

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-443 / ETTP Surveillance & Maintenance - D&D Fund**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0141**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Purpose -

The purpose of the ETTP Surveillance & Maintenance (S&M) program is to ensure adequate containment and site control at shutdown facilities waiting decommissioning or reuse to ensure the health and safety of the public, site workers, and the environment. This is accomplished through a systematic program of inspections, surveillances, instrumentation calibration and building maintenance. These activities are designed to cost effectively manage the legacy materials remaining in the facilities; ensure sufficient containment is in place by process equipment and building structures; and that classified Technologies and residual material are adequately protected.

Background -

The ETTP, formerly known as the Oak Ridge K-25 Site was built as part of the Manhattan Project during World War II to supply enriched uranium for nuclear weapons production. Construction began in 1943 with the K-25 Building, the first diffusion facility for large-scale separation of U235. The K-25 building was fully operable by August 1945. Additional buildings involved in the enrichment process were operable by 1956. Through 1964, the site was used primarily for the production of highly enriched uranium for nuclear weapons. In response to the national postwar emphasis on nuclear power, plant operations were modified to include the production of uranium compatible with reactors used to generate electric power.

From 1959 to 1969, the focus shifted to the production of commercial-grade, low enrichment uranium. Because of the declining demand for enriched uranium, the enrichment process was placed on standby in 1985 and shutdown permanently in 1987.

Scope -

The ETTP S&M-D&D Fund PBS consists of several subprojects. These subprojects and associated scope are as follows:

D&D S&M - Routine surveillances are conducted on 78 Enriched Uranium (EU) S&M facilities at ETTP. These facilities include major gaseous diffusion process facilities and numerous ancillary support facilities around the ETTP. Surveillance operations include: inspecting low-level waste areas, hazardous materials control areas, fissile storage areas, equipment for safeguard purposes, fire extinguishers, radioactive material storage areas, exit lights, sump pumps and facility inspections.

Equipment Verification Program (EVP) inspections will be performed in the K-25 building twice weekly on specific items to provide assurance of integrity of the special nuclear materials contained in the process equipment and piping. In addition, a tampering-indicating device (TID) inspection and inventory will be conducted in the

K-25 building quarterly to ensure devices are in place and intact. Monthly NDA material conformation measurements of hold-up materials will be performed. Additionally, Nuclear Materials and Control and Accountability (NMC&A) provides coordination activities with S&M, NDA and other groups.

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Facilities are maintained in a condition that will contain radiological and hazardous contamination; prevent release of hazardous materials to the environment; protect the health and safety of workers; and maintain safeguards and security systems for classified technology. Over 53 acres of roofs are routinely inspected and preventative, minor and emergency repairs are completed as required. Facility Status Reviews (FSR) are performed annually to identify equipment of facility problems.

Remedial Actions (RA) S&M - The RA S&M Program is responsible for 131 facilities that are identified in the Oak Ridge FFA for investigation and remediation at the ETTP covering approximately 114 acres. (Note the total estimated acreage does not include the 25 acres of water surface at the K-1007-P1 pond). The 131 facilities are comprised of 60 inactive waste sites, 71 inactive valve vaults and inactive RCW lines.

The RA S&M program purpose is to ensure that those sites remain in acceptable condition while on inactive status without undue risks to the health or well being of the ETTP work force, the public, or the environment. Appropriate access controls and security is provided to minimize the potential hazards. Stabilization controls for residual radioactive and hazardous materials remaining at the facilities are implemented as necessary.

RA S&M consists of routine scheduled facility inspections, periodic radiological surveillance, periodic industrial hygiene surveillance, periodic monitoring by Environmental Compliance, routine maintenance to correct identified deficiencies, and special maintenance projects. Surveillance inspections will monitor physical site conditions, signs, security controls, radiological conditions, storm water drainage, radiological/chemical/physical hazards and other safety-related activities, and will provide surveillance of system structural/mechanical integrity. These activities will provide protection of site staff, the general public, and the environment in compliance with federal and state laws and regulations and applicable DOE orders. The RA S&M program will provide appropriate levels of site control during remedial investigations and facility studies, until final site plans are completed and implemented.

