Inspections, Customer Feedback	[redacted] for each deficiency	Monthly

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	[redacted] for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of the deliverable
C.3.6.5.7	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.	No more than one observed deficiency or valid customer complaint.	Periodic and Random Inspections, Customer Feedback	10% of applicable ELIN	Monthly
C.3.6.6	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. Complete destruction certificate and submit to DOE RMFO for review and obtain DOE Legal approvals prior to destruction	The contractor shall ensure records are dispostioned per the assigned DOE schedule; including transfer of temporary records to the FRC, permanent records to NARA and destruction of those eligible for destruction.	98% of records are transferred to FRC/NARA within one year of cutoff; destruction eligible are destroyed within one year of approval date.	Period and Random Inspections, Customer Feedback	5% of applicable ELIN	Monthly
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	[redacted] for each business day deliverable is past the due date or not technically accurate and complete.	Single surveillance review of the deliverable

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
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.3.6.9	Provide Internet access and equipment for public use in searching and printing records stored in the EIC. Maintain a visitor log that includes the visitor name, affiliation, and address, as well as a rating from the visitor on the services provided and search capability at the EIC. The visitor also will be asked to provide comments on the EIC search capabilities	Based on the visitor rating range of: Excellent, Good, Fair, or Poor. Acceptable performance is an average rating of Good or above.	No more than two ratings below good, nor more than one valid customer complaint per month	Customer feedback, Periodic Inspection	[redacted] for each deficiency above the AQL	Quarterly, or as needed
C.3.6.9	Provide software/ hardware maintenance for the Website server, Website application, database, and system backups for the system as currently configured.	Website access and full functionality will be available 100% of the business days and hours identified in the contract. Availability outside those hours will be 95% of the time.	No more than two valid customer complaints per month, nor more than one lapse in availability/functionality	Customer feedback, Remote use, Periodic Inspection	[redacted] for each additional deficiency above the AQL	Monthly, or as need is determined

* Surveillance Frequency may change depending on scope and circumstances as determined by DOE.

** **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. Evaluators 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	[redacted] 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	[redacted] 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	[redacted] for each deficiency above the AQL.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by DOE.

** **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. Evaluators will monitor the mail delivery. Also, the Contractor or Evaluators 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, [redacted] 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 within 5 business days or less.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	[redacted] 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	[redacted] 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	[redacted] 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 and are revised as needed to meet current requirements.	No more than two observed defects or valid customer complaints.	Customer feedback, Periodic Inspection	[redacted] 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	[redacted] 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	[redacted] for each additional deficiency above the AQL.	Monthly
C.3.9.4	Prime Contractor Points of Contact are notified their employee has not completed the requisite training and is to be placed on restrictions from general site access.	Prime Contractor Points of Contact are notified within 1 business day 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	[redacted] for each additional deficiency above the AQL.	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by DOE.

**** 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. Evaluators may inspect the training system. Also, the Contractor or Evaluators 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 [redacted] 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.3.5.3.2.4, and C.3.10	The Contractor shall operate and maintain the fueling facility on-site.	The refueling station is available 24 hours per day, 7 days per week. (at least one diesel and one gas operational). 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

* Surveillance Frequency may change depending on scope and circumstances as determined DOE.

** **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 Sections C.3.5.3.2.4 and 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. Evaluators will monitor the refueling station availability. If it is determined that the refueling station is operating less than 95% of the time, 5% of the applicable ELIN 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/ surveillances are no less than Satisfactory.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented.	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	[redacted] for each business day deliverable is past the due date or not technically accurate and complete. If included in the annual Site Security Plan, the deduction is still applicable for items within related to these requirements, specifically.	Monthly
C.3.3.2	**Safeguards and Security Program** in accordance with Security Program requirements as defined in the Contract.	Ratings from DOE surveys, assessments, and/or surveillances are no less than Satisfactory.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	1% of applicable ELIN until corrective action has been satisfactorily implemented.	Monthly
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 no less than Satisfactory.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented.	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	[redacted] for each business day deliverable is past the due date or not technically accurate and complete. If included in the annual Site Security Plan, the deduction is still applicable for items within related to these requirements, specifically.	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 no less than Satisfactory.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented.	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	[redacted] for each business day deliverable is past the due date or not technically accurate and complete. If included in the annual Site Security Plan, the deduction is still applicable for items within related to these requirements, specifically.	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 no less than Satisfactory.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented.	Monthly

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*
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 no less than Satisfactory.	Satisfactory Rating.	DOE Surveys, DOE Assessments, and/or DOE Surveillances	10% of applicable ELIN until corrective action has been satisfactorily implemented.	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	[redacted] 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 DOE.
** **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 3.4.1.2	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 National Institute of Standards & Technology (NIST) Special Publications (SP) and the Committee on National Security Systems (CNSS) 1253.	Cyber security-related risks and corrective active plan information associated with unclassified information systems are submitted to the PPPO Risk Tracking System.	Submittal contains 100% of requested information	Periodic Inspection	10% 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 National Institute of Standards & Technology (NIST) Special Publications (SP) and the Committee on National Security Systems (CNSS) 1253.	Cyber security-related risks and corrective active plan information associated with classified information systems are documented in a risk assessment and submitted to the Authorizing Official for signature.	Submittal contains 100% of requested information	100% Inspection of deliverable	10% 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. The Contractor shall update the System Security Plan annually thereafter.	System Security Plans for all information systems are consistent with the requirements	Submittal aligns with current requirements and contains 100% of	100% Inspection of deliverable	15% of applicable ELIN	Annual

C 3.4.1.3	The Contractor shall Complete a 100% Cyber Security self-assessment annually.	The contractor shall complete a cyber security self-assessment covering 100% of security controls identified in the current, approved System Security Plan for each information system which it has responsibility.	Assessment covers 100% of applicable system controls.	100% Inspection of deliverable	10% 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 Inspection	[redacted] for each deficiency.	Monthly
C.3.4.1.6	The FISMA requires all IT systems be Authorized to Operate (ATO). The Contractor shall obtain and maintain 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 K-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.	The contractor obtains and maintains an active Continuous Authority to Operate for all information systems for which it has responsibility.	100% of information systems have an active CATO	Periodic Inspection	15% of applicable ELIN	Monthly

* Surveillance Frequency may change depending on scope and circumstances as determined by DOE.

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

20. Task Order 063 Modification 0134- C-531 By-Pass Electrical Tie-in

The following table provides the performance standards, AQLs and surveillance methods pertaining to **C-531 Electrical**

Table 20: Installation of Elecrical Systems and Components , AQLs, and Surveillance

PWS Section	Requirement	Performance Standard	Minimum Acceptable Quality Level (AQL)	Surveillance Method	Deduction (Impact on Contractor Payments)	Surveillance Frequency*

J-15.063	The Contractor shall complete the C-531 By-Pass Electrical Tie-In in accordance with the Approved CFC Design Package.	National Electric Code and National Electric Safety Code. Design will also use ANSI/NETA-2017, ASCE 7, AISC 360, ACI 318, Earth Moving ASTM 2487, ASTM 698, Concrete ACI, ASTM	Must meet the design specifications	Periodic and Random Inspection	[redacted] for each deficiency that requires correction to the design package after inspection and acceptance	Ongoing
J-15.063	During cable installation in the underground bores, cable pulling tension will be monitored with tension instrumentation to ensure that cable pulling stresses are not exceeded.	Approved cable pulling calculations	Must meet the design specifications	Periodic and Random Inspection Review Submittal of Testing Results	[redacted] for each deficiency but also require correction to the design standard	Ongoing
J-15.063	All feeders (both old and new) shall be tested prior to energization. These tests will be reviewed and accepted before feeders are energized from the new substation. Tests for the new cables will include megger and hi-pot testing.	National Electric Code and National Electric Safety Code. Design will also use ANSI/NETA-2017, ASCE 7, AISC 360, ACI 318, Earth Moving ASTM 2487, ASTM 698, Concrete ACI, ASTM	Must meet the design specifications	Periodic and Random Inspection Review Submittal of Testing Results	[redacted] for each deficiency but also require correction to the design standard	Ongoing
J-15.063	Termination boxes and Disconnect Switches will be tested per the manufacturer's installation and testing requirements	National Electric Code and National Electric Safety Code. Design will also use ANSI/NETA-2017, ASCE 7, AISC 360, ACI 318, Earth Moving ASTM 2487, ASTM 698, Concrete ACI, ASTM	Must meet the design specifications	Periodic and Random Inspection Review Submittal of Testing Results	[redacted] for each deficiency but also require correction to the design	Ongoing

J-15.063	The cable throughout the system has an ampacity that meets and carries the design loads.	National Electric Code and National Electric Safety Code. Design will also use ANSI/NETA-2017, ASCE 7, AISC 360, ACI 318, Earth Moving ASTM 2487, ASTM 698, Concrete ACI, ASTM CYMCAP may be used to determine the loads	Must meet the design specifications	Periodic and Random Inspection Review Submittal of Testing Results	[redacted] for each deficiency but also require correction to the design standard	Ongoing
J-15.063	Contractor testing and inspection reports for system components such as ACB connections or other system tie-ins are provided in a timely manner to avoid scheduled delays.	Records are made available upon request for inspection.	Deliverable provided per schedule and is technically accurate and complete.	Deliverable Review	[redacted] for each deliverable that is not technically accurate and complete.	Single surveillance review of the deliverable

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, Letter)**	**DATE**
CONTRACTOR NOTIFIED				
EVALUATOR				
COR				

APPENDIX C:
SAMPLING GUIDE/INSPECTION CHECKLIST

SERVICE FUNCTION: _____

PWS SECTION: _____

NOTE: **S** = Satisfactory Performance **M** = Marginal Performance **U** = Unsatisfactory Performance I = Indeterminate
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. Performance is Indeterminate (I) when DOE places a hold on the evaluation outcome.			
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), Indeterminate (I)		
	PRS Requirements	**Timeliness**	**Quality of Work**	**Notes**
	Overall Rating Of Inspection (S, M, U, I)			

Inspector Comments: _____

_____

Contractor Signature:_____Date: _____ Evaluator Signature:___

SECTION J
ATTACHMENT J-12

LIST OF ACRONYMS

ACBM	Asbestos Containing Building Material
ACO	Administrative Contracting Officer
ADA	Americans with Disabilities Act
ADR	Annual Data Report
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
D&R	Deactivation and Remediatio
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
IPR	Invoice Performance Report
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
QASP	Quality Assurance Surveillance Plan
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

Page Intentionally Blank

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 [redacted] This includes [redacted] in actual costs from 1997 through 2011, and an additional estimate of [redacted] 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 [redacted]
- 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 — 11/7/13 — Date

Associate Principal Deputy Assistant Secretary — 11/20/13 — Date

Chief of Staff — 11/7/13 — Date

Manager, Carlsbad Field Office — 11/6/13 — Date

Office of External Affairs — 11/7/13 — Date

Manager, Consolidated Business Center — 11/6/13 — Date

Deputy Assistant Secretary, Site Restoration — 11/25/13 — Date

Manager, Idaho Operations Office — 11/25/2013 — Date

Deputy Assistant Secretary, Tank Waste & Nuclear Material — 11/6/13 — Date

Manager, Oak Ridge Operations Office — 11/22/13 — Date

Deputy Assistant Secretary, Waste Management — 11/25/13 — Date

Manager, Office of River Protection — 11/22/13 — Date

Deputy Assistant Secretary, Safety, Security & Quality Programs — 11/25/13 — Date

Manager, Portsmouth/Paducah Project Office — 11/12/13 — Date

Deputy Assistant Secretary, Acquisition & Project Management — Nov 6, 2013 — Date

Manager, Richland Operations Office — 11/25/13 — Date

Deputy Assistant Secretary, Program Planning & Budget — 11/22/13 — Date

Manager, Savannah River Site — 11/6/13 — Date

Deputy Assistant Secretary, Human Capital & Corporate Services — 11/25/13 — 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 [redacted] 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

Attachment J-14

Executed Performance Guarantee Agreement – Not Applicable

Attachment J-15.001: Task Order 001
Records Management - Sealands

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Records Management and Processing: This is a Cost Plus Fixed Fee Order for the disposition of potentially classified records located at the Paducah site, and stored within four (4) sea-land containers. The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Estimated Cost	Fixed Fee	Total Cost Plus Fixed Fee Price
Records Management – Sealands	8	Months	[redacted]		

B.3 FIXED FEE

(a) The fixed fee is [redacted] (6% of the negotiated subtotal cost of [redacted]
(b) The schedule for which the fixed fee shall be invoiced is based on the percentage of the work completed as documented in the Contractor's Invoice Performance Report.

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order request is to obtain a cost-plus fixed fee proposal from Swift & Staley Inc. on the disposition the potentially classified records located at the Paducah site, and stored within sea-land containers, as follows:

- Legacy Request for Disposal (RFD) records from Waste Operations
- Non-responsive, non-record material currently stored in sea-land containers
- Responsive, non-record material related to Waste Operations and DOE Material Storage Areas (DMSA).

Under the previous Paducah Infrastructure Contract, DE-AC30-10CC40021, eighteen (18) sea-land containers (that contained legacy records) were processed and the records were dispositioned. Due to timing and handling complexity, the last four (4) sea-land containers could not be covered within the contract scope. These remaining sea-land containers house materials marked as sensitive/classified, and are deemed to potentially be radioactively contaminated. It is also possible, but less likely, that some of the materials fall within a litigation hold.

