

Oak Ridge EM Project(s)
Baseline Summary
June 2008

BACKGROUND

The Oak Ridge Reservation is located in east Tennessee and is comprised of three major facilities: the East Tennessee Technology Park; the Oak Ridge National Laboratory; and the Y-12 National Security Complex. There are also some private properties that are not located on the Oak Ridge Reservation (the Atomic City Auto Parts Site and the David Witherspoon Sites) that are being cleaned up under the auspices of the Oak Ridge program.

The cleanup program mission in Oak Ridge will be complete when risks to the public, workers, and the environment at these sites have been safely reduced. These risks include potential exposure to chemical and radiological contamination and industrial hazards resulting from decades of uranium enrichment, research, and nuclear weapons-related operations.

The Oak Ridge cleanup strategy is risk-based and is organized around watersheds that feed the Clinch River. Key Records of Decision under the Comprehensive Environmental Response, Compensation and Liability Act have been signed for these watersheds. Final Records of Decision will be necessary for all watersheds to deal with the remaining ecological and groundwater concerns.

Cleanup of the Oak Ridge Reservation is primarily governed by three regulatory agreements/compliance orders; the *Federal Facility Agreement for the Oak Ridge Reservation*, the *Oak Ridge Reservation Site Treatment Plan*, and the *Oak Ridge Reservation Polychlorinated Biphenyl Federal Facilities Compliance Agreement*.

SCOPE DESCRIPTION

The East Tennessee Technology Park is approximately 13 miles west of Oak Ridge and occupies approximately 5,000 acres adjacent to the Clinch River. Approximately half of these acres are to be addressed under the Comprehensive Environmental Response, Compensation and Liability Act. It was originally built as a uranium enrichment facility for defense programs. The majority of the buildings on the site have been inactive since uranium enrichment production ceased in 1985. Cleanup includes environmental remediation, decontamination, decommissioning and demolition of hazardous and radioactively contaminated facilities, as well as, disposition of legacy low, mixed low-level waste. At the end of cleanup the East Tennessee Technology Park will be available for use as a private-sector industrial park.

The Oak Ridge National Laboratory is approximately 5 miles southwest of Oak Ridge and covers 3,300 acres. The Oak Ridge National Laboratory currently conducts applied and basic research in energy technologies and the physical and life sciences. Cleanup includes environmental remediation, decontamination, decommissioning and demolition of hazardous and radioactively contaminated facilities, as well as, disposition of legacy low, mixed low-level, and

transuranic waste. After cleanup is complete, the Oak Ridge National Laboratory will continue to operate as a world-class research facility.

The Y- 12 site is approximately two miles southwest of Oak Ridge on 811 acres. The Y- 12 site was originally an uranium processing facility. It currently dismantles nuclear weapons components and serves as one of the nation’s storehouses for special nuclear materials. Cleanup includes environmental remediation, decontamination, decommissioning and demolition of hazardous and radioactively contaminated facilities, as well as, disposition of legacy low and mixed low-level waste. The sanitary landfills for all of the Oak Ridge Reservation are located at Y- 12, along with the Environmental Management Waste Management Facility (a Comprehensive Environmental Response, Compensation and Liability Act disposal facility supporting cleanup). After cleanup is complete, the Y- 12 plant will continue to operate, fulfilling its national security mission.

A significant number of additional contaminated facilities at the Oak Ridge National Laboratory and Y- 12 are expected to be transferred to EM from the Office of Science and the National Nuclear Security Administration over the next few years.

PROJECT MANAGEMENT

Based on the direction from EM Headquarters, the Oak Ridge Office developed the near-term baseline for each of its projects. These project baselines have undergone an independent review to verify the reasonableness of the scope, cost, and schedule for each project. An approved near-term baseline reflects the identified scope that can reasonably be accomplished for the identified cost in the identified time period if near-term baselines are funded as profiled and contingency funds are provided as required during project execution. It also establishes the baseline as an acceptable point from which to track and control future change. The review and approval process accommodates the likely changes in the EM complex, site priorities and funding plans. These changes could affect both near-term (within the next five years) and life-cycle cost, schedule and scope. Such future changes may be required to comply with applicable environmental legal obligations while maintaining essential functions necessary to protect human health, the environment and national security; reflect funding different from the baseline assumptions; incorporate technological advances; realize specific programmatic risks; or implement programmatic business cases. Because the cleanup extends beyond the near-term, out-year planning estimates (ranges) have also been developed and independently reviewed.