Post Cleanup O&M - The scope of this subproject is manage Post Clean-up O&M S&M Sites in accordance with site closure other approved documentation. Post Clean-up O&M sites will receive the level of oversight, inspection, sampling and analysis required and for the duration specified in the documentation. At a minimum, Post Clean-up program provides periodic surveillance, maintenance, and implementation of applicable health/safety/environmental requirements and best management practices. Periodic reporting will be provided to DOE and/or regulatory agencies where required.

The Post Clean-up O&M program is currently responsible for five (5) post-remedial/demolished facilities with long-term requirements. New facilities accepted under the Program will be described in K/ER-54, "Surveillance and Maintenance for Remedial Action Sites at the East Tennessee Technology Park"

The Post Clean-up O&M program will ensure that post-remedial/demolished sites will remain in an acceptable condition, in compliance with specific Post Clean-up requirements, without undue risks to the health and well being of the ETTP work force, the public, or the environment. The Program will provide appropriate access controls and security consistent with hazards that still exist and the scope of Post clean-up oversight requirements.

As required, Post Clean-up O&M will consist of routine scheduled facility surveillance, routine maintenance to correct identified deficiencies, and specific activities as prescribed by project completion reports or regulatory documents and agreements. Standard RA/ES&H surveillance inspections

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will monitor physical site conditions and integrity, signs and applicable security controls, environmental/health/safety factors.

Reindustrialization Support - The scope of this subproject is to provide support to the management and implementation of the DOE Reindustrialization program by supplying personnel to work with DOE and CROET in the areas of Lessee Support, Regulatory Affairs, Communications, Cost Analysis, Account Executive support, and Technology Transfer.

ETTP Infrastructure Services - The scope of this subproject includes services necessary to maintain the ETTP Infrastructure until such a time as facilities are either re-used by non-federal tenants or Decontaminated and Decommissioned. Major elements of these services include:

Fire Protection - This scope includes all services required to prevent and control fires at the 1,500-acre site.

Utilities - This scope includes the services provided through the CROET for utility management, operations, maintenance, monitoring and a major repairs and rehabilitation program for the site.

Security and Shift Operations - This scope includes the resources required to provide appropriate levels of protection for classified matter, information and government property including the monitoring of alarms and dispatch of protective forces.

Environment, Safety & Health Programs - This scope includes the resources required to maintain compliance with the milestones and deliverables described in the environmental regulations and permits issued for operations across ETTP. Including the Clean Water Act, NEPA, NHPA, TOA, EPCRA, HSWA and CERCLA. Other elements of scope include the NIOSH Worker Study, Facility Safety Program, Criticality Safety Program, Asbestos Management Program, Dose monitoring & reporting and Industrial Safety Program and the Industrial Hygiene Program.

Real Property Management Program - This scope includes the resources required to provide general maintenance and electrical power for approximately 316 structures at ETTP, many of which are deteriorating and contain hazardous wastes and contaminated material. Also included is the general maintenance of roads, land acreage along the roads, sidewalks and parking areas.

Custodial Services - This scope includes the resources required to provide custodial services for Bechtel Jacobs self-performed activities.

Infrastructure Capital Improvements & Repair Projects - The scope of this subproject includes the resources required to maintain the integrity of general use facilities and infrastructure at ETTP such as implementation of major construction activities, renovations and major systems upgrades.

Technical Approach -

The ETTP S&M program is required to maintain surplus facilities in compliance with federal and state regulations and DOE orders. The DOE has mandated that its facilities are managed in a safe and environmentally sound manner and its contractors abide by applicable laws and regulations. The DOE has promulgated orders in many cases that provide guidance to its contractors on how these regulations should be interpreted and implemented.

S&M involves walk-through inspections to ensure compliance with federal and state regulations and applicable DOE Orders. The S&M program

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performs periodic building inspections, assessments, prioritization activities, requests funding for corrective actions, identifies deficiencies that would otherwise insult the environment, jeopardize the public or ETPP personnel's health and safety, or adversely affect national security. Program responsibilities include identification and initiation of the appropriate corrective actions for roof leaks, steam leaks, air leaks safety concerns, and asbestos deterioration throughout various facilities. Additionally shutdown equipment, hazardous and radiological wastes must be properly controlled and maintained in a safe condition. There is an ongoing effort to remove these hazardous materials and hazardous wastes through corrective actions and thereby reduce risks within the facilities. In addition to the interior building inspections, the building exteriors are inspected for structural integrity, radiological protection, needed maintenance, postings, housekeeping and security concerns. The S&M program will place or maintain surplus facilities in a safe shutdown condition using a risk-based approach while operating within the constraints of available funding. The intent of the program is to maintain the facilities in an acceptable condition that assures protection of workers, the public and the environment until such time that CERCLA response actions are completed and/or facilities are transitioned to private tenants for reuse.