Therefore, this task order requests SSI to complete the remaining actions necessary to process the materials, separate the information according to category, and pursue final disposition methods for each categorical outcome. The contractor will provide monthly progress reports for: the price and work incurred/remaining, remaining schedule, and the associated risk.

2. SCOPE OF WORK

The Contractor shall take the following measures to segregate, organize, and disposition legacy record and non-record materials at the Paducah site:

- Mitigate safety risks
- Label and segregate materials for processing sensitive/classified records according to an approved Records Management Plan
- Preserve and provide proof of completion for destructions, submittals to records centers, and digitization of information.

As part of this scope the Contractor shall: segregate/organize records by subject/topic, utilize a graded approach to perform classification reviews, schedule, index, and disposition the records. All scanned records will be shredded upon quality check verification. Any records beyond the scheduled retention period shall be submitted to DOE for destruction approval and neither shipped nor scanned as referenced in the Records Management Plan. Non-record material (that is non-responsive to the litigation hold) shall be shredded, or disposed in a manner that is compliant with state and federal law.

Records Management and Processing – Special Project Inventory

Sea-land Serial #	*Description*	*Estimated Volume (cubic feet)*	*Constraints*
890151-7	DMSA parts and documents from C-340 & C-410 (classified)	30	Classified
890020-7	C-410 documents	194	Classified, and radioactive contamination
000078-7	Documents from C-340: 11 Fire Kings 50 rad bags 8 boxes	200	Classified, and radioactive contamination
206474-1	Safes from C-340 and tool box	60	Classified

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on December 1, 2016 and complete dispositioning of all records (within the four referenced sea-land containers) on, or before August 1, 2016.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section I terms and conditions related to this task are listed below:

FAR 52.216-8 FIXED FEE (JUNE 2011)

(a) The Government shall pay the Contractor for performing this contract the fixed fee specified in the Schedule.

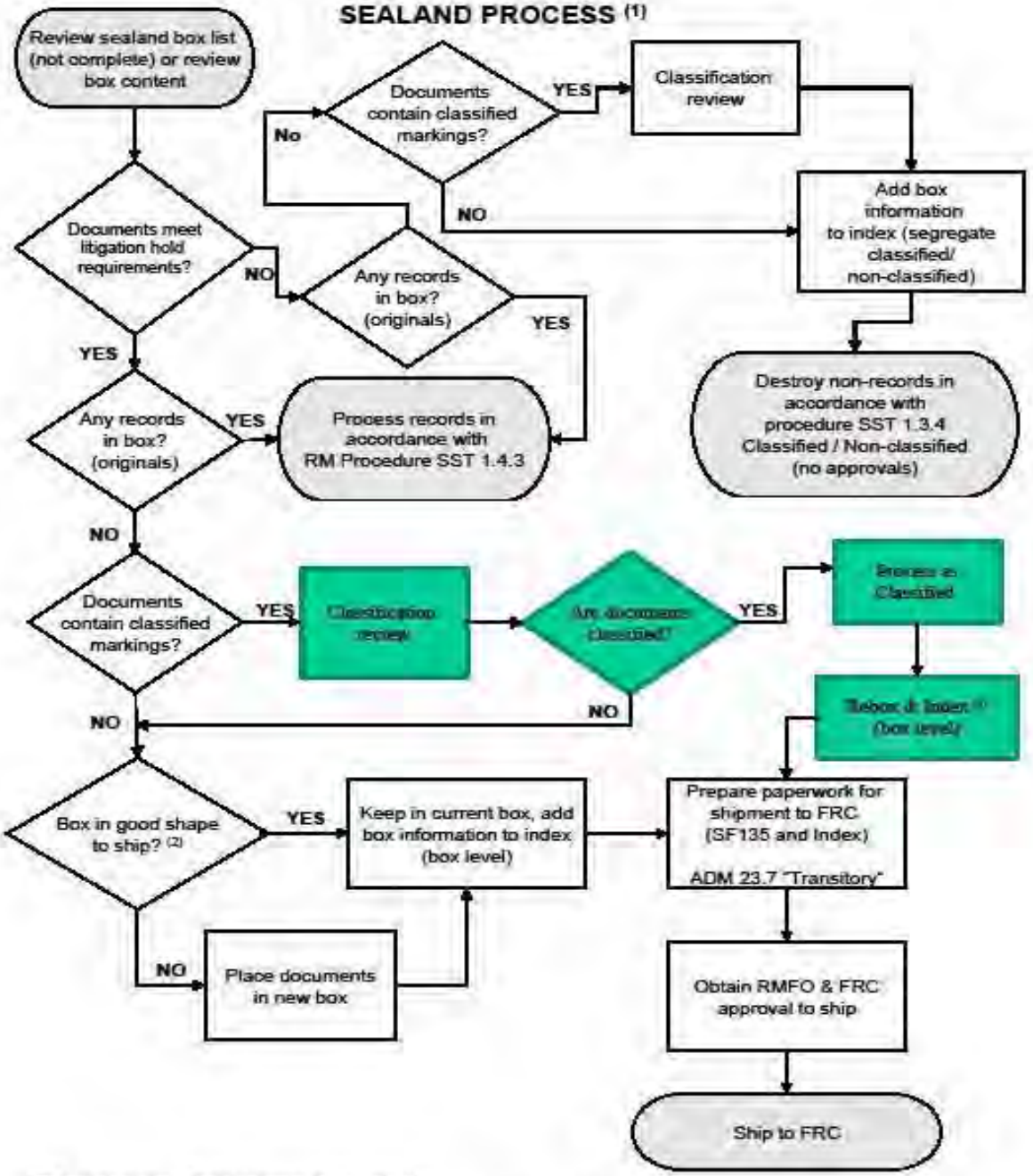
(b) Payment of the fixed fee shall be made as specified in the Schedule; provided that the Contracting Officer withholds a reserve not to exceed 15 percent of the total fixed fee or [redacted], whichever is less, to protect the Government's interest. The Contracting Officer shall release 75 percent of all fee withholds under this contract after receipt of an adequate certified final indirect cost rate proposal covering the year of physical completion of this contract, provided the Contractor has satisfied all other contract terms and conditions, including the submission of the final patent and royalty reports, and is not delinquent in submitting final vouchers on prior years' settlements. The Contracting Officer may release up to 90 percent of the fee withholds under this contract based on the Contractor's past performance related to the submission and settlement of final indirect cost rate proposals.

SECTION J – LIST OF ATTACHMENTS

The following are in addition to those contained in the Basic Contract, Section J.

Attachment A of Attachment J-15.001: Process Flow Diagram – Sealand Process

SECTION J – ATTACHMENT A



(1) Excludes classified/contaminated Sealands
(2) Received approval from FRC to ship in non-compliant boxes if in good shape
(3) Classified would need reboxed in FRC boxes

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 6 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 08/11/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 002	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40507	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40504

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE — REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-6					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831 | $ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.002 Task Order 002: Classification Review and Relocation of Classified Records in the C-100 Vault

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Records Management and Processing: This a is Cost Plus Fixed Fee Task Order for the disposition of potentially classified records located at the Paducah site, and stored within the C-100 Vault. The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Contract Type	Estimated Cost	Fixed Fee	Total Cost Plus Fixed Fee
Records Management – C-100 Vault Classification Review and Relocation of Classified Records	Cost Plus Fixed Fee	[redacted]		

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order request is to obtain a work and cost reimbursable proposal from Swift & Staley Inc. on the classification review of potentially classified records and relocation of classified records located at the Paducah site, and stored in the C-100 Vault.

The contractor will provide monthly progress reports for: the price and work incurred/remaining, remaining schedule, and the associated risk.

2. SCOPE OF WORK

The Contractor shall take the following measures to segregate, organize, and disposition potentially classified record and non-record materials at the Paducah site:

- Mitigate safety risks
- Label and segregate materials for processing sensitive/classified records according to an approved Records Management Plan
- Preserve and provide proof of completion for destructions, submittals to records centers, and digitization of information.

As part of this scope the Contractor shall: segregate/organize records by subject/topic, utilize a graded approach to perform classification reviews, schedule, index, and disposition the records. All scanned records will be shredded upon quality check verification. Any records beyond the scheduled retention period shall be submitted to DOE for destruction approval and neither shipped nor scanned as referenced in the Records Management Plan. Non-record material (that is non-responsive to the litigation hold) shall be shredded, or disposed in a manner that is compliant with state and federal law.

Records Management and Processing – Special Project Inventory in C-100 Vault

The following will be relocated to C-710

- 592 boxes of items previously marked by USEC as CRD/SRD
- All multi-media as follows:
  - 71 Audio/Visual Cassettes
  - 45 - 16mm Film
  - 10 Roll Film
  - 9 - 35mm Slides
  - 39 Aperture Cards
  - 1 X-Rays
  - 8 CD/DVD/Floppy Diskettes
  - 125 balance of Revision Cards not listed below

The following would undergo reviews and then if the record is identified as CRD/SRD, relocate the items to C-710 or another approved location. If not classified, then will remain within C-100 vaults for future records processing:

- 1312 boxes of records
- 60 Revision Cards/Finding Aids (double-sided)
- 335 cubic feet of drawings (equates to approx. 130K)

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on August 11, 2016 and complete dispositioning of all classified records in the C-100 Vault by May 15, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 10

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 08/25/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 003	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40507	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40504

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR:
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-10					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

17(i) GRAND TOTAL: $

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.003 Task Order 003: Design of Modular Building Near Post 57

Rev. 1, Mod 0040

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

MAINTENANCE OF BUILDINGS, STRUCTURES, INSTALLED EQUIPMENT, AND FURNISHINGS: This is Firm Fixed Price Task Order for the design of a new modular facility near Post 57 east of Hobbs Road.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Design of Modular Building Near Post 57	8	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order request is to obtain a work and fixed price proposal from Swift & Staley Inc. to design a new modular facility near Post 57 east of Hobbs Road.

2. SCOPE OF WORK

C.3.5.3.3 Modular Building Near Post 57

Contractor shall design and procure (up to subcontract award) a new modular facility near Post 57 east of Hobbs Road. Facility occupation may be shared with the Deactivation/Remediation Contractor, as determined by DOE. Alternate locations must be approved by DOE. The modular facility design should consider reducing the active shooter impacts (e.g., solid wood doors, duress alarms, etc.). Contractor shall coordinate review and approval of the design with the Deactivation/Remediation Contractor Security organization. The modular facility, including necessary office furnishings, shall include the following:

1. A meeting room/area sufficient for 15 people;
2. A hardened area to be used as a storm shelter and Limited Area;
3. Six (6) offices;
4. A waiting area. Access to the waiting area shall be assumed to be open to the public. Access control to the remaining portions of the facility shall be for a Property Protection Area; Limited Area and Protective Force Area;
5. A File room/area;
6. An equipment room/area to accommodate relocated, consolidated and expanded AACS and Intrusion Detections System equipment as well as the building requirements;
7. An office/observation area with windows for SPO use, to watch Post 57 operations as well as an alarm monitoring area. Areas assumed to be staffed 24/7;
8. Break area;
9. Parking lot;
10. Access driveway to and from Hobbs Road and the construction road;
11. Storm Drainage;
12. Electrical, Communications & Grounding;
13. Lavatory Facilities;
14. Sidewalks;
15. Landscaping and Flag Pole; and
16. Decorative façade on the main entrance side of the facility

17. Install/replace all signage along access road to and from the area to incorporate access changes to support facility operation guidelines.

Design of the modular building shall comply with all laws, regulations, and DOE Orders. The Contractor shall ensure that the design is done in consideration of other ongoing activities/operations in the vicinity of Post 57. The Contractor shall coordinate with and gain DOE concurrence during the planning, design and procurement (up to subcontract award) of the Modular Facility. The Contractor shall submit the 30%, 60%, and 90% design packages to DOE for review and comment and shall submit the Certified for Construction design package to DOE for concurrence. DOE requires a three (3) week review period on all documents. DOE requires the Contractor to submit a formal comment resolution package for all DOE comments. Additionally, the Contractor shall gain DOE approval of all required environmental permits, certificates, agreements, etc. prior to implementation.

1. The 30% Design Package shall include as a minimum:
    - A preliminary plan/layout of the modular building for each option and site considered; and
    - An updated project schedule of major activity durations and milestones including the earliest possible date for operability, as well as all known interdependencies up to and including all interactions with DOE.

2. The 60% Design Package shall include as a minimum:
    - Modular building design drawings and procurement specifications;
    - Pad design to include utility hookup for electricity and water;
    - Design Calculations and analysis as applicable;
    - Draft Inspection and Test Plan; and
    - Preliminary cost estimate and schedule for construction, installation, and testing.

3. The 90% Design Package shall include as a minimum;
    - Complete design drawings;
    - Specifications; and
    - Final Inspection and Test Plan.

4. Certified for Construction package, shall include as a minimum:
    - Approved design drawings and specifications and test plan.

