

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-433 / ETTP Decontamination & Decommissioning - D&D Fund**

Report Number: **GEN-01b**

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

HQ ID: **0139**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

The purpose of the East Tennessee Technology Park (ETTP) Decontamination and Decommissioning (D&D) - D&D Fund PBS is to address environmental hazards that have been identified at facilities within the ETTP watershed and to complete the CERCLA activities required for all of these facilities. All of the scope included in this PBS is necessary to accomplish the land use of ETTP, which is that of an industrial park occupied by private-sector businesses and industries. Successful transition to an industrial park will be jeopardized if the ETTP D&D - D&D Fund project is not implemented as planned.

The facilities included in the scope of this PBS formerly supported the uranium enrichment mission at ETTP. Many are radiologically contaminated within the process piping and equipment and on building surfaces, both inside and outside. The radioactive contaminant is primarily uranium, but other radionuclides are also present in trace quantities. Several facilities are designated nuclear facilities and many are designated as radiological under the safety authorization basis. Some facilities are contaminated with hazardous materials. Many contain physical hazards which pose a further risk to workers involved with S&M, especially as D&D is further delayed and facilities continue to degrade. Additionally, if D&D is postponed further, the project cost increases because mixed and low-level waste streams increase and commingle when buildings deteriorate.

S&M funding levels are not sufficient to maintain the facilities in good condition, therefore roof leaks and other natural causes accelerate facility degradation, sometimes very quickly. Once facilities degrade to a certain point, releases of contaminants to the environment become much more prevalent and significant facility repairs, such as a new roof, or immediate D&D of the facility are required. Therefore, funding to continue decontamination and decommissioning is necessary to eliminate the contamination concerns and remove the physical hazards.

If work is not completed for this project, risks to the public will be moderate, whereas risks to the ETTP worker will remain urgent. Risks to the environment will be high and will increase over time as the potential for release increases with facility degradation. Upon project completion, which includes demolition of many of the facilities, risks to the public, the environment, and the worker will be low.

Background -

The ETTP, formerly known as the K-25 Plant, or the Oak Ridge Gaseous Diffusion Plant, was the first site at which uranium was enriched for use in an atomic bomb. After World War II, the uranium enrichment operations were continued to supply uranium for nuclear reactors. All enrichment operations stopped in 1985.

The ETTP has been part of the Oak Ridge Environmental Restoration program since its inception in 1990. Several projects have been scoped and implemented during this time period in order to reduce the hazards remaining from uranium enrichment operations.

The ETTP watershed is one of the watersheds identified on the Oak Ridge Reservation to which the CERCLA process will be applied. The Oak Ridge Reservation is located in a water-rich environment with numerous surrounding water bodies. Each of the main plant areas on the Oak Ridge

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Reservation drains into one of the tributaries of the Clinch River/Watts Bar reservoir system. Because of this, water is the dominant media for contaminant transport on the reservation. Therefore, the watershed approach for characterization, implementation of remediation phases, and subsequent monitoring provides a context in which to prioritize work and evaluate the overall effectiveness and relative contribution of individual remedial actions.

In the DOE-ORO EM Baseline Plan, the watershed Records of Decision (RODs) have been identified as significant milestones to the success of the plan. Because the watershed RODs encompass most of the priority-contaminated sites across the Oak Ridge Reservation, the remedial actions, including actions to demolish or decontaminate facilities, identified in the RODs will provide the roadmaps for decontamination and decommissioning work. The ETTP D&D - D&D Fund project has additional importance because of the efforts underway to reindustrialize the ETTP. The ETTP D&D - D&D Fund project will result in all facilities being decontaminated or demolished so that worker exposures are eliminated, or controlled to the extent practical.

Scope -

The scope of this PBS project is to decontaminate, decommission, and to demolish facilities in accordance with CERCLA and Federal Facility Agreement milestones. Facilities vary in contamination levels from relatively clean to highly contaminated. The general approach is to remove and decontaminate equipment as needed, then decontaminate and demolish selected structures down to slab on grade level. No below-grade demolition is included. Selected facilities will be reused. Low level waste is sent to an Environmental Management Waste Management Facility (EMWMF).