LIST OF PROJECTS

The Oak Ridge EM program consists of 7 projects as shown below: The Near-Term Baseline (NTB) period for these projects begin in FY 2008 and extend through FY 2012 to FY 2021 and the Out Year Planning Estimate Range (OPER) is from FY 2013 through FY 2022.

Project	Date Approved	
	Near Term Baseline (NTB)	Out Year Planning Estimate Range (OPER)
OR-0011Z Downblend of U-233 in Building 3019	May 2007	Not applicable

OR-0013B Solid Waste Stabilization and Disposition	February 2008	February 2008
OR-0031 Soil and Water Remediation Offsites	February 2008	Not applicable
OR-0040 Nuclear Facility D&D East Tennessee Technology Park (D&D Fund)	February 2008	Not applicable
OR-0041 Nuclear Facility D&D Y-12	February 2008	February 2008
OR-0042 Nuclear Facility D&D Oak Ridge National Laboratory	February 2008	February 2008
OR-0043 Nuclear Facility D&D East Tennessee Technology Park (Defense)	February 2008	February 2008

PROJECT SCOPE

PBS OR-OO11Z – Downblend of U-233 in Building 3019

Oak Ridge has a significant inventory of Uranium-233 (U-233) currently stored in Building 3019 at the Oak Ridge National Laboratory. U-233 is a special nuclear material which requires strict safeguards and security controls to protect against access. In addition, the Defense Nuclear Facilities Safety Board issued Recommendation 97-1, *Safe Storage of Uranium-233*, that identified concerns related to long-term storage of the inventory in Building 3019. The primary objectives of this project are to: 1) address safeguards and security requirements; 2) eliminate safety and nuclear criticality concerns; and 3) place the material in interim storage for future disposal. Treating the U-233 inventory as expeditiously as possible will reduce the substantial annual costs associated with safeguards and security requirements, eliminate the risk of a nuclear criticality event, and avoid the need for future facility upgrades to Building 3019 to ensure safe storage of the inventory.

PBS OR-0013B – Solid Waste Stabilization and Disposition

This project funds storage, treatment and disposal of low-level, mixed low-level, hazardous, industrial, and sanitary waste from the East Tennessee Technology Park, Oak Ridge National Laboratory, and Polychlorinated Biphenyl Federal Facility Compliance Agreement mixed waste from Y- 12. It also includes the operation of the Toxic Substances Control Act Incinerator and the Central Neutralization Facility. In addition, this project funds the management of the Reservation's approximately 4,000 cubic meters of transuranic waste, including the operation of the Transuranic Waste Processing Center.

PBS OR-0031 – Soil and Water Remediation-Offsites This project reduces risk and accelerates the cleanup of three privately owned properties that were contaminated due to the sale of contaminated materials from the DOE to private companies. DOE is responsible for the cleanup of these sites under the Tennessee Superfund law. The three sites are the Atomic City Auto Parts Site in Oak Ridge and the David Witherspoon, Inc. 901 and 1630 sites in Knoxville. The properties, which cover 64 acres combined, are in residential and commercial areas and are accessible to the public. Primary contaminants include uranium, polychlorinated biphenyls, and heavy metals. The Atomic City Auto Parts site was completed in FY 2005. The David Witherspoon, Inc. 901 site was completed in FY 2006. The David Witherspoon, Inc. 1630 site cleanup is in progress. The cleanup actions include removing, treating, and disposing of contaminated materials, equipment, soil, and sediment and demolishing facilities. At completion, all three sites are expected to be suitable for future industrial use.

