

## Fiscal Year (FY) 2018 Annual Data Report Summary

### Radiological Site Services for Others

The total radiological instrument inventory for FY 2018 is 787.

MAXIMO® WORK ORDERS			
INSTRUMENT CATEGORY	TYPE INSTRUMENT	FY 2018 TOTALS	
		CALIBRATED	REPAIR
Portable Instruments	Alpha scalers	131	159
	Beta scalers	169	102
	Neutron scalers	2	0
	Dose rate	53	8
	Teletectors	4	0
	Fidler	2	0
	NaI	7	3
Tabletop Instruments	Alpha/Beta scalers (2224)	29	8
	Smear counters (2929)	28	1
Air Monitors	Icams	1	0
	High volume	16	0
	Solar	6	0
	Low volume	121	3
	Personal	116	121
	Calibrators	7	0
Fixed Monitor	Landfill portable monitor	2	0
Personnel Monitors	Hand and foot	33	24
	Whole body	27	23
	Alpha	36	10
	Beta	35	3
	EPD	115	6
TOTALS		940	471

### Safeguards and Security

- Notices made to U.S. Department of Energy (DOE):
  - Physical Security – 10
  - Personnel Security – 5
  - Information Security – 10
  - Program Management Operation – 3
- Notices made to site contractors – 25

### Computing, Telecommunication, and Cyber Security

- There were 12 Cyber Security reportable incidents.
- There were 28 Controlled Articles Passes issued.

Effective March 20, 2018, Security implemented a change to the controlled article policy on site for the Limited Area. Equipment issued to personnel for official business use by any of the prime contractors is vetted through the appropriate channels prior to being issued, and have the proper tamper indication sticker affixed by the Property Department. The tamper indicator stickers now suffice for transporting such equipment in and out of the security area, and no longer require controlled article permits.

### Computing, Telecommunication, and Cyber Security (Continued)

- Summary of Help Desk Tickets:
  - Help Desk Tickets opened: 5,119
  - Help Desk Tickets closed: 5,185
  - Average response time was four days, 12 hours, and 41 minutes

#### LIST OF SITE SOFTWARE

Operating System	CSD Version	Count
Microsoft Windows 7 Enterprise	Service Pack 1	919
Microsoft Windows Server 2012 R2 Standard		149
Microsoft Windows Server 2016 Datacenter		49
Microsoft Windows 10 Enterprise 2016 LTSB		14
Microsoft Windows 10 Enterprise		12
Microsoft Windows Server 2008 R2 Standard	Service Pack 1	9
Microsoft Windows Server 2012 R2 Datacenter		6
Microsoft Windows 7 Professional	Service Pack 1	5
Microsoft Windows Server 2016 Standard		4
Microsoft Windows 8.1 Pro		1

### Operations and Management of Assets

Completed 1,811 Level I service orders and 112 Level II service orders.

Running Average Time From Request For Service To Time of Completion (in days)													FY 2018
	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Average
Level I	26	22	31	73	49	116	17	20	29	24	25	17	37
Level II	15	42	120	78	22	185	53	38	70	105	0	55	65

Mowed 1,570 acres and provided janitorial coverage on 337,219 square feet.

## Records Management and Document Control

Records Received/Imported into Electronic Records Management System (ERMS)													
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Cumulative
Records Received	8,405	486	420	512	571	7,105	749	1,204	1,510	2,936	7,554	4,862	36,314
Records Imported in ERMS	705	562	535	490	573	543	536	611	1,503	2,922	7,522	4,817	21,319
Records Sampled	113	68	85	69	90	87	71	100	217	274	467	442	2,083
Errors Detected*	4	6	2	3	2	1	2	6	1	2	10	17	56
Error Rate*	3.54%	8.82%	2.35%	4.35%	2.22%	1.15%	2.82%	6.00%	0.46%	0.73%	2.14%	3.85%	3.20%