Table 3.5.3.3 Modular Building Milestones/Schedule	
Milestone	**Date**
30% Design Package	October 3, 2016
60% Design Package	November 17, 2016
90% Design Package	December 21, 2016
Certified for Construction Package	January 19, 2017

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on August 25, 2016 and design procurement (up to subcontract award) of the modular building completed by May 15, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section I Contract Clauses related to this task order are listed below by reference:

FAR 52.236-2, DIFFERING SITE CONDITIONS (APR 1984)
FAR 52.236-3, SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK (APR 1984)
FAR 52.236-5, MATERIAL AND WORKMANSHIP (APR 1984)
FAR 52.236-6, SUPERINTENDANCE BY THE CONTRACTOR (APR 1984)
FAR 52.236-8, OTHER CONTRACTS (APR 1984)
FAR 52.236-9 PROTECTION OF EXISITNG VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES AND IMPROVEMENTS (APR 1984)
FAR 52.236-10, OPERATIONS AND STORAGE AREAS (APR 1984)
FAR 52.236-11, USE AND POSESSION PRIOR TO COMPLETION (APR 1984)
FAR 52.236-12, CLEANING UP (APR 1984)
FAR 52.236-13, ACCIDENT PREVENTION (NOV 1991)
FAR 52.236-15, SCHEDULES FOR CONSTRUCTION CONTRACTS (APR 1984)

SECTION J – LIST OF ATTACHMENTS

The following information will be included in Section J.

Proposed Additions to Section J – Attachment 4 Changes: Deliverables for Modular Building Near Post 57

SUMMARY OF CONTRACT DELIVERABLES				
	Deliverable Name	**Requirement**	**Schedule for Deliverable**	**DOE Action – Approval or Information**
1	Modular Building 30% Design Package	C.3.5.3.3	October 3, 2016	COR Comment
2	Modular Building 60% Design Package	C.3.5.3.3	November 17, 2016	COR Comment
3	Modular Building 90% Design Package	C.3.5.3.3	December 21, 2016	COR Comment
4	Modular Building Certified for Construction Package	C.3.5.3.3	January 19, 2017	COR Approval

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 7 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 09/12/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 004	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40507	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40504

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-7					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages):

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.004 Task Order 004: Level II Railroad Maintenance

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II RAILROAD MAINTENANCE: This is Firm Fixed Price Task Order for Level II Service Order for Railroad Maintenance.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II Railroad Maintenance	3	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order is to complete the following Level II Railroad (RR) repairs:

During routine railroad track inspections, due to tie degradation, ballast erosion, and/or track gage issues, it was identified that five RR locations associated with the Paducah Gaseous Diffusion Plant are in need of repair. In this respect, the SST-16-6585 Swift & Staley Inc. memo, dated August 1, 2016, to Tyler Hicks, from Tammy Courtney submitted proposal DE-EM0003733: Level II Service Order, Section C.3.5.8, Railroad System Maintenance and Repair. There are five locations as described in this task order.

2. SCOPE OF WORK

C.3.5.8 RAILROAD SYSTEM MAINTENANCE AND REPAIR

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.

This task order addresses the following Level II scope.

Location #1:
Track #6 at Virginia Avenue Crossing has narrow gage at 55” (below the 56” minimum allowable for Class I Track). Ties are degraded and need replacement. The Contractor will remove existing concrete crossing panels; remove rails through crossing and stage for re-use; remove ties and all fasteners; excavate to approximately 8” below depth of ties and stockpile materials. Replace excavated material with #4 ballast; install new 7” x 9” Grade 5 end-plated ties (spaced at 18” center-to-center [c/c]) through length of new crossing; replace, at a minimum, five additional ties at each end of the crossing; reinstall the existing track; install new joint bolts and spikes; backfill with #4 ballast; align and tamp, as required, to achieve proper grade; and reinstall the existing concrete panels. If existing rubber seals are deteriorated, then asphalt cold patch will be applied between panels and rail.

Location #2:
Track #2 at Sixth Street Crossing has wide gage at 58" (maximum allowable for Class I Track). Ties are degraded and need replacement. The Contractor will saw-cut and remove existing asphalt at a minimum of 36" from edge of existing crossing; remove existing crossing material; remove rails through crossing and stage for re-use; remove ties and all fasteners; excavate to approximately 8" below depth of ties and stockpile materials. Replace excavated material with #4 ballast; install new 7" x 9" Grade 5 end-plated ties (spaced at 18" c/c) through length of new crossing; replace, at a minimum, five additional ties at each end of the crossing; reinstall the existing track; install new joint bolts and spikes; backfill with #4 ballast; align and tamp, as required, to achieve proper grade; and install new full depth rubber grade crossing. Once the new crossing is in place, form and pour new concrete approaches. Concrete will be an eight bag hi-early strength reinforced mix design.

Location #3:
Track #1 tie conditions between mile post (MP) 10 Paducah & Louisville Railway (P&L) and the Woodville Road crossing are degraded. A general tie renewal is required to meet Federal Railway Administration Standards, (FRA) *Title 49, Part 213, Class 1,"Track Safety Standards"* to ensure continued safe movement of P&L locomotives. Contractor will install 50 new 7" x 9" Industrial Grade end-plated ties with new spikes, gage, align, tamp, and adjust ballast as required. Install one (1) approximately 33' replacement section of 90RA rail.

Location #4:
Track #1 at South Acid Road Crossing has wide gage nearing 58" (maximum allowable for Class I Track). Ties are degraded and need replacement. Contractor will remove existing crossing material; remove ties and all fasteners; excavate to approximately 8" below depth of ties and stockpile material. Replace the excavated material with #4 ballast; install new 7" x 9" Grade 5 end-plated ties (spaced at 18" c/c) through length of new crossing and replace, at a minimum, five additional ties at each end. Reinstall the existing track; install new joint bolts and spikes; backfill with #4 ballast; align and tamp, as required, to achieve proper grade. Install new timber crossing. Timber crossing shall be constructed with 7" x 9" Grade 5 ties. Each tie shall be secured with recessed head lag screws or engineering approved equivalent. Once the new crossing is installed, backfill roadway with compacted dense grade aggregate (DGA) and grade surface to ensure proper runoff.

Location #5:
Track #1 and #2 erosion of ballast along embankment from the South Acid Road crossing to the Timber Bridge at Bayou Creek has exposed the tie ends such that the ballast cannot restrain the track laterally, longitudinally, and vertically under loads. Additionally, erosion along the South Headwall of the Timber Bridge over Bayou Creek, needs repair.

Contractor will relocate existing eroded ballast located along embankments and ensure a shoulder width of at least 6" from the edge of the ties. Depth of ballast along the tie shoulders

will not be less than 3" below the top of ties. Slopes along embankments will be uniform. Additional ballast may be required to properly correct erosion along embankments. Excavate the eroded section next to the south headwall of the Bayou Timber Bridge as required; replace the removed material with 8" stone and add dry concrete mix in layers during installation. Apply additional stone along the north side of headwall to prevent any further erosion. All excavated material shall be placed along track embankment.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete railroad maintenance by December 12, 2016.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and

conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 6 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 09/15/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 005	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40507	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40504

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-6					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.005 Task Order 005:
Level II C-100 & C-102 Restroom Maintenance

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-100 & C-102 RESTROOM MAINTENANCE: This is Firm Fixed Price Task Order for Level II Service Order for C-100 & C-102 Restroom Maintenance.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-100 & C-102 Restroom Maintenance	2	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order is to complete the following Level II Facility Maintenance for the Swift and Staley, Inc.'s request for approval of Level II work per Section **C.3.5.2.2.2**, Level II Service Order for C-100 and C-102 restroom maintenance.

2. SCOPE OF WORK

Currently, there are restrooms located in C-100 and C-102 that are unavailable for use due to plumbing issues. Below are the locations and the methods of accomplishment to repair these restrooms.

C-100 First Floor Men's and Women's Restroom Repairs

- Demolition of existing waste pipe under men/women's restrooms.
- Run new no-hub cast iron waste piping header under men's/women's restrooms and tie into existing pipe(s).
- Remove existing fixtures and demolition of existing waste piping (with exception of any piping that may be concealed in wall).
- Run new waste pipe in chase for fixtures.
- Re-install the existing fixtures.
- Test all new piping.

C-102 Men's and Women's Restroom Repairs

- Demolition of approximately 40 feet of waste piping in basement.
- Install new no-hub cast iron piping and tie-ins.
- Demolition of waste piping in men's/women's restrooms.
- Install new no-hub cast iron piping.
- Re-install the existing fixtures.
- Test all new piping.

C-100 Second Floor Men's Restroom Repairs

- Demolition of section of waste piping in Room 142.
- Install new no-hub cast iron waste piping (approximately 20 feet of piping with tie-ins).
- Perform asbestos abatement (55-gallon drum).
- Demolition of existing waste pipe in men's restroom in chase.
- Remove existing fixtures.
- Install new no-hub cast iron waste piping in chase.
- Re-install existing fixtures.
- Test all new piping.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete restroom maintenance by November 15, 2016.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 11/14/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 006	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40507	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40504

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.006 Task Order 006: Level II Clean Out of Drainage Culvert at Tennessee and 21st Street

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-100 & C-102 RESTROOM MAINTENANCE: This is Firm Fixed Price Task Order for Level II Service Order for Clean Out of Drainage Culvert at Tennessee and 21st Street. .

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II Clean Out of Drainage Culvert at Tennessee and 21st Street	1	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor will perform Level II work per Section C.3.5.6.4, Level II Service Order Tasks and Standards for culvert cleanout at Tennessee and 21st Street.

2. SCOPE OF WORK

The Contractor will use hydro-blasting equipment, to clean out a 12" culvert running East to West, including 36" storm drain located at the intersection of 21st Street and Tennessee Avenue. Also, the Contractor will use hydro-blasting equipment, to clean out a18'- 24" culvert running North to South, located East of the intersection of 21st Street and Tennessee Avenue. All of the material removed from the clean out of the culverts will be used by SST to grade the area surrounding the culvert entrance.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete drainage culvert clean out by December 1, 2016.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 5

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 12/06/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 007	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION: Destination	b. ACCEPTANCE: Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.007 Task Order 007:
Level II HVAC at C-755

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II HVAC at C-755: This is Firm Fixed Price Task Order for Level II Service Order for replacement of the C-755-T22A heating, ventilation, and air conditioning (HVAC) unit.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II HVAC at C-755	2	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor will replace the failed HVAC equipment in C-755-T22A trailer.

2. SCOPE OF WORK

The Contractor will remove the current HVAC unit and recover the refrigerant. The Contractor will then install a new HVAC unit. The new unit (a Bard S38H1-B09R) will have a one (1) year Labor Warranty (which covers installation issues) and a standard one (1) year parts warranty.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete replacement of HVAC at C-755 by January 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 12/06/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 008	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)

SEE BILLING INSTRUCTIONS ON REVERSE

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.008 Task Order 008: Level II C-200 Sidewalk Replacement

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-200 Sidewalk Replacement: This is Firm Fixed Price Task Order for Level II Service Order for replacement of C-200 Sidewalk.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-200 Sidewalk Replacement	2	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

Perform sidewalk replacement on the south side of C-200 building to rectify deterioration and safety concerns.

2. SCOPE OF WORK

The contractor will replace approximately 100 linear feet of six feet wide sidewalk located on the south side of C-200 due to deterioration of the existing sidewalk and safety concerns. This includes removal of the deteriorated sidewalk and disposition of excess materials, including offsite disposal or transferring waste to the Deactivation Contractor for disposal, if radiologically contaminated.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete replacement of C-200 Sidewalk by January 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 12/06/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 009	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.009 Task Order 009: Level II C-100 Canopy Replacement

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-100 Canopy Replacement: This is Firm Fixed Price Task Order for Level II Service Order for replacement of C-100 main entrance canopy.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-100 Canopy Replacement	2	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor will replace the C-100 main entrance canopy.

2. SCOPE OF WORK

The Contractor will replace the C-100 main entrance canopy over the exiting frame. The material will be consistent with the previous canopy being replaced.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete replacement of the C-100 Canopy by January 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 12/22/2016	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 010	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)

SEE BILLING INSTRUCTIONS ON REVERSE

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.010 Task Order 010: Level II C-750 Water Piping Replacement

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-750 Water Piping Replacement: This is Firm Fixed Price Task Order for Level II Service Order for replacement of the main sanitary water line from the Deactivation Contractor's isolation valve located near 10th Street into the C-750 Building.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-750 Water Piping Replacement	1	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

Replace the main sanitary water line from the Deactivation Contractor's isolation valve located near 10th Street into the C-750 Building sufficiency to utilize water system in the C-750 building.

2. SCOPE OF WORK

The Contractor shall replace the main sanitary water line from the Deactivation Contractor's isolation valve located near 10th Street into the C-750 Building, including material and labor to replace approximately 60' of 4" ductile steel piping and two isolation valves. Support brackets also will be installed at pipe joints. Following installation, Subcontractor will perform pressure testing to ensure there are no leaks. The Contractor shall perform back-filling, excavation work, and disposal of removed components.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete replacement of the C-750 Water Piping by January 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 5

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 02/01/2017	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 011	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. *(Cont. pages)*

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C. Hicks

23. NAME *(Typed)*: Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.011 Task Order 011:
Level II C-103 Communication Upgrades

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-103 Communication Upgrades: This is Firm Fixed Price Task Order for Level II Service Order for communications upgrades at the C-103 Building.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-103 Communication Upgrades	4	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of the C-103 Communication Upgrade is to replace all phone and data lines located in the offices and meeting rooms located in the C-103 building. This work will encompass the original C-103 building and will not include the annex as that wiring is assumed to be current and should not require any type of upgrade. The phone and data wiring will be replaced with current Ethernet wiring and will be terminated in the C-103 communications/server room.