PBS OR-0041 – Nuclear Facility D&D-Y-12 This project funds cleanup at the Y- 12 National Security Complex. The Y- 12 site is a significant contributor of mercury, radionuclides, and volatile organic

compounds, and polychlorinated biphenyls to the Upper East Fork of Poplar Creek (which flows through the City of Oak Ridge). In addition, Bear Creek Valley, which is located just west of the Y-12 plant, is the site of numerous liquid and solid waste disposal areas. To date, several high-risk reduction projects have been completed, including construction and operation of a water treatment system to reduce mercury contamination in surface water leaving the site, initial phases of remediation of the East End Volatile Organic Compound Plume to prevent further off-site migration of contaminated groundwater, and excavation of the Boneyard/Burnyard burial ground in Bear Creek Valley to reduce uranium contamination migration into surface water leaving the site. The remaining cleanup activities include demolition of contaminated EM facilities, additional sediment and soils removal to address mercury and polychlorinated biphenyls contamination and completion of Phase II Record of Decision for Bear Creek Valley.

This PBS scope also includes incremental construction, operation, and final closure of the Environmental Management Waste Management Facility disposal facility. This project also includes the incremental construction and operation of the Oak Ridge Reservation Landfills (Sanitary/Industrial, Construction/Demolition, and Classified Materials) that accept and dispose of waste from all on-site DOE program offices including the National Nuclear Security Administration's Y-12 Security Complex. Surveillance and maintenance activities for the Y-12 National Security Complex and coordination of environmental monitoring of soils, sediments, surface water, and groundwater throughout the Oak Ridge Reservation to assess the effectiveness of cleanup actions are also included in the scope of this PBS.

Additional scope has been identified that needs to be added to the Oak Ridge lifecycle baseline to address Department environmental liabilities consisting of facilities, structures, and contaminated legacy materials excess to the Y-12 complex, including soils under facilities, groundwater, and surface water.

PBS OR-0042 – Nuclear Facility D&D-Oak Ridge National Laboratory Due to the many multi-disciplinary research activities conducted over the years at the Oak Ridge National Laboratory, environmental media and facilities became contaminated as a result of operations, leaks, spills, and past waste disposal practices. The presence of creeks and shallow groundwater provides a ready transport mechanism of contaminants into White Oak Creek, which flows to the Clinch River, a major drinking water source and recreational area.

Areas requiring remediation include more than 50 inactive facilities (including six inactive research reactors), three significant plumes of contaminated groundwater, contaminated surface water, and numerous areas of soil and sediment contamination. These projects include: remediation of the source of the most significant groundwater contaminant plume at the Oak Ridge National Laboratory (i.e., the Corehole 8 plume); excavation of highly contaminated sediments from surface impoundments located adjacent to White Oak Creek; and decontamination and decommissioning of high-priority facilities, such as the Molten Salt Reactor Experiment facility, to ensure worker safety and mitigate the potential for contaminant release. This project also includes surveillance and maintenance activities to maintain contaminated sites in accordance with safety basis documents until final decommissioning, decontamination and remedial actions are undertaken, as well as, treatment and disposal of newly generated waste.

Additional scope has been identified that needs to be added to the Oak Ridge lifecycle baseline to address Department environmental liabilities consisting of facilities, structures, outdated waste treatment facilities and contaminated legacy materials excess to the Oak Ridge National Laboratory, including soils under facilities, groundwater, and surface water.

PBS OR-0043 – Nuclear Facility D&D-East Tennessee Technology Park (Defense) This project, in combination with PBS OR-0040, Nuclear Facility D&D East Tennessee Technology Park (Uranium

Enrichment Decontamination and Decommissioning Fund) will accomplish the closure of East Tennessee Technology Park. This project funds decontamination, decommissioning, and demolition for the East Tennessee Technology Park facilities that were not involved in enriching uranium for commercial clients. This project also provides for the surveillance and maintenance required to maintain these facilities in accordance with safety basis documents while they await decontamination and decommissioning.