Records Transferred/Destroyed													
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Cumulative
Boxes Transferred to FRC/NARA	0	0	0	0	0	0	0	0	0	0	0	26	26
Boxes Eligible for Destruction	0	0	0	40	0	100	10	57	14	1	0	2	224
Boxes Destroyed	103.9	67	50	40	0	100	10	57	14	1	0	2	444.9
Destruction Certificates Sent for Approval	0	0	1	0	0	0	0	0	0	0	8	19	28
Electronic Records Dispositioned (cu.ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Historical Records													
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Cumulative
Cubic Feet Processed	104	67	111	73	0	220	119	263	35	199	103	21	1,315

Records Requests													
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Cumulative
DOE Records Requests <=2 business days	2	0	0	0	0	0	0	2	1	1	0	0	6
DOE Records Requests Average Processing Time	1 day	0 days	1 day	2 days	2 days	0 days	0 days	0.50 days					
Other Records Requests (SST, FPDP, FRNP, etc.)	10	10	17	20	11	16	22	26	15	17	12	7	183
Other Records Requests Average Processing Time	n/a	n/a	n/a	n/a	n/a	n/a	n/a						
Litigation Requests <=5 business days	0	0	0	0	0	0	0	0	0	0	0	0	0
Litigation Requests Average Processing Time	0 days	0 days	0 days	0 days	0 days	0 days	0 days						
FOIA/Privacy Act <=10 business days	1	1	2	1	7	9	8	5	3	1	3	1	42
FOIA/Privacy Act Average Processing Time	3 days	9 days	6 days	4 days	3 days	5 days	5.5 days	4.4 days	4 days	3 days	4 days	ONHOLD	5 days
EEO/ICPA <=60 days	36	34	26	30	40	28	43	38	26	34	37	29	401
EEO/ICPA Average Processing Time	43 days	46 days	48 days	52 days	37 days	31 days	47 days	44 days	43 days	26 days	24 days	43 days	40 days

## Training Services

For the review period (October 1, 2017 – September 30, 2018), the following number of personnel received the GET and CAT training.

- o GET – 1,068
- o CAT – 2,035

COURSE AREA	CLASSES	Total
000956, RW Core Academics	Classroom (CR)	56
004348: RW Core Academics	Computer Based Training (CBT)	723
006033: Classified Matter Protection and Control (CMPC)	CBT	140
008271: Respirator	CBT	26
012622: HAZWOPER 8 HR REFRESHER	CR - Monthly	65
021221, Portsmouth/Paducah Project Office (PPPO) General Employee Training (GET)	CBT	1,068
023528, RW Site Specific	CBT/CR	565
023548, RW II Practical	CR -Offered Every Tuesday & Thursday	379
024331: RW I Practical	CR -Offered Every Tuesday & Thursday	44
024448: Fire Extinguisher Training	Offered Every 3rd Tuesday	454
026453: Lead Worker	CBT	85
026455: Hearing Conservation	CBT	212
028307: CAT-Consolidated Annual Training	CBT	2,035
050009: General Use Cyber Security Awareness Training	CBT	1,490
050051: Initial Security Briefing-Paducah Plant	CBT/CR	231
050167: Comprehensive Security Briefing	CBT	74
150038: Derivative Classifier Training	CR	19
150046: Site Workplace Violence - Active Shooter Training	CBT	825
150050: Unclassified Controlled Nuclear Information Reviewing Official Training (RO)	CBT	11
63000: Privacy Awareness	CBT	230
050024: Annual Security Refresher Briefing	CBT/CR	1,872

## COST REIMBURSEMENT WORK

### Utilities

	FY 2018	
	Usage	Dollars
Electric (kWh)	1,216,657	\$ 154,926.06
Water (gallons)	14,829,430	\$ 93,247.59
Gas-Natural (gallons)	6,442	\$ 3,629.51
Propane (gallons)	0	\$ -
DS-3 Equipment	0	\$ 121,772.62
Phone	0	\$ 162,158.36
<b>Total</b>	<b>16,052,529</b>	<b>\$ 535,734.14</b>

KWh – kilowatt hours

## DOE and Support Contractor Physicals

Six DOE physicals for \$1,795 and five Environmental Technical Services physicals for \$1,425 were performed in FY 2018.