The ETTP D&D - D&D Fund project consists of several subprojects that will address all of the remaining primary sources of contamination and risk at the ETTP. This PBS does not include any of the Surveillance and Maintenance (S&M) requirements for facilities included in the decontamination and decommissioning program. D&D S&M scope requirements are now included under PBS OR-443.

The subprojects included in this project are:

- Deposit Removal - Project closeout.
- KAFaD Group I Building Demolition - Demolish five radiologically contaminated facilities (K-724, K-725, K-1131, K-1231-A, K-1410, K-1031, and associated appurtenances).
- K-25/K-27 Building D&D - Perform utility deactivation, strip-out of process/non-process equipment and piping, decontamination/demolition, and waste disposal for the critical path K-25 and K-27 buildings.
- Poplar Creek Facilities D&D - Remove equipment, demolish numerous buildings, structures, and appurtenances, and dispose of waste.
- Powerhouse Facilities D&D - Remove equipment, demolish units K-710, K-710-A, K-705-A, K-711, K-719, K-723 (Brick Stacks), and K-733-C, and dispose of waste.

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- Main Plant Area Facilities D&D - Remove equipment, demolish numerous buildings, structures, and appurtenances, and dispose of waste.
- Balance-of-Site Area Facilities D&D - Remove equipment, demolish numerous buildings, structures, and appurtenances, and dispose of waste.
- K-31/K-33 Rabbit Ears Facilities D&D - Remove equipment, demolish numerous buildings, structures, and appurtenances, and dispose of waste.

Technical Approach -

The technical approach for the ETTP D&D - D&D Fund project was developed by evaluating all information about inactive facilities at the ETTP site. This evaluation resulted in grouping the inactive facilities so that similar facilities will be addressed together in a subproject. The subprojects include the most probable remedial method, either decontamination only, or decontamination and demolition, for all of the currently known inactive facilities.

Environmental regulators have tentatively agreed to assumptions about waste disposal resulting from the demolition projects; most will be stored at the EMWTF, the scope of which is included in separate PBSs. The existing ETTP infrastructure, such as the industrial wastewater treatment plant, the Central Neutralization Facility (CNF), was included in the subproject scopes. Some additional data may be required to determine the exact disposition of waste streams generated as part of decontamination or demolition.

Sequencing of subprojects was based on the risk reduction and optimal construction logic expected by implementing the most probable remedial method. Information currently available on each facility to be addressed was compiled along with relevant environmental, safety, and health data and the relative risk posed by the facility was determined. In general, subprojects that produced the most risk reduction are planned for the near term; those with lesser risk reduction are planned for later in the Baseline.

All D&D activities within this PBS will be performed under a CERCLA EE/CA - Action Memo. K-25 and K-27 will be addressed under a project-specific EE/CA - Action Memo. The site ROD will recognize these responses.

In order to develop costs estimates for the subprojects planned for the future, specific assumptions were made such as those pertaining to construction details, square footage of floor space, extent of contamination, and type of construction materials. Costs for these parameters were applied along with the costs for design, management, waste disposal, and other construction project requirements, such as safety equipment, to determine the costs for each subproject.

Technologies such as large-scale metal recycle system, associated particle imaging, internal duct characterization system, small pipe characterization system, ROSIE, mobile automation characterization system, crane systems, control systems, and electrokinetic decontamination of concrete will be considered pending funding and technological considerations.

Work will be completed by fixed-price competitively bid subcontract(s) for the scope outlined in this PBS. Work will be performed using Integrated Safety Management Practices to protect the workers and the environment.

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Project Status in FY 2006:

This PBS (ETTP D&D - Non-Defense) consists of seven subprojects, six of which will be completed prior to the end of FY 2006. They are as follows:

- KAFaD Group I Buildings D&D
- Poplar Creek Facilities D&D
- ETTP Powerhouse Facilities D&D
- ETTP Main Plant Area Facilities D&D
- ETTP Balance of Site Facilities D&D
- K-31/K-33 Rabbit Ears Facilities D&D

Post-2006 Project Scope:

Only one subproject, K-25/K-27 Buildings D&D, will be completed after FY 2006. It will be completed in FY 2007.

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.