Routine surveillances of RA S&M facilities will be conducted to assess the conditions of sites, identify deficiencies, make minor corrections and initiate corrective actions. New sites will be evaluated for applicable requirements, assigned appropriate inspection and/or surveillance criteria and frequency. Drive-by inspections will be performed on specified facilities on weekly, monthly and quarterly frequencies. Walkdown inspections of all RA facilities will be performed at least annually, or as needed where problems arise that require examination. Controlled checklists with specific criteria will be utilized to perform all drive-by surveillances and annual walkdowns of RA sites. Routine inspections will be performed by Radiological Control and ES&H disciplines in accordance with ETPP Programs. Corrective actions will be documented and tracked, and appropriate records of completion will be developed.

Routine surveillance of Post Clean-up O&M facilities will be conducted to identify deficiencies, make minor corrections and to initiate necessary corrective actions. Controlled checklists will be used to address both basic ES&H oversight and any unique surveillance criteria specified by project completion reports and/or applicable regulatory documents. The surveillances will be conducted on a frequency determined appropriate by Post clean-up management, unless frequency is specified by project completion reports and/or applicable regulatory documents. These surveillances will include drive-by inspections where appropriate and physical site walkdown at least annually. Other elements of long-term S&M specified by these documents will be implemented through service organizations and oversight will be provided to ensure completion in accordance with source documents. Where circumstances and observations dictate, additional surveys and/or characterizations will be performed as necessary to ensure site integrity.

The technical approach for the Reindustrialization Support activities is to provide all necessary services to meet the end objective of placing private sector business in previously used facilities at ETPP and to improve the methods of achieving these results. The strategy is to work with all the various entities to provide as smooth a transition as possible from Government use to private use of reuse facilities.

The ETPP Infrastructure Capital Improvements and Repair Projects accomplishes its goals to manage and control capital construction and infrastructure support projects through four stages of work. The first stage is identifying and validating the projects to be funded. Projects identified will be to maintain critical buildings and systems required to support the completion of the EM missions or support projects for facilities and/or systems which have been identified for long-term use. Additionally, identified projects can be upgrades or replacements with a short-term economic payback (3-4 years); or actions necessary to mitigate environmental, safety and health concerns.

The second stage is the satisfying and administering budgeting requirements necessary to fund projects that have been identified for a specific year.

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The third stage is to manage, track and report upon projects that have been funded and are in progress. The fourth and final stage is the proper close out of the project.

Project Status in FY 2006:

This PBS (ETTP Surveillance and Maintenance - D&D Fund) consists of seven subprojects, but only one, ETTP D&D S&M will be completed prior to FY 2006. It will be completed in FY 2005.

Post-2006 Project Scope:

The following six subprojects will be completed after the end of FY 2006:

- Reindustrialization Support *
- ETTP Remedial Action S&M
- ETTP Site Infrastructure Services *
- ETTP Long Term O&M
- ETTP Water Quality Program
- ETTP Infrastructure Capital Improvement and Repair *

* These projects are split-funded with PBS OR-441.

Project End State

The East Tennessee Technology Park has a mission as a non-federal industrial park, and D&D of certain buildings is on the critical path to achieve this mission.

Cleanup will be appropriate for unrestricted/uncontrolled industrial use for all areas of land.

No restricted areas will remain.

Cost Baseline Comments:

The DOE EM LCB recently issued in draft form from Bechtel Jacobs Company LLC to DOE-ORO is the cost basis for this PBS. The ETTP LCB combined the existing scopes of work, schedules, and cost estimates from the FYB three-year planning window with newly-prepared scopes of work, schedules, and cost estimates for the work outside the three-year window to create Watershed LCB from FY 2000 to the completion of the work.

Following development of scope statements, cost estimating models and feasibility study estimates were used for creating the cost estimates in the Life Cycle Baseline.