2. SCOPE OF WORK

The scope of this work shall include the following activities:

- Remove existing phone and data wiring to the offices, meeting rooms, and any other areas that have phone and/or data drop connection.
- Install phone and data wiring in the same locations where old wiring is being removed.
- Terminate wiring with RJ-45 connections on both ends using keystone jacks on the user end and RJ-45 type patch panel in the communications room.
- Terminate wiring in accordance with the *Telecommunications Indust1y Association/Electronic Industries Alliance* (TIA/BIA) T568B wiring standard.
- Group phone and data wiring to ensure quick identification of wire type.
- Install new phone drops to support newer phone technologies.
- Install equipment to facilitate connectivity to existing phone system.
- Install wiring overhead, above the drop ceiling, using mounts, brackets, or other hardware deemed appropriate by the Operations & Maintenance department.
- Perform wire testing to ensure new wiring is operational according to manufacturer's specifications once wiring has been installed and terminated.
- Remove and recycle all replacement wiring.
- Flag-off certain DOE hallways during installation for safety.
- Develop a deployment plan to help facilitate temporary relocation

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete C-103 Communication Upgrades by May 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 7

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 03/07/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 012	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-7					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY	d. STATE	e. ZIP CODE	$	17(i) GRAND TOTAL
Oak Ridge	TN	37831		

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.012 Task Order 012: Design Basis Threat (DBT) Phase II

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Design Basis Threat (DBT) Phase II: This a is Cost Plus Fixed Fee Task Order for the Phase 2 effort associated with the *Design Basis Threat"* (DBT) - DOE O 470.3C, dated 11-23-2016, *"Design Basis Threat"* (DBT) cancels and supersedes DOE O 470.3B, *Graded Security Protection Policy (GSP) (U)*, dated 8-12-08, which requires a security risk assessment that documents residual risk and (if necessary) establishes the protection requirements to be approved by the ODFSA and/or appropriate Federal representative.

The DBT requires sites to analyze their assets and report the effectiveness of their security postures against the defined threats in the DBT. Although this is not necessarily a new concept, there are changes within the DBT that impact the methodologies applied from the GSP. First and foremost is the absolute requirement of Federal acknowledgment of risk associated with DOE assets, considers radiological/chemical /biological sabotage with on-site consequences and provides performance metrics for all departmental assets. The DBT requires more fidelity than the GSP and sites/facilities are now categorized into one or more of eight Protection Levels (PLs). The GSP categorized sites/facilities into one of five Security Protection Levels (SPLs) using a graded approach based on targets. It is assumed this effort is bound to the impacts associated with the implementation of analyzing, reporting, and executing the Safeguards and Security (S&S) requirements of PL 5 – 8 facilities.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Contract Type	Estimated Cost	Fixed Fee	Total Cost Plus Fixed Fee
Design Basis Threat (DBT) Phase II	Cost Plus Fixed Fee	[redacted]		

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order request is to obtain a work and cost reimbursable proposal from Swift & Staley Inc. on the activities necessary to complete the Phase II effort associated with the *Design Basis Threat"* (DBT) - DOE O 470.3C, dated 11-23-2016, *"Design Basis Threat"* (DBT) cancels and supersedes DOE O 470.3B, *Graded Security Protection Policy (GSP) (U)*, dated 8-12-08., which requires a security risk assessment that documents residual risk and (if necessary) establishes the protection requirements to be approved by the ODFSA and/or appropriate Federal representative.

The contractor will provide monthly progress reports for: the price and work incurred/remaining, remaining schedule, and the associated risk.

2. SCOPE OF WORK

The Phase 1 effort (currently included within the fixed scope of C.3.3) results in a report that establishes the baseline for Phase 2. The Contractor shall complete the scope for Phase 2 effort, which requires a security risk assessment that documents residual risk and (if necessary) establishes the protection requirements to be approved by the ODFSA and/or appropriate Federal representative. Once complete, Phase 2 will account for the radiological and chemical sabotage analyses (for the entire site) required by the DBT, and will determine the recommended security postures for all PL5-6 assets that require additional attention. Phase 2 tasks consist of the following:

- Construct the PGDP and the Depleted Uranium Hexafluoride (DUF_6) plant models for simulation runs;
- Coordinate with site emergency management groups to ensure assumptions between the DBT and DOE O 151.1D are the same, to include no duplication of efforts;
- Coordinate and prepare any documentation required for any asset requiring review by the Material Risk Review Committee;
- Ensure any relevant technical standards and technical basis documents are considered, including coordinating any discussions or reviews with DOE-Headquarters;
- Develop 4-5 attack scenarios in accordance with the DBT, and based upon the asset characterization from the Chemical Screening done in Phase 1;
- Determine a baseline system effectiveness of the current protective strategy;
- Develop 3-4 upgrade postures and quantify the impact of system effectiveness for each;
- Finalize the Security Risk Assessment (SRA) documenting the full analysis, simulation results, risk determinations for PL 5 and 6 facilities/assets, as well as

provide assistance with conveying/presenting this data to the ODFSA and Program Office; and

- Develop an Implementation Plan in accordance with the David Klaus letter, *2016 Design Basis Threat Implementation Plans* January 17, 2017.

The following table identifies the DBT Phase II deliverables.

Deliverable	**Completion Date**
DUF6 Facility Model for DBT	Within 30 days of Notice to Proceed
Submit Draft Scenarios to the ODFSA for Concurrence	Within 45 days of Notice to Proceed
Submit to DOE the DBT Paducah Implementation Plan	Within 60 days of Notice to Proceed
Submit the SRA for PL-5/6 assets and provide presentation to the ODFSA – this includes any modeling, inputs, or calculations files in their native format for verification (Results of the SRA may require concurrence or approval from the ODFSA)	June 30, 2017

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on March 8, 2017 and complete Phase II of Design Basis Threat by June 30, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 05/04/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 013	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.013 Task Order 013: DOE O 151.D Comprehensive Emergency Management System

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

DOE O 151.1D Comprehensive Emergency Management System: This is a Firm-Fixed Price Task Order to implement DOE O 151.1D, dated 08-11-2016, *"Comprehensive Emergency Management System."* DOE O 151.1D cancels and supersedes DOE O 151.1C, *Comprehensive Emergency Management System*, dated 11-02-05.

DOE O 151.1C required a facility hazard survey that only includes screening of hazardous materials and radioactive materials. In addition to this requirement, DOE O 151.1D includes a facility hazard survey which also addresses natural and technological hazards, human-caused incidents, a Threat and Hazard Identification and Risk Assessment (THIRA) in accordance with the Department of Homeland Security, and a Comprehensive Preparedness Guide 201.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Contract Type	Quantity	Unit of Measure	Total Firm Fixed Price
DOE O 151.1D Comprehensive Emergency Management System – Base Period	Firm Fixed Price	1	Months	[redacted]
DOE O 151.1D Comprehensive Emergency Management System – Option Period	Firm Fixed Price	1	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

The purpose of this task order is to implement DOE O 151.1D, dated 08-11-2016, *"Comprehensive Emergency Management System."* DOE O 151.1D cancels and supersedes DOE O 151.1C, *Comprehensive Emergency Management System*, dated 11-02-05.

DOE O 151.1C required a facility hazard survey that only includes screening of hazardous materials and radioactive materials. In addition to this requirement, DOE O 151.1D includes a facility hazard survey which also addresses natural and technological hazards, human-caused incidents, a Threat and Hazard Identification and Risk Assessment (THIRA) in accordance with the Department of Homeland Security, and a Comprehensive Preparedness Guide 201. Training will be necessary to perform the THIRA.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on May 8, 2017 and continue through the contract period of performance.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 5

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 05/10/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 014	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.013 Task Order 014:
Level II C-100 Air Handler Replacement

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II C-100 Air Handler Replacement: This is a Firm Fixed Price Task Order for Level II Service Order for C-100 Air Handler Replacement.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-100 Air Handler Replacement	8	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of the C-100 Air Handler Replacement is to replace the Air Handler Unit (AHU) #15 located in the C-100 building.

2. SCOPE OF WORK

The inboard bearing and motor were replaced on the hot deck unit in the Central Equipment Room. The inboard bearing was replaced on the cold deck unit in the Southeast Equipment Room. The Contractor will replace the inboard bearings on the cold and hot deck units in the Southwest Equipment Room.

Due to excessive corrosion, the Contractor will replace the AHU #15 in the C-100 building. The Contractor will perform electrical disconnection of the old unit and connection of the new unit. The non-operational unit will be removed from the basement by crane and transported to the

Southwest equipment room hatch area. The removed unit will be downsized, if required, for waste disposal or scrap metal recycling. The new will also be placed in the basement by crane. The new unit will be installed with a new duct, insulation, and canvas flex connections.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on May 10, 2017 and complete C-100 Air Handler Replacement by December 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 06/08/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 015	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO: a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center; b. STREET ADDRESS (or P.O. Box): P.O. Box 6017			
	c. CITY: Oak Ridge	d. STATE: TN	e. ZIP CODE: 37831	$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.015 Task Order 015: Level II C-100 Door Replacement

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

LEVEL II C-100 Door Replacement: This is Firm Fixed Price Task Order for Level II Service Order for replacement of doors at the C-100 Building.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-100 Door Replacement	6	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall replace doors in five locations. The locations of the doors are as follows:

- C-100 south main entrance (exterior and interior double doors)
- C-100 south badging entrance (revolving door)
- C-100 center exit near elevator (outer double doors)
- C-100 and C-101 Cafeteria (double doors that exit to loop)
- C-100 and C-102 Medical (double doors that exit to loop)

2. SCOPE OF WORK

The Contractor shall remove existing doors and frames, make minor repairs to existing concrete floors and exterior stoops to accommodate new frame installation, and install new galvanized frames and doors. Once the door frames are in place, the Contractor shall perform interior finish repairs, caulking, and painting the new doors and frames.

Descriptions of the doors to be replaced are as follows:

- C-100 south main entrance exterior and interior double doors – two: 36”, storefront, aluminum framed, safety glass, doors separated by a full view, 36”, safety glass panel.
- C-100 south badging entrance revolving door – single: circular revolving door made of four 36” moving glass panels, enclosed in an aluminum frame and providing an effective opening of 36”. This door is not Americans with Disabilities Act (ADA) compliant.
- C-100 center exit near elevator (outer double doors) – two, galvanized, 36”, doors having wire safety mesh, glass, top panels and no center mullion.
- C-100 and C-101 double door exit from the Cafeteria corridor to the loop – two 36”, full view, galvanized and painted frame doors having a center mullion (between the two doors) and a wire safety mesh glass.
- C-100 and C-102 double door exit from Medical to the loop – two 36”, full view, galvanized and painted frame doors having a center mullion (between the two doors) and wire safety mesh glass. This door is also equipped with an automatic ADA opener on the southernmost door (however, it is not functioning).

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete C-100 Door Replacement by November 30, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 06/21/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 016	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

$

17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53 213(f)

Attachment J-15.016 Task Order 016: IDIQ Engineering Support for Railroad Track #1 Culvert Repair

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Engineering Support for Railroad Track #1 Culvert Repair: This is a Firm Fixed Price / Fixed Unit Rate Task Order for Engineering Support for Railroad Track #1 Culvert Repair.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Engineering Support for Railroad Track #1 Culvert Repair	2	Months	[redacted]

* 160 Hours x ELIN A512 Engineering Support [redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide engineering support to develop a design to repair/replace the culvert at Railroad Track #1 causing the subsidence of the rail bed and tracks.

2. SCOPE OF WORK

The Contractor will provide engineering support to develop a design to repair/replace the culvert at Railroad Track #1 causing the subsidence of the rail bed and tracks. This includes completion of a topological survey and elevation survey, identifying the preferred approach to repair or replace the culvert, and complete a final design for the project. The design should include a boundary of area impact that is required to access and complete the repair along with a listing of

permit or easement actions that will be needed to perform the work. A rough-order-magnitude cost estimate for the repair or replace also should be included.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete Engineering Support for Railroad Track #1 Culvert Repair by July 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 07/06/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 017	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE — REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY — Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule	10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION: Destination	b. ACCEPTANCE: Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831 | $ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.017 Task Order 017:
Gate Installation – Public Warning Sirens B1/B2

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Gate Installation – Public Warning Sirens B1/B2: This is a Firm Fixed Price Task Order for gate installation at the B1/B2 sirens.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Gate Installation – Public Warning Sirens B1/B2	1	Month	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall install a gate and concrete barriers at the entrance to the B1/B2 Public Warning Sirens.

2. SCOPE OF WORK

The Contractor shall install a gate at the entrance to the B1/B2 Public Warning Sirens to prevent unwanted vehicle traffic from entering. Concrete barriers will be installed on both sides of the new gate to prevent vehicles from driving around the newly installed gate.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete Gate Installation – Public Warning Sirens B1/B2 by August 11, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 4 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 07/31/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 018	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

17(h) TOT. (Cont. pages)

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.018 Task Order 018: Public Address Pole #8 Repair

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Public Address Pole #8 Repair: This is a Firm Fixed Price Task Order for upgrade of Public Address pole #8.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Public Address Pole #8 Repair	3	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall repair and upgrade Public Address pole #8.