Land use controls will be required, therefore restrictions on the areas will be required to ensure land use is industrial.

Cost Baseline Comments:

The DOE EM Life Cycle Baseline recently issued in draft form from Bechtel Jacobs Company LLC to DOE-ORO is the cost basis for this PBS. The ETPP LCB combined the existing scopes of work, schedules, and cost estimates from the Fiscal Year Baseline (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 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

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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:

Contaminated buildings.
Contaminated systems.
Chemicals

Safety & Health Work Performance:

Bechtel Jacobs Company LLC 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.

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,

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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 have 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.

Readiness reviews (excluding operational readiness assessments) will be conducted by the project teams to demonstrate that they and the subcontractors are ready to perform work. 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:

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 |

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General PBS 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) | 351,991 | 502 | 352,493 | 43,862 | 15,584 | 14,896 | 26,309 | 1,938 | 2,914 | 11,722 | 30,964 | 51,816 | 66,763 | 87,728 | 39,388 | |
| PBS Baseline (constant 1999 dollars) | 323,242 | 425 | 323,667 | 43,862 | 15,584 | 14,896 | 26,309 | 1,938 | 2,854 | 11,245 | 29,092 | 47,683 | 60,174 | 77,443 | 34,055 | |
| PBS EM Baseline (current year dollars) | 351,991 | 502 | 352,493 | 43,862 | 15,584 | 14,896 | 26,309 | 1,938 | 2,914 | 11,722 | 30,964 | 51,816 | 66,763 | 87,728 | 39,388 | |
| PBS EM Baseline (constant 1999 dollars) | 323,242 | 425 | 323,667 | 43,862 | 15,584 | 14,896 | 26,309 | 1,938 | 2,854 | 11,245 | 29,092 | 47,683 | 60,174 | 77,443 | 34,055 | |
| | 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) | 502 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PBS Baseline (constant 1999 dollars) | 425 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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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 EM Baseline (current year dollars) | 502 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PBS EM Baseline (constant 1999 dollars) | 425 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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: 5/15/2007

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: | 15,584 | Actual 1998 Cost: | 26,309 |
| Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars): | -41,893 | Inflation Adjustment (2.7% to convert 1998 to 1999 dollars): | -1,131 | |
| Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): | -43,024 | | | |

Project Cost Changes

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Project Reconciliation

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: -43,024

Additional Amount to Reconcile (+): 307,933

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): **264,909**

Milestones

| Milestone/Activity | Field Milestone Code | Original Date | Baseline Date | Legal Date | Forecast Date | Actual Date | EA | DNFSB | Mgmt. Commit. | Key Decision | Intersite |
|---|----------------------|---------------|---------------|------------|---------------|-------------|----|-------|---------------|--------------|-----------|
| KAFaD Group I Buildings D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-001 | | 8/30/1999 | 8/30/1999 | | | Y | | | | |
| KAFaD Group I Buildings D&D - Issue (D1) EE/CA to EPA/TDEC for Review | OR433-002 | | 11/2/1998 | | | | | | | | |
| KAFaD Group I Buildings D&D - Issue (D1) Action Memo to Regs for Review | OR433-003 | | 3/15/1999 | | | | | | | | |
| K-25/K-25 Buildings D&D - Issue (D1) EE/CA to EPA/TDEC for Review | OR433-004 | | 2/12/2001 | | | | | | | | |
| K-25/K-27 Buildings D&D - Issue (D1) Action Memo to Regs for Review | OR433-005 | | 6/25/2001 | | | | | | | | |
| K-25/K-27 Buildings D&D - Submit (D1) RmAWP to Regs for Review | OR433-006 | | 5/16/2002 | | | | | | | | |
| K-25/K-27 Buildings D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-007 | | 7/14/2006 | | | | | | | | |
| Poplar Creek Facilities D&D - Submit Action Memo | OR433-008 | | 6/24/2003 | | | | | | | | |