PBS OR-0040 – Nuclear Facility D&D-East Tennessee Technology Park (D&D Fund)

Approximately 2,200 acres of the 5,000 administrative acres at the site contain potential contamination, including known groundwater contaminant plumes from former burial grounds and contaminated soils. This project funds the remedial actions, including decommissioning and decontamination of facilities necessary to clean up the contaminated sites at the East Tennessee Technology Park. It also funds the site infrastructure services, including fire protection, utility services, environmental, safety, and health programs, real property management, power operations and maintenance, and capital improvements and repairs.

This project includes approximately 160 release sites requiring remediation and 500 facilities (125 major buildings) requiring decommissioning and decontamination. The decommissioning in FY 2005 of the K-29, 31 and 33 gaseous diffusion process buildings (covering 110 acres) completed the largest decommissioning project ever undertaken by DOE. The decommissioning of the K-25 and K-27 gaseous diffusion process buildings is the current priority because of worker safety concerns stemming from the continuing deteriorating condition of the buildings. The scope of the K-25/K-27 building subproject is to abate the hazardous materials, remove the process equipment and excess materials stored in the buildings, demolish the building structures, and appropriately characterize, package, transport and dispose of all the associated wastes.

The remaining work at the site includes remedial actions in Zone 1 (1,400 acres located outside the fenced Main Plant area), remedial action for Zone 2 (800 acres inside the Main Plant area inside fence) and decontamination and decommissioning of the remaining facilities. The decontamination and decommissioning of these other facilities include the planning, deactivation of utilities, asbestos and other hazardous material abatement, equipment dismantlement and disposal, structure demolition and waste disposal.

PROJECT COST

(dollars in millions)

Cost Element	Project Number			
	OR-0011Z	OR-0013B	OR-0031	OR-0040
1. Prior Year Costs (1997-2007)	\$45.8	\$857.5	\$50.9	\$1,539.9
2. Total Near-Term Baseline (50% Confidence Level)	\$315.0	\$541.3	\$12.9	\$1,518.4
3. Unfunded Contingency	\$24.0	\$56.5	\$.5	\$180.1
4. Performance Baseline (80% Confidence Level)	\$384.8	\$597.8	\$13.4	\$1,698.5
5. Out Year Planning Estimate Range	-	\$270.0-\$310.0	-	-
6. Total Life Cycle Cost	\$384.8	\$1,725.3-\$1,765.3	\$64.3	\$3,238.4

Cost Element	Project Number			
	OR-0041	OR-0042	OR-0043	
1. Prior Year Costs (1997-2007)	\$285.1	\$264.7	\$84.7	
2. Total Near-Term Baseline (50% Confidence Level)	\$286.5	\$437.9	\$3.1	
3. Unfunded Contingency	\$51.3	\$51.0	\$.1	
4. Performance Baseline (80% Confidence Level)	\$337.8	\$488.9	\$3.2	
5. Out Year Planning Estimate Range	\$480.6-\$564.8	\$495.2-\$567.5	\$43.4-\$45.5	
6. Total Life Cycle Cost	\$1,103.5- \$1,187.7	\$1,248.8- \$1,321.1	\$131.3- \$133.4	

SUMMARY LIFECYCLE BASELINE SCHEDULE

Activity Name	Finish	2007				2008				2009				2010		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Complete Transition of Ownership and Operational Responsibility to EM	28-Feb-07*	◆ Complete Transition of Ownership and Operational Responsibility to EM														
Begin Construction (I.e. , Facility Modifications)	30-May-08*	◆ Begin Construction (I.e. , Facility Modifications)														
Award Long Lead Procurements	30-Jun-08*	◆ Award Long Lead Procurements														
Start Limited Construction/Dismantlement Activities (Hotcell & Lab Clean-out)	30-Sep-08*	◆ Start Limited Construction/Dismantlement Activities (Hotcell & Lab Clean-out)														
Complete Dismantlement Activities	30-Sep-09*	◆ Complete Dismantlement Activities														
Obtain CD-3B Package for Bldg 3019 Modifications	30-Sep-09*	◆ Obtain CD-3B Package for Bldg 3019 M														
Finalize Design of U-233 Down-Blending Eqp & Bldg 3019 Mods	30-Sep-09*	◆ Finalize Design of U-233 Down-Blending														