2. SCOPE OF WORK

The ESC-864 controller failed at Public Address pole number 8. Whelen Engineering stopped manufacturing the controller in 2001 and the controller is now obsolete. Based upon recommendations by Whelen Engineering, the Contractor will perform an upgrade to the front panel of the existing equipment. The existing Whelen WPS2800-4 electronics will be replaced with a currently available Whelen electronics upgrade system that is a standard designed factory replacement. The replacement is a Whelen FPU2804 package which includes all necessary electronics. The existing Auxiliary Control/Status (AUXCS) control board will also be replaced with the current version of the AUXCS control board. All new interconnecting harnesses are included in the package. This upgrade is a complete replacement and directly reconnects to all external wiring that includes speakers, batteries, remote control, and Alternating Current power.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete repair and upgrades to Public Address pole #8 by October 31, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 08/08/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 019	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.019 Task Order 019:
IDIQ Engineering Support for PGDP Traffic Study

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Engineering Support for Traffic Study: This is a Firm Fixed Price / Fixed Unit Rate Task Order for Engineering Support for Paducah Gaseous Diffusion Plant (PGDP) Traffic Study.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Engineering Support for PGDP Traffic Study	2	Months	[redacted]

* 100 Hours x ELIN A512 Engineering Support [redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide engineering support to perform a traffic study and make recommendations to address numerous PGDP traffic and pedestrian concerns.

2. SCOPE OF WORK

The Contractor shall provide engineering support to perform a traffic study and make recommendations to address the following traffic and pedestrian concerns:

- Evaluate use of and determine the number and positioning of speed humps and traffic control signs to effectively slow vehicle speeds on Hobbs Road including both

approaches to Post 57, both approaches to Montana Ave at the DUF6 plant, the entrances/exits to C-810 and C-811 parking lots, and the approach to Post 15.

- Evaluate all of the existing crosswalks in the general area between Post 15 and C-200 and make recommendations for them to remain, to be removed, to be relocated or added.
- Evaluate pedestrian crosswalks on Hobbs Road (C-810 to DOE, DOE to DUF6, and south side of Post 15) and make recommendation whether flashing lights are required, and if so, recommend the flashing light configuration.
- Evaluate traffic along Hobbs Road and make recommendations for signing, striping, and signal plan to flex the center lane for reversing traffic.
- Evaluate C-810 parking lot configuration and make recommendations for signing and curb painting.
- Evaluate Dense Grade Aggregate (DGA) for walking surface and how it should be maintained. (e.g., C-412 Complex).
- Provide non-specific location general recommendations regarding curb painting, crosswalk layouts and ADA ramps.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete Engineering Support for PGDP Traffic Study by September 30, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 6

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 08/21/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 020	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE — REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-6					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.020 Task Order 020: Railroad Track #1 Culvert Replacement Revision 1

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Railroad Track #1 Culvert Replacement: This a is Firm Fixed Price Task Order for the replacement of the culvert beneath Rail Track #1 that has subsided due to culvert degradation and separation. The scope includes 1) coordinating and acquiring permits and easements necessary to complete the replacement; 2) excavating, removal, and backfilling of soil; and 3) installation of a new storm drain piping; and 4) removal and restoration of a section of railroad tracks. The Contractor shall implement the enclosed design specifications to be updated as DOE reviews and comments on the draft design. The Contractor shall provide final as built drawings, ensure proper testing and inspection is conducted, and the replacement is accepted prior to reopening the railroad track for DOE use.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Railroad Track #1 Culvert Replacement	5	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order request is to obtain a work and firm fixed price proposal from Swift & Staley Inc. (SSI) on the replacement of railroad track #1 culvert in support of DOE rail use at the Paducah Site.

The contractor will provide monthly progress reports for: the price and work incurred/remaining, remaining schedule, and the associated risk.

2. SCOPE OF WORK

The Contractor shall implement the following activities to replace the Railroad Track #1 Culvert.

1) Permits and Easements – complete/obtain the following permits and easements necessary for the scope of work.

1. Application for Permit to Construct Across or Along a Stream and/or Water Quality Certification
    a. Complete Form #7116 and provide to local floodplain coordinator (David Flowers).
    b. After signed form is returned, file Public Notice in the newspaper for three days as required by the Kentucky Division of Water (KDOW).
    c. After Public Notice is complete, send signed form and Public Notice to KDOW for their review and guidance. Submit storm water pollution plan/best management practices (erosion, sedimentation, spoil piles, run-off, etc.) with application.
    d. KDOW will review and approve the application, reject with comments, etc.
2. Application for Department of Army Corp. of Engineers Nationwide Permit
    a. Will apply for coverage under NWP #3 Maintenance. Submit storm water pollution plan/best management practices (erosion, sedimentation, spoil piles, run-off, etc.) with application.
    b. If approved, will be required to follow work conditions listed under this permit.
3. National Environmental Policy Act (NEPA) Checklist
    a. Complete checklist based on final work scope.
    b. Should fall under existing categorical exclusion (451.1a-014 Maintenance).
    c. Send completed checklist to U.S. Department of Energy NEPA Officer for concurrence.
4. Section 7(a)(2)., *Informal Consultation*, with Kentucky Branch of United States Fish

and Wildlife Service concerning bats.

a. Complete iPAC document with work scope.

5. No construction permit needed from KDOW - existing Kentucky Pollutant Discharge Elimination System permit covers this requirement.

6. Easement agreement

a. Right of Entry has been sent to the Kentucky Department of Fish and Wildlife Resources.

2) Site Clearing and Earth Moving

The Contractor shall complete the site clearing and earth moving necessary for culvert replacement in accordance with Specifications 311000 and 312000 (enclosed).

3) Installation of Storm Drain

The Contractor shall complete the storm utility drainage piping installation in accordance with Specifications 334100 (enclosed).

4) Restoration of Railroad track

The Contractor shall remove rail as necessary to install the new culvert system and then restore the railroad to its original alignment and elevation. Details are as shown on the attached drawings.

The following table identifies the railroad track culvert replacement milestones and deliverables.

Deliverable	**Completion Date**
Complete culvert replacement and installation of new railroad track and ties	December 29, 2017
Complete inspections and place rail back in serve	January 5, 2018
Disposition all project waste	January 12, 2018
Complete site restoration or correction due to erosion or settling	January 31, 2018

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on upon receipt of this Task Order and complete the railroad culvert replacement scope of work by January 31, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 6 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 08/24/2017	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 021	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-6					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. *(Cont. pages)*

SEE BILLING INSTRUCTIONS ON REVERSE

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C. Hicks

23. NAME *(Typed)*: Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.021 Task Order 021:
Level II Railroad System Maintenance & Repair

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II Railroad System Maintenance & Repair: This is a Firm Fixed Price Task Order for Level II Service Order for the maintenance and repair of specific railroad locations.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Railroad System Maintenance & Repair	4	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall perform maintenance and repair of necessary railroad locations identified during routine railroad track inspections. Due to tie degradation, ballast erosion and rail gage issues, specific railroad locations associated with the Paducah Gaseous Diffusion Plant have been identified as in need of repair.

2. SCOPE OF WORK

The Contractor shall perform railroad maintenance and repairs to the following tracks:

1) Depleted Uranium Hexafluoride (DUF_6) Track Repairs

- Raise and tamp the approaches to the C-1930 Big Bayou Creek railroad bridge. The approaches have settled allowing a significant amount of deflection in the tracks. This condition has resulted in increased stress to the rails and bridge structure during rail movements. Subcontractor will raise and tamp both east and west approaches to bring rails back to correct vertical alignment with the bridge.
- Re-position skewed ties. Due to shifting ties, there is an area between the de-rail and the divider switch that has narrow gage (55-7 /8") that is less than the Class I Safety Standard minimum of 56". Subcontractor will correct skewed ties and re-gage track, as required, to bring gage within Class I Safety Standards.
- Install rail anchors to assist with longitudinal track movement and assist in preventing future shifting of ties. The rail anchors will be installed between the C-1930 Bridge and the Divider Switch Turnout.
- Correct cross level and alignment issues in curve. Tamp and align the section of track as required from the 2-DUF6 turnout to the end of the curve.
- Store waste in roll-off bins and dispose off-site.

2) Track #1 and #1W Repairs

- Install 700 new 7" x 9" x 8.5' ties, tamp and adjust gage as required. There are an insufficient number of acceptable ties per rail length and joint tie defects. This results in not having gage holding capability. Class I Safety Standards require five quality ties per 39 foot of rail.
- Add additional ballast along areas of track to ensure proper tie support.
- Correct damage to shoulder and embankment along the west side of Track #1 between Woodville Road and 1 W Siding. Relocate the existing displaced ballast

and tamp as required to ensure that the slopes along the embankments are uniform.

- Store waste in roll-off bins and dispose off-site

3) Track #6 at Texas Avenue Crossing Repairs

The metal crossing panels are deteriorated resulting in uneven, irregular vehicle crossing. Currently, this issue does not affect rail movement as the gage within the crossing is within Class I acceptance and movement of the rail is not detected. However, due to metal panel conditions, vehicle traffic is allowed to strike the side of the rail which causes future rail issues to develop. The Contractor will provide a full renewal timber crossing at this location.

The Contractor will perform the following:

- Saw cut and remove the existing asphalt road surface a minimum of 36" from edge of existing crossing panels.
- Remove existing metal panels, track rail, and ties.
- Excavate to a minimum of 8" below depth of ties and replace with #4 ballast to proper grade.
- Install new 7"x9"x9' Grade 5 end plated ties spaced at 18" center-to-center through length of new crossing.
- Reinstall the existing track rail using new joint bolts and spikes.
- Backfill with #4 ballast, align and tamp as required to achieve proper grade.
- Install a minimum 27-foot wide timber crossing. 7"x9"x9' Grade 5 end plated ties will be used for the crossing timbers. Form and pour new concrete approaches using an 8 bag hi-early strength reinforced mix design. An alternate asphalt design may also be used.
- Recycle metal panels.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on upon receipt of this Task Order and complete the railroad system maintenance and repair scope of work by December 29, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 10/02/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO: 022	4. REQUISITION/REFERENCE NO:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO:			
	a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center			
	b. STREET ADDRESS (or P.O. Box): P.O. Box 6017			
	c. CITY: Oak Ridge	d. STATE: TN	e. ZIP CODE: 37831	$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.022 Task Order 022: Level II Post 48 AACS Repair

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II Railroad System Maintenance & Repair: This is a Firm Fixed Price Task Order for Level II Service Order for the repair of the Post 48 Automated Access Control System (AACS).

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II Post 48 AACS Repair	1	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor performed maintenance and repair of the Post 48 Automated Access Control System.

2. SCOPE OF WORK

The Contractor performed maintenance and repair of the Post 48 Automated Access Control System. This work was completed in order to support site security operations.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor performed the repair of Post 48 Automated Access Control Systems during the month of July 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 4 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 10/24/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 023	4. REQUISITION/REFERENCE NO.
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.023 Task Order 023: IDIQ CBA Wage Labor Culvert Installation near Post 57

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

IDIQ CBA Wage Labor for Culvert Installation near Post 57: This is a Firm Fixed Price / Fixed Unit Rate Task Order for CBA Wage Labor to support installation of a culvert near Post 57 at the Paducah Gaseous Diffusion Plant (PGDP).

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
IDIQ CBA Wage Labor for Culvert Installation near Post 57	2	Months	[redacted]

* 30 Hours x ELIN A503 CBA Wage Labor [redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide CBA Wage Labor support for the culvert installation near Post 57.

2. SCOPE OF WORK

The Contractor shall provide labor to support Kentucky Fish and Wildlife in the installation of a culvert outside the proposed 229 boundary near Post 57. The culvert is to be installed on the east side of the construction road and outside of any wetland. Material will be supplied by Kentucky Fish and Wildlife.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon the necessary materials being delivered to the site by Kentucky Fish and Wildlife. Culvert installation should be completed within 3 weeks of materials being delivered. Culvert Installation shall be completed by November 30, 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 11/21/2017	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 024	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.024 Task Order 024: Level II Air Handler Maintenance

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II Air Handler Maintenance: This is a Firm Fixed Price Task Order for Level II Service Order for the repairs of air handlers found in the C-100 facility. .

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II Air Handler Maintenance	1	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor performed maintenance and repair of air handler units 11 and 12 in the C-100 facility.

2. SCOPE OF WORK

The Contractor performed maintenance and repair of air handler units 11 and 12 in the C-100 facility. This work was completed due to workplace health and safety concerns.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor performed the repair and maintenance of Air Handlers in the C-100 facility during the month of October 2017.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 11/30/2017	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 025	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. *(Cont. pages)*:

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C Hicks

23. NAME *(Typed)*: Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.025 Task Order 025:
IDIQ ELIN A511 DUF6 Project Radiological Services

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

IDIQ ELIN A511 DUF6 Project Radiological Services: This is a Firm Fixed Price / Fixed Unit Rate Task Order for DUF6 Project Radiological Services at the Paducah Gaseous Diffusion Plant (PGDP).

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
IDIQ ELIN DUF6 Project Radiological Services	14	Months	[redacted]

* 14 Months x ELIN A511 Monthly Unit Price [redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide radiological services for the DUF6 Project at the Paducah Gaseous Diffusion Plant (PGDP).