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| Milestone/Activity | Field Milestone Code | Original Date | Baseline Date | Legal Date | Forecast Date | Actual Date | EA | DNFSB | Mgmt. Commit. | Key Decision | Intersite |
|---|----------------------|---------------|---------------|------------|---------------|-------------|----|-------|---------------|--------------|-----------|
| (D1) to Regs for Review | | | | | | | | | | | |
| Poplar Creek Facilities D&D - Submit (D1) RA Work Plan to Regs for Review | OR433-009 | | 12/19/2003 | | | | | | | | |
| Poplar Creek Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-010 | | 11/11/2005 | | | | | | | | |
| ETTP Powerhouse Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-011 | | 12/28/2004 | | | | | | | | |
| ETTP Powerhouse Facilities D&D - Submit RmAWP (D1) to Regs for Review | OR433-012 | | 8/9/2005 | | | | | | | | |
| ETTP Powerhouse Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-013 | | 12/2/2005 | | | | | | | | |
| Main Plant Area Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-014 | | 2/25/2000 | | | | | | | | |
| Main Plant Area Facilities D&D - Submit RmAWP (D1) to Regs for Review | OR433-015 | | 12/22/2000 | | | | | | | | |
| Main Plant Area Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-016 | | 10/10/2002 | | | | | | | | |
| ETTP Balance of Site Facilities D&D - Submit Action memo (D1) to Regs for Review | OR433-017 | | 12/27/2000 | | | | | | | | |
| ETTP Balance of Site Facilities D&D - Issue (D1) RA Work Plan to Regs for Review | OR433-018 | | 8/21/2001 | | | | | | | | |
| ETTP Balance of Site Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-019 | | 5/18/2005 | | | | | | | | |
| K-31/K-33 Rabbit Ears Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-020 | | 6/24/2004 | | | | | | | | |
| K-31/K-33 Rabbit Ears Facilities D&D - Issue (D1) RA Work Plan to Regs for Review | OR433-021 | | 11/5/2004 | | | | | | | | |
| K-31/K-33 Rabbit Ears Facilities D&D - Issue (D1) | OR433-022 | | 9/19/2005 | | | | | | | | |

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Milestones

| Milestone/Activity | Field Milestone Code | Original Date | Baseline Date | Legal Date | Forecast Date | Actual Date | EA | DNFSB | Mgmt. Commit. | Key Decision | Intersite |
|--|----------------------|---------------|---------------|------------|---------------|-------------|----|-------|---------------|--------------|-----------|
| Removal Action Report to Regs for Review | | | | | | | | | | | |
| ETTP D&D - D&D Fund - Project Start | OR433-023 | | 10/1/1996 | | | | | | | | |
| ETTP D&D - D&D Fund - Project End | OR433-024 | | 5/15/2007 | | | | | | | | |
| ETTP D&D - D&D Fund Mission Completion | OR433-025 | | 5/15/2007 | | | | | | | | |

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 |
|---|----------------------|-------------------|-----------------------|---------------|-------------|------------------|-----------|-----------------|----------------|-----------|-----------------------|
| KAFaD Group I Buildings D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-001 | | | | | | | | | | |
| KAFaD Group I Buildings D&D - Issue (D1) EE/CA to EPA/TDEC for Review | OR433-002 | | | | | | | | | | |
| KAFaD Group I Buildings D&D - Issue (D1) Action Memo to Regs for Review | OR433-003 | | | | | | | | | | |
| K-25/K-25 Buildings D&D - Issue (D1) EE/CA to EPA/TDEC for Review | OR433-004 | | | | | | | | | | |
| K-25/K-27 Buildings D&D - Issue (D1) Action Memo to Regs for Review | OR433-005 | | | | | | | | | | |
| K-25/K-27 Buildings D&D - Submit (D1) RmAWP to Regs for Review | OR433-006 | | | | | | | | | | |
| K-25/K-27 Buildings D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-007 | | | | | | | | | | |