1. Cost Estimating Models - Cost estimating models were developed for the majority of new Remedial Action, Decontamination and Decommissioning, and Surveillance and Maintenance projects. These innovative models were developed in concert with DOE, utilizing published

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cost databases such as RACER, ECHOS, and R. S. Means. Actual costs of cleanup work already completed, and previously detailed cost estimates were also utilized. These models were utilized when no other estimates existed, or when the project team needed to increase the quality of an existing estimate. Additionally, these models were developed to include the appropriate level of estimate detail and quality for a Life Cycle Baseline estimate.

2. Feasibility Study Estimates - Feasibility study estimates were used where appropriate, adjusted as needed (e.g., the LCB assumes classified waste will go to the EMWMF, whereas the feasibility study assumed it would not). For some projects, the feasibility study timing did not allow the use of estimates.

No matter which estimating method was used, each estimate was reviewed for errors, omissions, and consistency in approach across the DOE-ORO EM Program.

Safety & Health Hazards:

Systems and processes are developed under the Integrated Safety Management System (ISMS) implementation to ensure that Bechtel Jacobs Company and its subcontractors perform an analysis of hazards before the start of work. This is accomplished as hazards are identified that are associated with the performance of tasks. We examine available site data, interview people involved in the work processes, and perform site walkdowns. If existing information does not provide adequate data to identify hazards, sampling and characterization is performed, as necessary.

After hazards are identified they are analyzed initially by team walkdowns, which includes only those individuals familiar with the task activities and associated hazards. Information gathered during preparation of the preliminary hazard assessment is used to develop specific subcontract language and a tailored compliance matrix for subcontract packages. This language specifically requires the submittal of an ES&H plan and identification of applicable contractual ES&H requirements based on the complexity and risk associated with the work.

Safety & Health Work Performance:

Bechtel Jacobs Company incorporates safety into work performance by:

- Protecting the safety and health of workers, subcontractors, and the public by identifying and mitigating hazards and implementing safe work practices.
- Conserving and protecting environmental resources by integrating environmental protection into the daily conduct of business; fostering a spirit of cooperation with Federal, State, and local regulatory agencies, and using appropriate waste management, treatment, storage, and disposal methods.
- Striving to meet environmental performance goals to allow zero unpermitted discharges to the environment; to comply with all conditions of environmental permits; and, to the extent practicable, reduce waste generation and maximize recycle and reuse potential.
- Utilizing facility safety programs for high hazard activities.
- Fostering a commitment to zero accident performance, which is reflected in company policies, programs, procedures, and plans. All employees are empowered to make "safety first" a reality at their work sites during planning and execution of work.

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Bechtel Jacobs Company's Integrated Safety Management System (ISMS) systematically incorporates ES&H controls into management and work practices. It implements the following five safety management functions:

- (1) Define the scope of work,
- (2) Analyze hazards,
- (3) Develop and implement hazard controls,
- (4) Perform work within controls, and
- (5) Provide feedback and continuous improvement.

To verify that the appropriate pre-job activities have been completed effectively, Bechtel Jacobs Company uses a readiness review process for tasks, activities, and facilities. The rigor of this review increases for more hazardous activities.

The reviews provide evidence that the following elements are in place:

- Workers have been involved in the process.
- Hazards have been adequately identified and characterized in the activity hazard assessment.
- Appropriate controls for the protection of workers has been identified and will be implemented during the execution of the work.
- Adequate ES&H procedures, emergency response procedures, and applicable environmental permits and plans have been developed and will be implemented during work execution.
- Adequate levels of ES&H staff, training, and technical support are in place before the start of work.
- Safety systems are operable and maintained according to design specifications.

The project teams to demonstrate that they and the subcontractors are ready to perform work will conduct readiness reviews (excluding operational readiness assessments). All work, including work that does not require DOE approval under the M&I contract, must be approved by Bechtel Jacobs Company.

PBS Comments:

Baseline Validation Narrative:

The Oak Ridge Operations Office Environmental Management Life Cycle Baseline (LCB) was submitted by the Managing and Integrating Contractor, Bechtel Jacobs Company LLC, to DOE-ORO on April 1, 1999. The final draft LCB will be submitted to DOE-ORO on June 1, 1999 after formal receipt and incorporation of comments. A validation of the baseline is in process using an independent contractor to DOE-ORO. The validation will be ongoing until complete and the final validation report is scheduled to be issued on June 25, 1999.

General PBS Information

Project Validated?