Actual Work	Milestone				
Remaining Work	Summary				

Activity Name	Finish	FY2010				FY2011				FY2012				FY2013				
		4	F	F	FQ3	FQ4	F	F	FQ3	FQ4	F	FQ2	F	FQ4	F	FQ2	F	Q4
EMIS PBS Global: OR.PBS.0013B Solid Waste Stabilization	31-Jan-13	[Gantt bar from 02-Jul-12 to 31-Jan-13]																
WBS: Environmental Compliance	02-Jul-12	[Gantt bar from 02-Jul-12 to 02-Jul-12]																
Semi-annual STP Report FY10	02-Nov-09*																	
Annual STP Update Report FY10	02-Nov-09*																	
Annual PCB FFCA Report FY10	02-Nov-09*																	
RCRA Annual Report FY10	01-Mar-10*	◆																
Semi-annual STP Report FY10	03-May-10*		◆															
PCB Annual Report FY10	01-Jul-10*			◆														
Annual PCB FFCA Report FY11	01-Nov-10*				◆													
RCRA Annual Report FY11	01-Mar-11*					◆												
PCB Annual Report FY11	05-Jul-11*						◆											
Annual PCB FFCA Report FY12	01-Nov-11*							◆										
RCRA Annual Report FY12	01-Mar-12*								◆									
PCB Annual Report FY12	02-Jul-12*									◆								
PCB Annual Report FY12	02-Jul-12*										◆							
WBS: FAB Documentation	20-Sep-12	[Gantt bar from 20-Sep-10 to 20-Sep-12]																
K-1065 DSA/TSR Annual Update FY10	20-Sep-10*			◆														
WDP EPHS Update FY10	30-Sep-10*			◆														
Authorization Agreement Cat 2 Facilities FY10	30-Sep-10*			◆														
K-1065 DSA/TSR Annual Update FY11	19-Sep-11*							◆										
WDP EPHS Update FY11	30-Sep-11*							◆										
WDP EPHS Update FY12	30-Sep-11							◆										
Authorization Agreement Cat 2 Facilities FY11	30-Sep-11*							◆										
Authorization Agreement Cat 2 Facilities FY12	30-Sep-11							◆										
K-1065 DSA/TSR Annual Update FY12	20-Sep-12*																◆	
WBS: MLLW Storage	28-Sep-12	[Gantt bar from 28-Sep-12 to 28-Sep-12]																
ACP MLLW Storage Finish	28-Sep-12*																	◆
WBS: Legacy Industrial Waste Disposition	30-Sep-11	[Gantt bar from 30-Sep-11 to 30-Sep-11]																
Complete Industrial Waste Disposition	30-Sep-11								▼									
WBS: TRU Storage	01-Oct-09	[Gantt bar from 01-Oct-09 to 01-Oct-09]																
Complete TRU Storage	01-Oct-09*																	
WBS: Phase III - Retrieval & Treatment Operations	05-Jun-12	[Gantt bar from 05-Jun-12 to 05-Jun-12]																
																		▼

Activity Name	Finish	FY2010				FY2011				FY2012				FY2013				
		4	F	F	FQ3	FQ4	F	F	FQ3	FQ4	F	FQ2	F	FQ4	F	FQ2	F	Q4
FWENC Returns Stage II Leased Facilities	05-Jun-12*											◆						
WBS: Contact Handled Waste Processing	27-Sep-12				▶													
375 Cu. Meters (842 Cu. Meters Cum)	30-Sep-10*			◆														
375 Cu. Meters (1217 Cu. Meters Cum)	29-Sep-11*							◆										
197 Cu. Meters (1414 Cu. Meters Cum)	27-Sep-12*												◆					
WBS: Remote Handled Waste Processing	27-Sep-12				▶													
Remote Handled Waste Processing Complete	27-Sep-12*												◆					
WBS: Remote Handled Waste Processing	27-Sep-12				▶													
192 Cu. Meters (352 Cu. Meters Cum)	30-Sep-10*			◆														
192 Cu. Meters (544 Cu. Meters Cum)	29-Sep-11*							◆										
56 Cu. Meters (600 Cu. Meters Cum)	27-Sep-12*												◆					
WBS: Sludge Processing Facility Buildout	31-Jan-13																▼	
Sludge Processing Facility Mods Complete	31-Jan-13*																◆	
Sludge Processing Facility Ready for Hot Ops	31-Jan-13*																◆	
WBS: Sludge Mobilization	31-Jan-13																▼	
Sludge Mobilization Mods Complete	31-Jan-13																◆	
Sludge Mobilization Ready for Hot Ops	31-Jan-13*																◆	