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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 |
|--|----------------------|-------------------|-----------------------|---------------|-------------|------------------|-----------|-----------------|----------------|-----------|-----------------------|
| Poplar Creek Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-008 | | | | | | | | | | |
| Poplar Creek Facilities D&D - Submit (D1) RA Work Plan to Regs for Review | OR433-009 | | | | | | | | | | |
| Poplar Creek Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-010 | | | | | | | | | | |
| ETTP Powerhouse Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-011 | | | | | | | | | | |
| ETTP Powerhouse Facilities D&D - Submit RmAWP (D1) to Regs for Review | OR433-012 | | | | | | | | | | |
| ETTP Powerhouse Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-013 | | | | | | | | | | |
| Main Plant Area Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-014 | | | | | | | | | | |
| Main Plant Area Facilities D&D - Submit RmAWP (D1) to Regs for Review | OR433-015 | | | | | | | | | | |
| Main Plant Area Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-016 | | | | | | | | | | |
| ETTP Balance of Site Facilities D&D - Submit Action memo (D1) to Regs for Review | OR433-017 | | | | | | | | | | |

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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 |
|--|----------------------|-------------------|-----------------------|---------------|-------------|------------------|-----------|-----------------|----------------|-----------|-----------------------|
| ETTP Balance of Site Facilities D&D - Issue (D1) RA Work Plan to Regs for Review | OR433-018 | | | | | | | | | | |
| ETTP Balance of Site Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-019 | | | | | | | | | | |
| K-31/K-33 Rabbit Ears Facilities D&D - Submit Action Memo (D1) to Regs for Review | OR433-020 | | | | | | | | | | |
| K-31/K-33 Rabbit Ears Facilities D&D - Issue (D1) RA Work Plan to Regs for Review | OR433-021 | | | | | | | | | | |
| K-31/K-33 Rabbit Ears Facilities D&D - Issue (D1) Removal Action Report to Regs for Review | OR433-022 | | | | | | | | | | |
| ETTP D&D - D&D Fund - Project Start | OR433-023 | | | Y | | | | | | | |
| ETTP D&D - D&D Fund - Project End | OR433-024 | | | | Y | | | | | | |
| ETTP D&D - D&D Fund Mission Completion | OR433-025 | | | | | 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 | 2.00 | 0.00 | 2.00 | | | | | | 2.00 | | | | |

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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 | | | | | | | | | | | | | | |
| Cleanup | NR | 2.00 | 0.00 | 2.00 | | | | | | 2.00 | | | | |
| Fac. | | | | | | | | | | | | | | |
| Decom.- Assess. | NF | 121.00 | 0.00 | 121.00 | 20.00 | 38.00 | 38.00 | 1.00 | | 79.00 | | | | 3.00 |
| Fac. | | | | | | | | | | | | | | |
| Decom- Cleanup | NF | 69.00 | 44.00 | 113.00 | 20.00 | 35.00 | 35.00 | | | | | 2.00 | | |
| 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 | |
| RS | | | | | | | | | | | | | | |
| Assess. | NR | | | | | | | | | | | | | |
| RS | | | | | | | | | | | | | | |
| Cleanup | NR | | | | | | | | | | | | | |
| Fac. | | | | | | | | | | | | | | |
| Decom.- Assess. | NF | 3.00 | | | | | | | | | | | | |
| Fac. | | | | | | | | | | | | | | |
| Decom- Cleanup | NF | | 6.00 | 26.00 | | 36.00 | 8.00 | | | | | | | |
| 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 | | | | |
| RS | | | | | | | | | | | | | | |
| Assess. | NR | | | | | | | | 1.00 | 3.00 | | | | |
| RS | | | | | | | | | | | | | | |
| Cleanup | NR | | | | | | | | 1.00 | 3.00 | | | | |

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| Category/Subcategory | Units | Planned 2036 - 2040 | Planned 2041 - 2045 | Planned 2046 - 2050 | Planned 2051 - 2055 | Planned 2056 - 2060 | Planned 2061 - 2035 | Planned 2066 - 2070 | Exceptions | Lifecycle Total |
|------------------------|-------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------|--------------------|
| Fac. | | | | | | | | | | |
| Decom.- Assess. | NF | | | | | | | | 1.00 | 142.00 |
| Fac. | | | | | | | | | | |
| Decom- Cleanup | NF | | | | | | | | 1.00 | 142.00 |

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 | 0166 | | RAIMS Unit #110 \ K-1064 Drum Storage and Burn Area | Above Ground Material / Waste/Storage Yards and Pads | 2000 | | | 2000 | | | 1992 | N | | Y |
| ORTN | 0174 | | RAIMS Unit #371 \ K-895 Cylinder Destruct Facility | Dispersed Surface Contamination/Land Farms | 2000 | | | 2000 | | | 1992 | N | | Y |
| ORTN | 3043 | | RAIMS Unit #2338 \ K-1232 Equalization/Neutralization Tanks | Above Ground Material / Waste/Debris Piles | | | | | | | | N | | N |