2. SCOPE OF WORK

The Contractor shall provide radiological services as specified in Attachment J-10 Exhibit Line Item Numbers ELIN A511 for the DUF6 Project.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Period of Performance for this Task Order is October 1, 2017 through November 30, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 12/07/2017	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 026	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY	e. STATE	f. ZIP CODE
Kevil	KY	42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY	d. STATE	e. ZIP CODE
Lexington	KY	40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY	d. STATE	e. ZIP CODE
Oak Ridge	TN	37831

17(h) TOT. *(Cont. pages)*

$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C. Hicks

23. NAME *(Typed)*: Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.026 Task Order 026: IDIQ Engineering Support for Security Fence Design Changes (New Property Protection Area Boundary and Limited Area Changes for C-100/C-101/C-102 and C-304 Design Review and Changes)

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Engineering Support for Security Fence Design Changes: This is a Firm Fixed Price / Fixed Unit Rate Task Order for Engineering Support review and modification of the design documents for the New Property Protection Area (PPA) Boundary and the Limited Area (LA) Changes for C-100/C-101/C-102, and C-304.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Engineering Support for Security Fence Design Changes	3	Months	[redacted]

* 320 Hours x ELIN A512 Engineering Support [redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide engineering support to perform a review of the designs and make recommended changes to reduce costs associated with the current design while still meeting the same objectives.

2. SCOPE OF WORK

The Contractor will:

- Evaluate the New PPA Boundary and LA Changes for the C-100/C-101/C-102 and C-304 design documents.
- Remove scope from New PPA Boundary associated with the new C-104 building to be added to the C-104 Building Project.
- Submit recommended changes to DOE for finalizing scope and reducing the overall cost by January 31, 2018.
- Revise the design documents to incorporate the changes approved by DOE.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete Engineering Support for the design changes by February 28, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 4 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 01/05/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 027	4. REQUISITION/REFERENCE NO:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO:			
	a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center			
	b. STREET ADDRESS (or P.O. Box): P.O. Box 6017			
	c. CITY: Oak Ridge	d. STATE: TN	e. ZIP CODE: 37831	$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.027 Task Order 027: C-102-T02 & C-102-T03 Trailer Repairs

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

C-102-T02 & C-102-T03 Trailer Repairs: This is a Firm Fixed Price Task Order for Repairs to C-102-T02 and C-102-T03 Trailers.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
C-102-T02 & C-102-T03 Trailer Repairs	3	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide repairs to C-102-T02 & C-102-T03 Trailers.

2. SCOPE OF WORK

The Contractor will perform the following: install new fiber optic cable from C-102-T02 to C-102-T03, repair the roof on each trailer, and miscellaneous carpentry items.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete C-102-T02 & C-102-T03 Trailer Repairs by March 31, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 4 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 01/22/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 028	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C. Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.028 Task Order 028: IDIQ CBA Wage Labor - Support Contractor Relocation

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

IDIQ CBA Wage Labor - Support Contractor Relocation: This is a Firm Fixed Price / Fixed Unit Rate Task order for CBA Wage Labor to relocate DOE Support contractors currently located at Kevil, KY to C-102-T02 and C-102-T03 at the plant site.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
IDIQ CBA Wage Labor – Support Contractor Relocation	1	Month	[redacted]

* 200 Hours x ELIN A503 CBA Wage Labor[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall relocate DOE Support contractors currently located at Kevil, KY to C-102-T02 and C-102-T03 at the Paducah Gaseous Diffusion Plant (PGDP).

2. SCOPE OF WORK

The Contractor will locate excess furniture needed to setup offices and move furniture into the C-102-T2 and C-102-T3 for approximately 18 people. Work also includes office relocations, removal of whiteboards from Kevil and reinstallation in C-102-T2 and C-102-T3, disassemble/assemble furniture as needed, move office furniture, file cabinets, plotter and boxes, etc.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete Support contractor relocations to C-102-T02 & C-102-T03 by January 31, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 01/31/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 029	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO:			
	a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center			
	b. STREET ADDRESS (or P.O. Box): P.O. Box 6017			
	c. CITY: Oak Ridge	d. STATE: TN	e. ZIP CODE: 37831	$ / 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.029 Task Order 029: Public Address Pole #4 Repair

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Public Address Pole #4 Repair: This is a Firm Fixed Price Task Order for upgrade of Public Address pole #4.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Public Address Pole #4 Repair	3	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall repair and upgrade Public Address pole #4.

2. SCOPE OF WORK

The ESC-864 controller failed at Public Address pole number 4. Whelen Engineering stopped manufacturing the controller in 2001 and the controller is now obsolete. Based upon recommendations by Whelen Engineering, a front panel upgrade to the existing equipment will be performed. The existing Whelen WPS2800-4 electronics will be replaced with a currently available Whelen electronics upgrade system that is a standard designed factory replacement. The replacement is a Whelen FPU2804 package which includes all necessary electronics. The existing Auxiliary Control/Status (AUXCS) control board will also be replaced with the current version of the AUXCS control board. All new interconnecting harnesses are included in the package. This upgrade is a complete replacement and directly reconnects to all external wiring that includes speakers, batteries, remote control, and Alternating Current (AC) power.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete repair and upgrades to Public Address pole #4 by April 30, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 7 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 02/13/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 030	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-7					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOT. (Cont. pages):

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL:

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.030 Revision 1 Task Order 030: Design Basis Threat Phase III

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER - ITEMS BEING ACQUIRED

Design Basis Threat Phase III: This a is Cost Plus Fixed Fee Task Order for the Phase III effort associated with U.S. Department of Energy (DOE) Order (O) 470.3C, *Design Basis Threat (DBT)*, dated November 23, 2016. This order cancels and supersedes DOE O 470.3B, *Graded Security Protection Policy (GSP) (U)*, dated August 12, 2008, which requires a security risk assessment that documents residual risk and (if necessary) establishes the protection requirements to be approved by the Officially Designated Federal Security Authority (ODFSA) and/or appropriate Federal representative.

The DBT requires sites to analyze their assets and report the effectiveness of their security postures against the defined threats in the DBT. Although this is not necessarily a new concept, there are changes within the DBT that impact the methodologies applied from the GSP. First and foremost is the absolute requirement of Federal acknowledgment of risk associated with DOE assets, considers radiological/chemical /biological sabotage with on-site consequences and provides performance metrics for all departmental assets. The DBT requires more fidelity than the GSP and sites/facilities are now categorized into one or more of eight Protection Levels (PLs). The GSP categorized sites/facilities into one of five Security Protection Levels using a graded approach based on targets. It is assumed this effort is bound to the impacts associated with the implementation of analyzing, reporting, and executing the Safeguards and Security requirements of PL 5 – 8 facilities.

B.2 CONTRACT LINE ITEMS

This work shall be performed under Contract Line Item Number 0501, see Section B of the Basic Contract for more information.

Description	Contract Type	Estimated Cost	Fixed Fee	Total Cost Plus Fixed Fee
Design Basis Threat (DBT) Phase III	Cost Plus Fixed Fee	[redacted]		

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The purpose of this task order request is to obtain a work and cost plus fixed fee proposal from Swift and Staley, Inc. (SSI) on the activities necessary to complete the Phase III effort associated with DOE O 470.3C, *Design Basis Threat (DBT)*, dated November 23, 2016. This order cancels and supersedes DOE O 470.3B, *Graded Security Protection Policy (GSP) (U)*, dated August 12, 2008, which requires a security risk assessment that documents residual risk and (if necessary) establishes the protection requirements to be approved by the ODFSA and/or appropriate Federal representative.

The Contractor will provide monthly progress reports for the price and work incurred/remaining, remaining schedule, and the associated risk.

2. SCOPE OF WORK

The Phase III DBT analysis effort will include all efforts necessary to complete a holistic DBT site-wide Security Risk Assessment (SRA) for the Paducah Gaseous Diffusion Plant (PGDP). Phase III will focus on the remaining PGDP assets that were not evaluated in Phases I and II, which involved the assessment of hazardous materials in the form of chemical and radiological targets present at the site.

Task 1 - Finalize Security Risk Assessment

Under Task 1 the Contractor will perform and document a PL-7 and PL-8 analysis utilizing site-provided operations and facility information provided at the kick-off meeting. Task 1 will include gathering information on the site assets and protection program and ensure understanding of the site's security and operational considerations. Major activities under Task 1 include:

- Conduct facility walkdowns
- Conduct remaining plume/dispersal analysis (if required)
- Characterize all remaining site assets
- Develop scenarios - to include non-conforming storage configurations
- Conduct blast analysis (if required)
  - Create graphics, maps, and blast rings (if required)
- Characterize protection elements
- Create SRA matrices
- Update SRA report
- Compile all three phases into a single report and Finalize the SRA
- Provide briefing to DOE

Task 2 - Conduct Mitigation Options Analysis

The Contractor will assist in the preparation and presentation of the analysis results and recommendations for DOE managers, to include any DOE Headquarters (HQ) presentations that may be required to support approval of the analysis. Major activities under Task 2 include:

- Identify Worst Case Security Conditions/Effectiveness
- Identify Mitigation Options
- Evaluate Mitigation Option feasibility
- Conduct Options Analysis
- Develop Options Analysis Report
- Present Options Analysis to DOE
- Finalize Options Analysis report

The Contractor will provide a draft technical report that clearly and concisely documents the analysis methodologies, recommendations, and identifies any upgrades the Contractor believes are necessary to reduce risks.

- The draft report will incorporate all three phases of the DBT effort and will bin all site assets into the appropriate protection levels in a format consistent with DOE SRA methodology and requirements.
- Assist the site security staff in developing and documenting equivalencies and/or exemptions. This task is in the event a formal DOE equivalency or exemption is required to support the proposed protection strategy.
- Identify and document a preliminary set of supporting validation activities and exercises required to provide high confidence in the security posture and the emergency response programs.
- Provide a final report in a consistent DOE format.

Develop a presentation in PowerPoint or similar format, which summarizes the analysis results to include conducting the presentation for PGDP personnel and for Federal staff to include DOE HQ personnel, if necessary.

The Contractor will prepare all results and support activities to provide a comprehensive briefing to the ODSFA to clearly depict all associated risks and effectiveness determinations for the entire implementation effort.

The following table identifies the DBT Phase III deliverables.

Deliverable	**Completion Date**
Finalize the SRA and Brief DOE This task includes facility walkdowns, characterizing remaining assets, conducting any missed plume/dispersal analyses, developing scenarios, blast analyses, graphic creations, hazards analysis, and mitigation strategy development.	120 days after Notice to Proceed (NTP)
Phase III Technical Report (Documenting the analysis methodologies, recommendations, and identify any upgrades necessary to reduce risks.) This task includes building the SRA matrices, finalizing the SRA Report, incorporating SSI comments, and drafting presentation materials.	150 days after NTP
Presentation of the Analysis Results and Recommendations This task includes finalizing presentation materials with SST, developing any follow-on materials for any HQ engagements, and coordinating and delivery of briefings.	180 days after NTP

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work on February 15, 2018, and complete Phase III of the DBT by August 31, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this task order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 02/21/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 031	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:
a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center
b. STREET ADDRESS (or P.O. Box): P.O. Box 6017
c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. (Cont. pages)

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.031 Task Order 031: Security Optimization – Realign 229 Boundary

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER - ITEMS BEING ACQUIRED

Security Optimization- Realign 229 Boundary: This is a Firm Fixed Price Task Order for the 229 Boundary Realignment.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement. The Contractor shall furnish all personnel, facilities, equipment, supplies, and services (except as furnished by the U.S. Department of Energy (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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under Contract Line Item Number 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Security Optimization - Realign 229 Boundary	8	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall provide procure, construct and install the security optimization project of Realignment of the 229 Boundary.

2. SCOPE OF WORK

Realign 229 Boundary for Paducah Gaseous Diffusion Plant
The Contractor shall provide all personnel, expertise, equipment, and materials to install fencing, gates, postings and marking to realign the Paducah Site 229 Boundary and remove the existing 229 Boundary and associated postings and signage.

The following tasks (as a minimum) are to be performed and/or provided:

1. The Contractor shall provide and install all fencing, gates, barriers, postings and/or signage in accordance with the following enclosed drawings, design package, and specifications:
   - Drawing #: C5E-FA4160-A01, Revision FA2
   - Drawing #: C5E-FA4160-A02, Revision FA3
   - Drawing #: C5E-FA4160-A03, Revision FA4
   - Drawing #: C5E-FA4160-A04, Revision FA2
   - Detailed Design Package #: DDP-FA4160-01
   - Design Installation and Verification Specifications #: DIV-FA4160-C001

2. The Contractor shall prepare and submit a land survey of the realigned 229 Boundary, maps, notifications, permits and other documentation as applicable. Land survey shall provide visible (i.e., fence posts and/or iron pins) markers at the coordinates listed as part of the notice in the Federal Register.

3. The Contractor shall submit a draft notice to DOE for publication in the Federal Register.

4. The Contractor shall coordinate with DOE, the Deactivation and Remediation (D&R) contractor and Depleted Uranium Hexafluoride (DUF_6) contractor when installing the new 229 Boundary.