## Replacement of Government Furnished Property

- Purchased laptops, cases, and docking stations for the Plant Shift Superintendent Commanders for \$5,705.78 in January, 2018.
- Purchased multimedia processing equipment for \$12,922.85 in March, 2018.
- Purchased IT Equipment for D&R Contractor for \$16,158.64 in May, 2018.
- Purchased Tractors and Bush Hogs for \$232,471.78 in September, 2018.

## Interagency Fleet Management System (IFMS) Vehicles

General Services Administration (GSA) Summary													
Expense	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	FY2018
Lease	\$ 9,846.00	\$ 9,973.00	\$10,051.00	\$10,459.48	\$ 9,986.00	\$ 9,776.00	\$ 9,776.00	\$10,036.00	\$10,296.00	\$10,642.90	\$10,954.06	\$10,303.93	\$122,100.37
Fuel	\$ 3,239.54	\$ 3,296.33	\$ 2,909.53	\$ 3,119.82	\$ 2,744.89	\$ 2,929.59	\$ 3,233.05	\$ 3,443.96	\$ 3,668.73	\$ 3,510.64	\$ 3,749.26	\$ 3,986.41	\$ 39,831.75
Fuel Surcharge	\$ 109.00	\$ 93.53	\$ 93.00	\$ 95.66	\$ 109.00	\$ 109.00	\$ 109.00	\$ 109.00	\$ 109.00	\$ 109.00	\$ 117.00	\$ 117.00	\$ 1,279.19
Transaction Fees	\$ 89.80	\$ 85.00	\$ 79.30	\$ 87.55	\$ 94.90	\$ 86.05	\$ 86.65	\$ 77.95	\$ 87.10	\$ 92.65	\$ 89.05	\$ 104.50	\$ 1,060.50
Vehicle Maint	\$ 1,041.81	\$ 717.79	\$ 690.94	\$ 1,928.27	\$ 306.00	\$ 375.15	\$ 844.30	\$ 1,130.34	\$ 312.00	\$ 679.00	\$ 3,578.18	\$ 3,524.98	\$ 15,128.76
Parts & Service	\$ 731.69	\$ 1,241.95	\$ -	\$ 33.88	\$ 978.14	\$ 821.00	\$ 364.13	\$ 329.93	\$ 1,122.41	\$ 406.85	\$ 678.83	\$ 240.30	\$ 6,949.11
Insurance	\$ 3,709.42	\$ 3,709.42	\$ 4,564.41	\$ 4,687.41	\$ 4,727.38	\$ 4,748.41	\$ 4,727.38	\$ 4,727.38	\$ 4,727.38	\$ 5,270.20	\$ 5,283.04	\$ 5,066.51	\$ 55,948.34
WEX	\$ 587.75	\$ 480.54	\$ 391.84	\$ 538.31	\$ 505.56	\$ 617.49	\$ 555.47	\$ 507.66	\$ 553.85	\$ 690.99	\$ 663.42	\$ 629.47	\$ 6,722.35
Total	\$ 19,355.01	\$ 19,597.56	\$ 18,780.02	\$ 20,950.38	\$ 19,451.87	\$ 19,462.69	\$ 19,695.98	\$ 20,362.22	\$ 20,876.47	\$ 21,402.23	\$ 25,112.84	\$ 23,973.10	\$ 249,020.37