Activity Name	Finish	FY2014				FY2015				FY2016				FY2017			
		FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3
OR.PBS.0040 Nuclear Facility D&D - ETP (D&D Fund)	08-Jun-17	[Gantt bar from FY2014 FQ4 to FY2017 FQ3]															
WBS: Zone 1 RA - FFA Completion Documentation	20-Apr-17	[Gantt bar from FY2015 FQ1 to FY2017 FQ2]															
Z1 FL/K-722 PCCR - Approved by Regs	07-Apr-15						◆										
K-770/PHAI PCCR - Approved by Regs	06-Sep-16												◆				
Zone 1 RAR - Approved by Regs	20-Apr-17																◆
WBS: Zone 1 RA - Remedial Action Fieldwork	25-Apr-17	[Gantt bar from FY2015 FQ4 to FY2017 FQ3]															
K-770 Complete Soils RA	10-Dec-15								◆								
PHAI Soils RA Construction Complete	14-Dec-15								◆								
Zone 1 Area RA Fieldwork Complete	16-Sep-16												◆				
Zone 1 RA Project Complete	25-Apr-17																◆
WBS: Zone 2 RA - Project Mgmt & Technical Supt	08-Jun-17	[Gantt bar from FY2014 FQ4 to FY2017 FQ3]															
Zone 2 Area K25 Complete - EUs 20-21-22-23	13-Jan-14	◆															
Zone 2 - Centrifuge Area Complete - EU40, K-1200	17-Nov-14					◆											
Zone 2 Haul Road Area Complete EUs 27-28-38	17-Dec-14					◆											
Zone 2 Poplar Creek Area Complete EUs 11-12-19	20-Jan-15					◆											
Zone 2 Area North Park Complete EUs 16-17-18	23-Jan-15					◆											
Zone 2 Area 31/33 Complete EUs 1 thru 10	12-Mar-15					◆											
Zone 2 Main Plant - Comp EUs 24-25-26-31-32-36	15-Dec-15									◆							
Zone 2 Area 27/29 Complete EUs 13-14-15	17-Feb-16									◆							
Zone 2 K-1037 Area - Complete EU 40	10-Jun-16											◆					
Construction Finish - Zone 2 (NonBurial Grounds)	20-Jun-16											◆					
Zone 2 RA Project Complete	08-Jun-17																◆
ETTP Closure Project - Scope Complete	08-Jun-17																◆
WBS: Zone 2 RA - FFA Completion Documentation	26-May-17	[Gantt bar from FY2017 FQ1 to FY2017 FQ3]															
Zone 2 Remedial Action Report Approved by Regs	26-May-17																◆
WBS: Zone 2 RA - Remedial Action Fieldwork	20-Jun-16	[Gantt bar from FY2016 FQ3 to FY2016 FQ4]															
Zone 2 - Remedial Actions Complete	20-Jun-16												◆				
WBS: Sitewide RA - Project Mgmt & Technical Supt	03-Oct-16	[Gantt bar from FY2016 FQ3 to FY2016 FQ4]															
Sitewide RA - Project Complete	03-Oct-16												◆				
ETTP Closure Project - Scope Complete	03-Oct-16											◆					
WBS: K29 D&D - Project Management	30-Sep-16	[Gantt bar from FY2016 FQ3 to FY2016 FQ4]															
Project Complete - K-29 Area D&D	30-Sep-16												◆				