Deliverables:

- Completion of installation and construction of all fencing, gates and barriers work, including DOE walkdowns and concurrence. Due July 25, 2018.
- Complete Land Survey of realigned 229 Boundary and submit to DOE for information. Due August 9, 2018.
- Submit draft notice to DOE for publication in the Federal Register. Due August 22, 2018.
- Complete installation of postings and signage for realigned 229 Boundary. Due September 20, 2018.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete by September 28, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 03/02/2018	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 032	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. *(Cont. pages)*

SEE BILLING INSTRUCTIONS ON REVERSE

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C Hicks

23. NAME *(Typed)*: Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.032 Task Order 032: Carpet Replacement in C-103 Large Conference Room

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Carpet Replacement in C-103 Large Conference Room: This is a Firm Fixed Price Task Order to replace the carpet in the C-103 Large Conference Room.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Carpet Replacement in C-103 Large Conference Room	1	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall replace the carpet in the Large Conference Room at the C-103 building.

2. SCOPE OF WORK

The Contractor will remove and dispose of the existing carpeting in the C-103 Large Conference Room and replace with new carpeting squares. The Contractor will:

- Install appropriate door strips and trim,
- Install plastic or other type of molding that will be used to hide power cords and wiring to prevent tripping hazards in the room,
- Move the furniture or other items necessary for carpet installation and return the room for use upon installation of the carpet, and
- Coordinate the schedule for installation with DOE.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete carpet replacement in C-103 Large Conference Room by March 31, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 03/08/2018	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 033	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION: Destination	b. ACCEPTANCE: Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. *(Cont. pages)*

$ | 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C. Hicks

23. NAME *(Typed)*: Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.033 Task Order 033: C-104 Pre-Construction Activities

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER - ITEMS BEING ACQUIRED

C-104 Pre-Construction Activities: This is a Firm Fixed Price Task Order for pre-construction activities associated with the planned construction of the C-104 Building.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described herein. The Contractor shall furnish all personnel, facilities, equipment, supplies, and services (except as furnished by the U.S. Department of Energy [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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under Contract Line Item Number 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
C-104 Pre-Construction Activities	3	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall complete pre-construction activities to prepare the site area for construction of the C-104 Building. Pre-construction activities also include preparation of permits, National Environmental Protection Act (NEPA) checklists, and other planning documents up to procurement and construction of the C-104 Building. The C-104 Construction will be a separate Task Order.

2. SCOPE OF WORK

C-104 Utilities Preparation and Planning

The Contractor shall initiate planning documents for the C-104 Building Construction and prepare the area by re-routing utilities in the area that would be impacted by construction. Specifically, these activities include:

- Complete NEPA checklist and other required environmental notifications.
- Coordinate with Kentucky Utilities (KU) to relocate power poles and lines that are over the proposed C-104 Building and other proposed structures. KU is to set new poles, as needed and relocate the lines around the C-104 Building area. The Paducah Power System (PPS) fiber optic line is on the same poles and will also be rerouted.
- Coordinate with Jackson Purchase Energy (JPEC) to replace poles over the C-104 Building area proposed access road in order to raise the lines for roadway clearances. There are JPEC poles that are the north-south poles along the East side of Hobbs that will be over the connection road between Hobbs and Haul Roads for entry into C-104. The poles will be replaced with taller poles and the lines raised to meet highway clearance requirements.
- Coordinate with Windstream Communications to raise fiber optic lines located on the JPEC poles.
- Coordinate with PPS to reroute the existing fiber optic line that is on the KU poles that require relocation.

C-214 and Associated Infrastructure Removal

This modification reassigns operation responsibility of C-214 to the Contractor in order to facilitate facility removal. DOE has notified the Deactivation and Remediation Contractor of this change in a separate correspondence.

The Contractor shall perform all activities necessary to remove the C-214 facility and associated housing, storm shelter, and roadway barriers and rails, and restore the area for traffic flow in preparation for construction of the C-104 Building. This includes completing all requirements for disposition of property, Facility Information Management System (FIMS) updates, environmental compliance notifications and checklists, work packages, disposition of materials and wastes, and restoration of the area. Specifically, the areas requiring disposition and restoration should:

- Complete any required excess property documentation and FIMS documentation.
- Complete NEPA checklist and other required environmental notifications for demolition.
- Coordinate communications and traffic plans as necessary to ensure safe ingress/egress during removal activities.
- Remove the C-214 facility and other associated guard huts.
- Remove the canopy and guard rails as shown on current site design drawings.
- Remove/isolate power and communications to C-214, the guard huts, and canopy.
- Maintain the phone line as specified on current site design drawings.
- Remove the existing storm shelter, associated sully stones, bollards, and the culvert between C-214 and the canopy.
- Repair/replace roadway as shown on current site design drawings.
- Restore site area by placing gravel or seeding grass, as appropriate.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this Task Order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete by May, 31 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this Task Order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this Task Order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the Task Order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 03/22/2018	2. CONTRACT NO. *(If any)*: DE-EM0003733
3. ORDER NO.: 034	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE *(Address correspondence to)*: PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION *(Check appropriate box(es))*

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE *(Date)*	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE *(See reverse for Rejections)*

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS *(or P.O. Box)*: P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

17(h) TOT. *(Cont. pages)*

$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY *(Signature)*: Tyler C. Hicks

23. NAME *(Typed)*: Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.034 Task Order 034: Bridge Load Ratings & Scour Evaluations

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Bridge Load Ratings & Scour Evaluations: This is a Firm Fixed Price Task Order to conduct bridge load ratings and scour evaluations.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Bridge Load Ratings & Scour Evaluations	4	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall conduct bridge load ratings and scour evaluations.

2. SCOPE OF WORK

The Contractor will evaluate the following bridges for rated safe load carrying capacity and vulnerability to scour and stream instability from floods:

- Public access vehicle bridge – Water Works Road Bridge
- Operational, controlled access vehicle bridge – Depleted Uranium Hexaflouride (DUF_6) vehicle bridge C-1210, and
- In-service railroad bridges – C-1930 Big Bayou Creek Railroad Bridge, C-1910 DUF_6 Conspan East, C-1920 DUF_6 Conspan West, and C-RR-T Railroad Trestle.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete bridge load ratings and scour evaluations by June 30, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 4 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 03/29/2018
2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO: 035
4. REQUISITION/REFERENCE NO:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513

7. TO:
a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)
b. COMPANY NAME:
c. STREET ADDRESS: 101 Liberty Drive
d. CITY: Kevil
e. STATE: KY
f. ZIP CODE: 42053

6. SHIP TO:
a. NAME OF CONSIGNEE: U.S. Department of Energy
b. STREET ADDRESS: 1017 Majestic Drive, Suite 200
c. CITY: Lexington
d. STATE: KY
e. ZIP CODE: 40513
f. SHIP VIA:

8. TYPE OF ORDER
☐ a. PURCHASE
REFERENCE YOUR:
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.
☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF
a. INSPECTION: Destination
b. ACCEPTANCE: Destination

14. GOVERNMENT B/L NO.:
15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date):
16. DISCOUNT TERMS:

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-4					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT:
19. GROSS SHIPPING WEIGHT:
20. INVOICE NO.:

21. MAIL INVOICE TO:
a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center
b. STREET ADDRESS (or P.O. Box): P.O. Box 6017
c. CITY: Oak Ridge
d. STATE: TN
e. ZIP CODE: 37831

17(h) TOT. (Cont. pages):
17(i) GRAND TOTAL: $

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks
23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.032 Task Order 035: Level II Controller Unit Replacement at Hobbs Road Railroad Crossing

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II Controller Unit Replacement at Hobbs Road Railroad Crossing: This is a Firm Fixed Price Task Order to replace the controller unit on the Hobbs Road railroad crossing.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II Controller Unit Replacement	2	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall replace the controller unit on the Hobbs Road railroad crossing.

2. SCOPE OF WORK

The Contractor shall replace the controller unit on the Hobbs Road railroad crossing. This work shall be coordinated with the DUF_6 Contractor.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete replacement of the Controller Unit on the Hobbs Road railroad crossing by May 30, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 5

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER	2. CONTRACT NO. (If any)
03/30/2018	DE-EM0003733
3. ORDER NO.	**4. REQUISITION/REFERENCE NO.**
036	

5. ISSUING OFFICE (Address correspondence to)
PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513

7. TO:

a. NAME OF CONTRACTOR
Swift & Staley, Inc. (SSI)

b. COMPANY NAME

c. STREET ADDRESS
101 Liberty Drive

d. CITY	e. STATE	f. ZIP CODE
Kevil	KY	42053

6. SHIP TO:

a. NAME OF CONSIGNEE
U.S. Department of Energy

b. STREET ADDRESS
1017 Majestic Drive, Suite 200

c. CITY	d. STATE	e. ZIP CODE
Lexington	KY	40513

f. SHIP VIA

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA
See Schedule

10. REQUISITIONING OFFICE
Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT
Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.

21. MAIL INVOICE TO:

a. NAME
OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box)
P.O. Box 6017

c. CITY	d. STATE	e. ZIP CODE
Oak Ridge	TN	37831

17(h) TOT. (Cont. pages)

17(i) GRAND TOTAL
$

22. UNITED STATES OF AMERICA BY (Signature) ▷ Tyler C Hicks

23. NAME (Typed)
Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV 2/2012)
Prescribed by GSA/FAR 48 CFR 53 213(f)

Attachment J-15.036 Task Order 036: IDIQ CBA Wage Labor – D&R Contractor Relocation – April & May 2018

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

IDIQ CBA Wage Labor – D&R Contractor Relocation: This is a Firm Fixed Price / Fixed Unit Rate Task order for CBA Wage Labor to perform office moves requested by the Deactivation and Remediation (D&R) Contractor.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
IDIQ CBA Wage Labor – D&R Contractor Relocation	2	Months	[redacted]

* 126 Hours x ELIN A503 CBA Wage Labor [redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall relocate Deactivation and Remediation (D&R) Contractor staff currently located at Kevil, KY, C-764 trailer complex, C-412 trailer complex, and C-104, C-720, and C-337.

2. SCOPE OF WORK

The Contractor will perform office moves, including telephone transfers and computer moves as specified in the following move requests.

1. Set up C-304 office 138 to include L-shaped desk from Kevil Emergency Operations Center
2. Move personnel from C-764 T-10 to C-764 T-04
3. Move personnel from C-764 T-10 to C-412 T-04
4. Move personnel from Kevil to C-764 T-10
5. Move personnel from Kevil to C-764 T-03
6. Move personnel from C-720 Mezzanine and C-412 Complex to C-337 Area Control Room

Work also includes disassemble, reassemble office furniture as needed, relocate miscellaneous office furniture such as desks, file cabinets, refrigerator, microwave etc.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete moves by May 21, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 04/05/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 037	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR:
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO: a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center; b. STREET ADDRESS (or P.O. Box): P.O. Box 6017			
	c. CITY: Oak Ridge	d. STATE: TN	e. ZIP CODE: 37831	$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV 2/2012)
Prescribed by GSA/FAR 48 CFR 53 213(f)

Attachment J-15.037 Task Order 037:
Level II C-102 Air Handler Coil Replacement

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II C-102 Air Handler Coil Replacement: This is a Firm Fixed Price Task Order to replace the coil in the C-102 Air Handler Unit #3.

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II C-102 Air Handler Coil Replacement	3	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall replace the coil in the C-102 Air Handler Unit #3.

2. SCOPE OF WORK

The Contractor shall replace the coil in the C-102 Air Handler Unit #3. The coil replacement will involve the following tasks:

- Valve out the cooling water supply and return lines.
- Drain the cooling exchangers by breaking the unions on both sides.
- Remove the existing piping to the cooling exchangers.
- Evaluate the spaces to determine if a confined space permit is required. If a permit is required, follow all confined space permit regulations.

- Remove the inside trim on both sides of the cooling exchangers.
- Remove the cooling exchangers from the air handler body.
- Prepare and clean unit for the new coils to be installed. Ensure all mounting track is clean and free of debris and all areas are safe for re-installation.
- Install the new coils.
- Install trim on both sides of the cooling exchangers.
- Install new piping.
- Open valves slightly and check for leaks. If leaks are present, repair all leaks before proceeding.
- Open all valves.
- Start the unit and check exit air temperature to ensure proper cooling.
- Perform housekeeping to ensure all tools, parts, and supplies are properly stored.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete coil replacement in the C-102 Air Handler Unit #3 by June 29, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety.

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 9 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 04/19/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 038	4. REQUISITION/REFERENCE NO.
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY – Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone ☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			
Destination	Destination			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-9					

SEE BILLING INSTRUCTIONS ON REVERSE

18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO.

17(h) TOT. (Cont. pages)

21. MAIL INVOICE TO:

a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center

b. STREET ADDRESS (or P.O. Box): P.O. Box 6017

c. CITY: Oak Ridge | d. STATE: TN | e. ZIP CODE: 37831

$

17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.038 Task Order 038: Design of the C-531 By-Pass

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Design of the C-531 By-Pass: This is a Firm Fixed Price Task Order for the design of a distribution system of 14 KV feeder cables to connect a new switchyard into the plant's existing 14 kV distribution system, thereby by-passing the C-531 Switchyard (C-531 By-Pass).

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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. The contractor shall, at all times, conduct all operations in a manner to avoid the risk of endangerment to health, bodily harm to persons, damage to property, or damage to the natural environment.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Design of the C-531 By-Pass	8	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall design a C-531 By-Pass distribution system of 14 kV feeder cables and terminations from a new switchyard to the connection points of the existing 14 kV feeders that presently originate in the C-531 switchyard and supply all the buildings in the plant (C-531 By-Pass).