# Software Licenses

SUMMARY OF SOFTWARE LICENSES				
Software Description	Date Requested	Date Approved/Rejected	Total Cost	Month Invoiced
Request Approval to Purchase Annual Maintenance Renewal for OpenText Software Maintenance Program Subscription for Documentum and My Documentum for Microsoft Outlook SST-17-7345	8/25/2017	10-12-17 - Approved per PPPO-02-4404913-18 with NTE of \$2,100	\$2,017.84	October
Request Approval to Purchase Maintenance Renewal for Select Hewlett Packard Components for the Infrastructure Support Contractor SST-17-7351	9/22/2017	10-19-17 - Approved per PPPO-02-4458745-18 with NTE OF \$81,000	\$80,497.05	October
Request Approval to Purchase Maintenance Renewal for Additional Select Hewlett Packard Components for the Infrastructure Support Contractor SST-17-7358	10/26/2017	11-21-17 - Approved per PPPO-02-4525966-18 with NTE of \$29,000	\$28,843.14	December
Request for Annual Renewal of Microsoft Premier Licensing and Support for Infrastructure Contractor Use SST-17-7359	11/2/2017	11-27-17 - Approved per PPPO-02-4535991-18 with NTE of \$114,000	\$113,766.62	December
Request Approval to Purchase Annual Renewal of BlackBerry Enterprise Server Advantage Licensing and Support for Deactivation Contractor Use SST-17-7361	11/20/2017	12/18/2017 - Approved per PPPO-02-4565688-18 with NTE of \$57,000	\$56,691.52	February
Request Approval for Microsoft Year Five Annual Payment SST-18-8260	1/31/2018	2/27/18 - Approved per PPPO-02-4668023-18 with an NTE of \$153,000.00	\$152,565.69	Invoice 20180201 submitted on 3/21/18
Request Approval to Purchase Annual Maintenance and Licensing for Cisco FirePOWER Service for Site Use SST-18-8261	2/8/2018	3/5/18 - Approved per PPPO-02-4682036-18 with an NTE of \$16,000	\$15,760.20	March
Request Approval to Purchase Acumetix Web Vulnerability Scanner Maintenance Agreement for Site Use SST-18-8264	2/15/2018	2/26/18 - Approved per PPPO-02-4698245-18 with NTE of \$1,700.00	\$1,627.10	April
Request for Microsoft Year Four True Up Payment SST-18-8267	3/1/2018	3/26/18 - Approved per PPPO-02-4725012-18 with NTE value of \$37,000	\$36,423.04	April
Request Approval to Purchase Annual Maintenance Renewal for HP Components SST-8269	3/12/2018	3/26/18 - Approved per PPPO-02-4741490-18 with total NTE of \$11,000	\$10,851.09	April - \$4016.08 May - \$6835.01
Request Approval to Purchase Renewal of Maximo Licenses and Support SST-18-8270	3/14/2018	3/26/18 - Approved per PPPO-02-4756020-18 with NTE of \$36,000 3-27-18 - Approved per Email from T. Hicks NTE of \$38,000 due to sales tax not included in original quote	\$37,364.30	May
Request to Purchase Renewal of Adobe Acrobat DC Professional Licenses, Maintenance, and Support for Site Use SST-18-8275	4/16/2018	5/2/18 - Approved per PPPO-02-4816336-18 with NTE \$126,000	\$125,177.52	May
Request Approval to Purchase Annual Maintenance Renewal for Thycotic Secret Server SST-18-8279	4/26/2018	6/04/18 - Approved per PPPO-02-4837233-18 with NTE of \$11,000	\$9,448.00	July
Request for VMware Software Maintenance Renewal for Infrastructure Contractor Use SST-18-8277	5/8/2018	6/4/18 - Approved per PPPO-02-4863698-18 with NTE of \$177,000	\$176,481.62	June
Request Approval to Purchase Annual Maintenance Renewal for OpenText Software Maintenance Program Subscription for Documentum SST-18-8151	5/16/2018	6/5/18 - Approved per PPPO-02-4878494-18 with total NTE of \$16,000	\$15,836.80	June
Request Approval to Purchase Annual Email Maintenance Renewal for OpenText Software Maintenance Program Subscription for Documentum SST-18-8152	5/23/2018	6/5/18 - Approved per PPPO-02-4891410-18 with total NTE of \$2,200	\$2,118.73	June
Request Approval to Purchase Annual Renewal of Nutanix Software and Support for Infrastructure Contractor Use SST-18-8153	6/1/2018	6/7/2018 - Approved per PPPO-02-4907183-18 with NTE of \$57,000	\$56,773.39	August
Request Approval to Purchase Cisco Web Filtering, Email Filtering, and Firewall Equipment for Use at the Paducah Site SST-18-8156	6/7/2018	7/10/18 - Approved per PPPO-02-4918302-18 with NTE of \$76,000.00	\$75,955.25	August
Request Approval for Annual Renewal of Hewlett Packard Equipment Support for Infrastructure Contractor Use SST-18-8157	6/7/2018	6/22/18 - Approved per PPPO-02-4915753-18 with NTE of \$3,700.00	\$3,481.97	July
Request to Purchase Samsung Knox Configure Dynamic Licensing for Paducah Site Use SST-18-8163	7/17/2018	8/1/18 - Approved per PPPO-02-5005695-18 with NTE of \$4,500	\$4,190.00	September
Request for Approval to Purchase Identity Services Engine and Mobility Services Engine Maintenance Renewal SST-18-8164	7/19/2018	8/3/18 - Approved per PPPO-02-5009845-18 with NTE of \$28,500	\$25,045.98	August
Request for Approval to Purchase Cisco ASA 5555-X Annual Maintenance Agreement SST-18-8165	7/26/2018	7/31/18 - Approved per PPPO-02-5019294-18 with NTE of \$7,500	\$7,355.92	August
Request for Approval to Purchase Blackberry Advantage Support for Enterprise Mobility Suite Licensing for Paducah Site Use SST-18-8172	8/22/2018	9/4/18 - Approved per PPPO-02-5079304-18 with NTE of \$13,000	\$12,906.34	September
		Total	\$1,051,179.11	