Date Validated:

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General PBS Information

Has Headquarters reviewed and approved project? No

Date Project was Added: 3/10/1999

Baseline Submission Date: 7/1/1999

FEDPLAN Project? Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	Y	Y	N	Y	N	Y	Y	Y

Project Identification Information

DOE Project Manager: W. M. Seay

DOE Project Manager Phone Number: 423-576-1830

DOE Project Manager Fax Number: 423-574-4724

DOE Project Manager e-mail address: seaywm@oro.doe.gov

Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current year dollars)	254,334	57,168	311,502	15,692	32,771	15,692		40,502	31,389	32,327	33,960	29,286	23,336	17,578	14,572
PBS Baseline (constant 1999 dollars)	241,646	33,183	274,829	15,692	32,771	15,692		40,502	30,743	31,011	31,907	26,950	21,033	15,517	12,599
PBS EM Baseline (current year dollars)	254,334	57,168	311,502	15,692	32,771	15,692		40,502	31,389	32,327	33,960	29,286	23,336	17,578	14,572
PBS EM Baseline (constant 1999 dollars)	241,646	33,183	274,829	15,692	32,771	15,692		40,502	30,743	31,011	31,907	26,950	21,033	15,517	12,599

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	2007	2008	2009	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
PBS Baseline (current year dollars)	11,337	5,299	3,843	3,829	1,451	1,610	1,786	1,982	2,199	2,440	2,707	3,003	3,332	3,697	4,102	4,551
PBS Baseline (constant 1999 dollars)	9,600	4,395	3,122	3,047	1,084	1,085	1,084	1,086	1,085	1,086	1,086	1,084	1,084	1,085	1,085	1,085
PBS EM Baseline (current year dollars)	11,337	5,299	3,843	3,829	1,451	1,610	1,786	1,982	2,199	2,440	2,707	3,003	3,332	3,697	4,102	4,551
PBS EM Baseline (constant 1999 dollars)	9,600	4,395	3,122	3,047	1,084	1,085	1,084	1,086	1,085	1,086	1,086	1,084	1,084	1,085	1,085	1,085

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project:

Current Projected End Date of Project: 9/30/2070

Explanation of Project Completion Date Difference (if applicable):

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):

Actual 1997 Cost:

32,771

Actual 1998 Cost:

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Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	-32,771	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):	-885
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	-33,656		

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):		
Cost Associated with New Scope (+):		
Cost Growth Associated with Scope Previously Reported (+):		
Cost Reductions Due to Science & Technology Efficiencies (-):		
Subtotal:	-33,656	
Additional Amount to Reconcile (+):	277,101	

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): **243,445**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
ETTP S&M - D&D Fund - Project Start	OR443-001		10/1/1996								
ETTP S&M - D&D Fund - Project End	OR443-001		9/30/2070								
ETTP S&M - D&D Fund Mission Completion	OR443-003		9/30/2070								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
ETTP S&M - D&D Fund - Project Start	OR443-001			Y							
ETTP S&M - D&D Fund - Project	OR443-001				Y						

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Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
End											
ETTP S&M - D&D Fund Mission Completion	OR443-003					Y					

Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
RS														
Assess.	NR	1.00	0.00	1.00						1.00				
RS														
Cleanup	NR	1.00	0.00	1.00						1.00				
Fac.														
Decom.- Assess.	NF	0.00	0.00	0.00										
Fac.														
Decom- Cleanup	NF	0.00	0.00	0.00										
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	Planned 2036 - 2040
RS														
Assess.	NR													
RS														
Cleanup	NR													
Fac.														
Decom.- Assess.	NF													

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Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035
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Fac.

Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2065	Planned 2066 - 2070	Exceptions	Lifecycle Total
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RS

Assess.	NR									1.00
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RS

Cleanup	NR									1.00
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Fac.

Decom.- Assess.	NF								1.00	1.00
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Fac.

Decom- Cleanup	NF								1.00	1.00
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Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0110		RAIMS Unit #1409 \ K-1004-N1 Recirculating Cooling Water Lines	Spills and Leaks/Pipeline Leaks	2000	2000		2000			1992	N	Approved	N

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0679		RAIMS Unit #1649 \ K-25 Uranium Deposits	Buildings & Equipment/Other Buildings	Non-Nuclear Facility	1997	1997					1998	1998		1996	N		Y