Activity Name	Finish	FY2014				FY2015				FY2016				FY2017			
		FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3
WBS: Poplar Creek D&D - Project Management	03-Oct-16																
Project Complete	03-Oct-16																
WBS: Poplar Creek D&D - Bldg Demolition	04-Feb-16										▼						
Poplar Creek Removal Action Constr Complete	04-Feb-16									◆							
WBS: K-27 Area D&D	30-Sep-16										▬						
Finish Demo - K27	29-Apr-16										◆						
K25/K27 Project Complete	30-Sep-16																
WBS: K-27 Regulatory Documentation/Closeout	03-Jun-16										▼						
Removal Action Complete K-25 & K-27 D&D	03-Jun-16										◆						
WBS: Main Plant Area D&D - Project Management	16-Feb-17																▼
Project Complete Main Plant Area D&D	16-Feb-17																◆
WBS: Main Plant Area D&D - Facility Demolition	03-Oct-16																▼
Construction Complete Removal Action K-1037 D&D	03-Oct-16																◆
WBS: BOS - Utilities D&D - Project Management	30-Sep-16																▼
Project Complete - ETPP BOS Utilities Group	30-Sep-16																◆
WBS: BOS Utilities - Deactivation	30-Sep-16	▬															▼
Complete Deactivation - BOS Utilities	12-Dec-13	◆															
Complete Deactivation - CNF	14-Jan-15						◆										
Complete Deactivation - Main Plant	30-Sep-16																◆
WBS: BOS - Utilities D&D - Facilities	07-Mar-16	▬															▼
K-832 - DEMOLITION -- COMPLETE	21-Jan-14	◆															
K-0731 SWITCHHOUSE DEMOLITION COMPLETE	26-Oct-15										◆						
Complete BOS Utilities Demolition	07-Mar-16																◆
WBS: K31/K33 D&D - Project Management	03-Oct-16																▼
Project Complete - K31/K33 Facility D&D	03-Oct-16																◆
WBS: TSCA Incinerator D&D - Characterization	04-Aug-14				▼												
Complete Characterization - TSCA Incinerator	04-Aug-14				◆												
WBS: TSCA Incinerator D&D - Facilities	19-Nov-15										▼						
Construction Complete - TSCA Incinerator	12-Nov-15										◆						
Project Complete - TSCA Incinerator	19-Nov-15										◆						

Activity Name	Finish	FY2009				FY2010				FY2011				FY2012				FY2013			
		F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
		OR.PBS.0041 Nuclear Facility D&D - Y-12	30-Sep-09				▼														
WBS: Oak Ridge Reservation Landfills	30-Sep-09				▼																
PROJECT FINISH MILESTONE	30-Sep-09				◆																

		Finish Milestones												13-Jun-08 14:23								
Activity Name		Finish	FY2009				FY2010				FY2011				FY2012				FY2013			
			F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
OR.PBS.0042 Nuclear Facility D&D - ORNL		28-Sep-12																				
WBS: MSRE Remedial Action		23-Jun-12																				
MSRE Remedial Action - Complete		23-Jun-12*																				
WBS: MSRE - FSD Fuel & Flush Salt Removal Process		20-Apr-12																				
MSRE Flush & Fuel Salt Removal Complete		20-Apr-12																				
WBS: MSRE - Salt Removal Process		22-Apr-12																				
MSRE Fuel Drain Tank (FDT-1) Complete		10-Feb-12																				
MSRE Fuel Drain Tank (FDT-2) Complete		17-Mar-12																				
MSRE Fuel Flush Tank (FFT) Complete		20-Apr-12																				
Complete Cask Shipments from MSRE to 7826/7834		22-Apr-12																				
WBS: Newly Generated LLW Disposition		28-Sep-12																				
Complete NG LLW Disposition		28-Sep-12																				
Transfer LLW Cert/Ship Authority to OS/NNSA		28-Sep-12*																				
WBS: Project Management		30-Sep-10																				
Project Complete NG MLLW		30-Sep-10																				

PBS OR-0043 has no near term completion milestones