## **INDEFINITE DELIVERY/INDEFINITE QUANTITY WORK**

### **DESIGN BASIS THREAT (DBT) PHASE III**

The draft Security Risk Assessment (SRA) report in April, 2018. A comprehensive review of the SRA was performed and returned with comments. All stakeholders met in Lexington to conduct a comprehensive review of the SRA comments to determine a clear path forward.

### **C-100 AIR HANDLING UNIT**

Installation and damper actuator work was completed December 28, 2017.

### **C-100/101 DOORS REPLACEMENT**

SST began this project in FY 2017. SST completed the replacement of exterior doors at C-100 main entrance on November 29, 2017.

### **PUBLIC ADDRESS (PA) POLE #8 REPAIRS**

Completed the repairs to the Public Address Pole #8 August 31, 2017.

### **RAILROAD TRACK #1 CULVERT REPAIRS**

During FY 2018, railroad tracks, tiles and the existing culvert were removed and replaced. After inspections, the railroad track was returned to service and the project was completed January 31, 2018.

### **RAILROAD REPAIRS (TRACK #6, TRACK #1, AND DEPLETED URANIUM HEXAFLUORIDE [DUF<sub>6</sub>] TRACK)**

The subcontractor mobilized on September 27, 2017. Railroad repairs were completed December 15, 2017.

### **POST 48 AUTOMATED ACCESS CONTROLLED SYSTEM (AACS) REPAIRS**

Completed the repair to the Post 48 AACS July 18, 2017.

### **CULVERT INSTALLATION NEAR POST 57**

Completed the installation of the culvert near Post 57 for Kentucky Fish and Wildlife on October 27, 2017.

### **C-100 AIR HANDLER UNITS #11 & #12**

Completed the repairs to the air handling units located in C-100 on October 23, 2017.