2. SCOPE OF WORK

The Contractor shall design a C-531 By-Pass distribution system of 14 kV feeder cables and terminations from a new switchyard to the connection points of the existing 14 kV feeders that presently originate in the C-531 switchyard and supply all the buildings in the plant (C-531 By-

Pass). The design shall be based upon the most beneficial 20-year life-cycle cost of either of the following locations of the terminations into the existing 14 kV feeder cable system as concurred on by DOE:

a. Connecting into the existing 14 kV feeder cable system at the most convenient existing underground cable vault and existing transition box (Cable Vault Connections)
b. Connecting into the existing 14 kV feeder cable system in the basement of the C-531 Switch House (Switch House Connections)

As part of its design and planning, the Contractor shall assume that all operation of equipment in a new on-site switchyard will be provided by another contractor/utility.

An early priority of the design of the reconfiguration of the 14 kV electrical distribution system would be the confirmation of the number of new 14 kV breakers required in the new switchyard. Each new 14 kV breaker will supply two overhead feeders. The number of 14 kV breakers shall be determined by consolidating loads based upon the anticipated building loads and the location of the connections into the existing 14 kV feeder cable system.

DOE's preliminary evaluation of the Cable Vault Connections indicates that 10 new 14 kV breakers will be required (eight primary and two spares), feeding 16 new overhead cables. It was assumed that the overhead cables will be routed to six new transition boxes at six existing cable vaults, and to six existing transition boxes on the west side of the C-531 switchyard, resulting in approximately 24 splices in the cable vaults to tie the new overhead cables and transitions boxes into the existing 14 kV distribution system.

DOE's preliminary evaluation of the Switch House Connections indicates that 10 new 14 kV breakers will be required (eight primary and two spares), feeding 15 new 14 kV overhead cables into the basement of C-531 Switch House and connecting to the existing 14 kV paper insulated lead sheath cables in the cable compartments below selected 14 kV air circuit breakers (ACBs). Seven new 14 kV cable jumpers will be required between the ACB cable compartments in the basement. The cable compartments shall be isolated from the other ACB components and the cable compartments will become cable junction boxes.

The 20-year life cycle cost analysis shall include the maintenance and operation of the cable vaults and switch house.

All the Plant Process Auxiliary Power System and Plant Auxiliary Power System transformers are presently supplied from the C-531 switchyard. These transformers have transformer primary protective relays with trip circuits terminating within the C-531 switchyard. The protective relay trip circuits are routed through the plant's underground instrument tunnels to the C-531 Switchyard. One goal of this project is to remove these circuits from the instrument tunnel system. Removing these circuits from the tunnel system and the extension of these trip circuits

to the new switchyard shall be included in the design. See Work Instruction Documents WID-0100-0004, WID-0100-0005, and WID-0100-0006 for details of the existing installations.

The contractor shall coordinate with Four Rivers Nuclear Partnership, LLC's Power Coordinator to evaluate and design the addition of static capacitors to each of the 14 kV buses in the new switchyard, to minimize the monthly reactive power cost. The evaluation shall include a 20-year life-cycle cost analysis comparing doing nothing versus installation of the static capacitors. The capacitor installations shall be similar to the existing installations in the C-533 and C-537 switchyards with a separate circuit breaker connecting each capacitor bank to the 14 kV bus. The spare breaker on each bus shall be utilized for connecting the capacitor banks to the buses.

The Contractor shall complete the National Environmental Policy Act (NEPA) analysis through completion of the NEPA Checklist for the project as depicted by the 90% design.
The Contractor shall coordinate with DOE early in the design process to ensure early technical alignment between DOE and the Contractor, minimizing the need for rework. The Contractor shall submit the 30% Design Package, 60% Design Package, and 90% Design Package to DOE for review and comment and the Certified for Construction (CFC) Package to DOE for approval. The Design Packages shall provide the following as a minimum:

30% Design Package:

- Evaluation and recommendation of the method and locations to connect into the existing underground feeder cables
- Systems Requirement Document
- Number of new feeders required and the feeder cable size
- A load study summarizing the connected load of each feeder
- Evaluation of the addition of static capacitors to each of the 14 kV buses
- Preliminary integrated project schedule
- Conceptual Design consisting of, as a minimum:
    - Routing and locating plans and drawings
    - Procurement specifications for critical equipment and long lead materials
    - Cost estimate for procurement of critical equipment and long lead materials

60% Design Package:

- Drawings with tie-in connection locations and preliminary details
- Final design calculations and analysis
- Construction specifications for installation
- Draft Inspection and Test Plan
- Comprehensive, resource-loaded integrated project schedule
- Preliminary cost estimate for procurement, construction, installation, testing, and startup

90% Design Package:

- Completed design drawings with all appropriate construction and installation details
- Construction specifications for installation
- Final inspection and test plan for DOE approval
- Comprehensive, resource-loaded integrated project schedule
- Project and construction cost estimate
- Plan and sequence for transfer of the power supply from C-531 to the new switchyard
- Completed NEPA Checklist

CFC Package:

- Approved drawings, specifications, and instructions for the installation of the 14 kV feeder cable distribution system modifications

C-531 By-Pass Milestones/Schedule		
PWS	**Milestone**	**Date**
C.3.5.3.3	Submit 30% Design Package for transfer of electrical power distribution from C-531 to New Switchyard (including the transformer trip circuits and 14kV capacitors) for review	July 30, 2018
C.3.5.3.3	Submit 60% Design Package for transfer of electrical power distribution from C-531 to New Switchyard (including the transformer trip circuits and 14kV capacitors) for review	September 4, 2018

C.3.5.3.3	Submit 90% Design Package for transfer of electrical power distribution from C-531 to New Switchyard (including the transformer trip circuits and 14kV capacitors) for review	October 1, 2018
C.3.5.3.3	Submit CFC Package for transfer of electrical power distribution from C-531 to New Switchyard (including the transformer trip circuits and 14kV capacitors) for review and completed NEPA Checklist for DOE approval	October 29, 2018
C.3.5.3.3	Submit CFC Package for transfer of electrical power distribution from C-531 to New Switchyard (including the transformer trip circuits and 14kV capacitors) for signoff	November 29, 2018

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.

SECTION E – INSPECTION AND ACCEPTANCE

Section E of the Basic Contract is applicable in its entirety.

SECTION F – DELIVERIES OR PERFORMANCE

Section F of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section F clauses related to this task order are listed below:

Period of Performance:

The Contractor shall begin work upon receipt of the subject Task Order and complete Design of the C-531 By-Pass by November 29, 2018.

SECTION G – CONTRACT ADMINISTRATION DATA

Section G of the Basic Contract is applicable in its entirety.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

Section H of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section H terms and conditions related to this task order are listed below:

SPECIFIC TASK ORDER TERMS AND CONDITIONS

The terms and conditions under this Task Order are strictly specific to the work being performed under this task order. The Contractor mutually agrees to the placement of these terms and conditions. In the event of any conflict between the task order and the basic contract, DE-EM0003733, the basic contract shall control.

SECTION I – CONTRACT CLAUSES

Section I of the Basic Contract is applicable in its entirety and is hereby incorporated by reference. Additional Section I Contract Clauses related to this task order are listed below by reference:

FAR 52.236-2, DIFFERING SITE CONDITIONS (APR 1984)
FAR 52.236-3, SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK (APR 1984)
FAR 52.236-5, MATERIAL AND WORKMANSHIP (APR 1984)
FAR 52.236-6, SUPERINTENDANCE BY THE CONTRACTOR (APR 1984)
FAR 52.236-8, OTHER CONTRACTS (APR 1984)
FAR 52.236-9 PROTECTION OF EXISITNG VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES AND IMPROVEMENTS (APR 1984)
FAR 52.236-10, OPERATIONS AND STORAGE AREAS (APR 1984)
FAR 52.236-11, USE AND POSESSION PRIOR TO COMPLETION (APR 1984)
FAR 52.236-12, CLEANING UP (APR 1984)
FAR 52.236-13, ACCIDENT PREVENTION (NOV 1991)
FAR 52.236-15, SCHEDULES FOR CONSTRUCTION CONTRACTS (APR 1984)

SECTION J – LIST OF ATTACHMENTS

Section J of the Basic Contract is applicable in its entirety.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 5 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 04/25/2018	2. CONTRACT NO. (If any): DE-EM0003733
3. ORDER NO.: 039	4. REQUISITION/REFERENCE NO.:
5. ISSUING OFFICE (Address correspondence to): PPPO, 1017 Majestic Drive, Suite 200, Lexington KY 40513	

7. TO:

a. NAME OF CONTRACTOR: Swift & Staley, Inc. (SSI)

b. COMPANY NAME:

c. STREET ADDRESS: 101 Liberty Drive

d. CITY: Kevil | e. STATE: KY | f. ZIP CODE: 42053

6. SHIP TO:

a. NAME OF CONSIGNEE: U.S. Department of Energy

b. STREET ADDRESS: 1017 Majestic Drive, Suite 200

c. CITY: Lexington | d. STATE: KY | e. ZIP CODE: 40513

f. SHIP VIA:

8. TYPE OF ORDER

☐ a. PURCHASE
REFERENCE YOUR: _____
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.

☒ b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: Portsmouth Paducah Project Office

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone

☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT: Destination

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION: Destination	b. ACCEPTANCE: Destination			

17. SCHEDULE ***(See reverse for Rejections)***

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	See pages 2-5					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO:			
	a. NAME: OR for EMCBC, U.S. Department of Energy, Oak Ridge Financial Service Center			
	b. STREET ADDRESS (or P.O. Box): P.O. Box 6017			
	c. CITY: Oak Ridge	d. STATE: TN	e. ZIP CODE: 37831	$ 17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature): Tyler C Hicks

23. NAME (Typed): Tyler C. Hicks

TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

Attachment J-15.039 Task Order 039:
Level II Railroad Repairs Inside & Outside the LA

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 TYPE OF TASK ORDER (T.O.) - ITEMS BEING ACQUIRED

Level II Railroad Repairs Inside & Outside the LA: This is a Firm Fixed Price Task Order for Level II Service Order for railroad repairs inside and outside the Limited Area (LA).

The Contractor shall be responsible for planning, managing, integrating, and executing the work as described in Section C, Performance Work Statement (PWS). 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.

B.2 CONTRACT LINE ITEMS

This work shall be performed under CLIN 0501, see Section B of the Basic Contract for more information.

Description	Quantity	Unit of Measure	Total Negotiated Value
Level II Railroad Repairs Inside & Outside the LA	6	Months	[redacted]

SECTION C – PERFORMANCE WORK STATEMENT

1. PROJECT/PROGRAM GOALS AND OBJECTIVES

The Contractor shall perform railroad repairs for tracks located both inside and outside the Limited Area (LA).

2. SCOPE OF WORK

The Contractor shall perform railroad repairs to the following tracks inside and outside the Limited Area:

- Inside the Limited Area; Tracks #2, AT, #4, #6, #7, #8 and #10
    - Install 850 new ties along tracks #2, AT, #4, #6, #7, #8, and #10. New ties will be installed with new spikes, tamped and gaged as required.

- Install 85 new switch ties in turnouts. New switch ties will be installed with new spikes, tamped, and gaged as required. Installation of new switch ties ensures smooth operation of switches.
- Tamp, surface, and align switch 2-8 to ensure proper throw as required.
- Add additional ballast along track sections to ensure proper tie support, as required.
- Coordinate with Deactivation & Remediation (D&R) Contractor for disposal of all generated waste material.
- Coordinate with D&R Contractor to ensure interruptions in rail shipments are minimized.
- Provide Criticality Accident Alarm System (CAAS) attendant for work inside the 12 Radiological evacuation areas.

- Outside the Limited Area; Tracks #1, #1W, Depleted Uranium Hexafluoride (DUF6) Spur and #2:
  - Install 1,450 new ties along tracks #1, #1W and #2, outside of LA. New ties will be installed with new spikes, tamped and gaged as required.
  - Install 24 new switch ties in turnout's 1-1Ws and 1-1Wn. New switch ties will be installed with new spikes, tamped and gaged as required. Installation of new switch ties ensures smooth operation of switches.
  - Replace 10 sections of worn and/or damaged 90RA rail along track section #1. Additionally 10 sections of rail will be rotated. All replaced/rotated rail sections will be installed with new spikes and gaged as required. Existing ties will have spike holes plugged or epoxy applied prior to re-spiking.
  - Install rail anchors along track sections #1W and DUF6 Spur. Rail anchors will assist with longitudinal track movement and assist in preventing future shifting of ties. The rail anchors will be installed along track #1W on every third tie. Rail anchors will be installed along the DUF6 Spur track on every other tie from the 2-DUF6 Turnout to the C-1930 Bridge.
  - Add additional ballast along track sections #1, #1W and #2, outside of LA, to ensure proper tie support, as required.
  - Dispose of all waste material. Scrap metal will be placed in proper bins for recycling.
  - Coordinate with Deactivation & Remediation Contractor, DUF6 and Paducah & Louisville (P&L) Railway to ensure interruptions in rail shipments are minimized.

SECTION D – PACKAGING AND MARKING

Section D of the Basic Contract is applicable in its entirety.