### **DUF<sub>6</sub> DOSIMETRY**

In October 2017, Exchanged 290 employee dosimeters, 40 visitor dosimeters, 25 background dosimeters, four Facility Nuclear Accident Dosimeters (FNAP) and scheduled and shipped 101 bioassays samples for analysis. In November 2017,

### **ENGINEERING SUPPORT – SECURITY FENCE DESIGN**

Completed the 90% design review comments from DOE and submitted the Certified for Construction (CFC) design on February 28, 2018.

### **C-102 TRAILER REPAIRS**

Completed the trailer repairs on April 12, 2018.

### **PRO2SERVE (P2S) OFFICE MOVES**

Completed the relocation of the DOE Support Contractor from Kevil to C-102 on January 25, 2018.

### **REPAIRS TO PA POLE #4**

Received software, installed, and completed upgrade on April 9, 2018.

### **229 BOUNDARY**

Completed the installation of barbed wire fence and gates around the 229 boundary on September 19, 2018,



### **C-103 CONFERENCE ROOM CARPET REPLACEMENT**

Completed C-103 Carpet replacement May 9, 2018.



## **C-104 PRE-CONSTRUCTION**

Completed C-104 Pre-Construction activities on May 3, 2018.



## **LOAD RATING & SCOUR EVALUATION**

Completed load and scour bridge evaluation reports and sent to DOE Headquarters on June 28, 2018.

## **CONTROLLER UNIT REPLACEMENT**

Completed the controller unit replacement on May 17, 2018.

## **D&R CONTRACTOR RELOCATION**

Completed office moves of the D&R Contractor personnel from Kevil to various locations at the Paducah Site on April 17, 2018.

## **C-102 AHU COIL REPLACEMENT**

Completed the coil replacement on June 11, 2018.

## **C-531 BYPASS DESIGN**

Submitted the 60% Design Package on September 4, 2018. Design details on the 15 kilovolt (KV) cables and cable trays were submitted on September 12, 2018.

## **RAILROAD REPAIRS INSIDE/OUTSIDE LIMITED AREA (LA) \_**

Completed all repair work in September, 2018, with the exception of waste disposal was completed FY 2019.

## **OUTFALLS OBSTRUCTION REMOVAL**

Completed obstruction removal to outfalls 001 and 009 on June 19, 2018.

## **TRAFFIC STUDY – MARKING & SIGNAGE IMPLEMENTATION**

Completed traffic study implementation on June 11, 2018.

## **ENGINEERING SUPPORT – 50% DESIGN SECURITY COMPLEX**

Submitted the final 50% Design Package on September 28, 2018.

**C-100 AHU #10 REPAIR**

Completed C-100 AHU #10 Repair on May 7, 2018.

**C-103 ROOF AND HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)  
REPLACEMENT**

Completed the HVAC replacement. The HydroStop coating system was applied to the roof.



## **NEW PROPERTY PROTECTION AREA (PPA) AND LIMITED AREA (LA) CHANGES**

Completed the Project Readiness Review on September 18, 2018. The Subcontractor mobilized and started construction on September 24, 2018. The project was completed in FY 2019.

## **C-104 CONSTRUCTION**

Completed the foundation and floor slab and installed reinforcing steel and forms for the concrete walls of the storm shelter area. This project is scheduled to be completed in FY 2019.



## **LEVEL II PARKING LOT PAVING**

Completed paving on C-103, C-810, and C-811 parking lots on September 27, 2018.



## **RADIO SYSTEM UPGRADE**

The radio system was completed on September 20, 2018.

## **SIDEWALK REPLACEMENT**

SST completed the sidewalk replacement on September 26, 2018.

**SECURITY EXEMPTION**

The project was completed in FY 2019.

**ENGINEERING SUPPORT – CERTIFIED FOR CONSTRUCTION (CFC) DESIGN**

Submitted the CFC Design Package on September 6, 2018.

**FIRING RANGE EXTERIOR BUILDING, UTILITIES, AND SITE WORK**

Submitted the CFC Design Package on September 27, 2018.