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|-----------|--------|-------------|---|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0102 | | RAIMS Unit #82 \ K-1025-E Storage Building | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | N |
| ORTN | 0103 | | RAIMS Unit #166 \ K-1251 Barge Unloading Area | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1995 | | 9/30/1995 | | | | | | 9/30/1995 | | N | | N |
| ORTN | 0206 | | RAIMS Unit #64 \ K-1004-N1 \ Cooling Tower | | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | N |

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|-----------|--------|-------------|---|---|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0207 | | RAIMS Unit #65 \ K-1004-N2 Cooling Tower | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | N |
| ORTN | 0212 | | RAIMS Unit #147 \ K-1210 Centrifuge Test Facility | Buildings & Equipment\Uranium Enrichment Facility | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | Y |
| ORTN | 0213 | | RAIMS Unit #149 \ K-1210-A Advanced Engineering Test Facility | Buildings & Equipment\Uranium Enrichment Facility | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | Y |
| ORTN | 0217 | | RAIMS Unit #366 \ K-892-G Cooling Tower, Structure Only | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0218 | | RAIMS Unit #368 \ K-892-H Cooling Tower, Structure Only | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0220 | | RAIMS Unit #360 \ K-861-J/K-31 Cooling Tower | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0221 | | RAIMS Unit #363 \ K-891 Raw Water Pumphouse | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | N |
| ORTN | 0222 | | RAIMS Unit #372 \ K-896 Recycle Blowdown Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0223 | | RAIMS Unit #373 \ K-896-A Clarifier Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | | N | | Y |
| ORTN | 0224 | | RAIMS Unit #374 \ K-896-B Clarifier Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | | N | | Y |

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|-----------|--------|-------------|---|--|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0225 | | RAIMS Unit #361 \ K-861/K-31 Cooling Tower | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0228 | | RAIMS Unit #370 \ K-892-J Cooling Tower, Structure Only | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0229 | | RAIMS Unit #362 \ K-862 [K-31 Recirculating Water Pumphouse Area] Pumphouse | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0232 | | RAIMS Unit #1386 \ K-705-A Trash Barrier | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1995 | | 9/29/1995 | | | | | | 9/29/1995 | 1992 | N | | N |
| ORTN | 0233 | | RAIMS Unit #325 \ K-715 Water Treatment System | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 10/27/1995 | | | | | | 10/27/1995 | 1992 | N | | N |
| ORTN | 0234 | | RAIMS Unit #336 \ K-740 Paint Storage Warehouse | Buildings & Equipment\Storage Building / Warehouse | Non-Nuclear Facility | 1995 | | 8/22/1995 | | | | | | 8/22/1995 | 1992 | N | | N |
| ORTN | 0235 | | RAIMS Unit #1451 \ K-709 Switchyard | Buildings & Equipment\Equipment | Non-Nuclear Facility | 1994 | | 9/30/1994 | | | | | | 9/30/1994 | 1992 | N | | N |
| ORTN | 0236 | | RAIMS Unit #1417 \ K-705-B Crib House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 11/9/1995 | | | | | | 11/9/1995 | 1992 | N | | N |
| ORTN | 0237 | | RAIMS Unit #319 \ K-706 Pump House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1995 | | 9/11/1995 | | | | | | 9/11/1995 | 1992 | N | | N |
| ORTN | 0238 | | RAIMS Unit #320 \ K-707 Auxiliary Switch House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 11/9/1995 | | | | | | 11/9/1995 | 1992 | N | | N |

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|-----------|--------|-------------|---|--|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0239 | | RAIMS Unit #324 \ K-712 Fairchild Switchgear Substation | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1994 | | 9/15/1994 | | | | | | 9/15/1994 | 1992 | N | | N |
| ORTN | 0240 | | RAIMS Unit #332 \ K-734 Storage Building Breaker House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1994 | | 9/15/1994 | | | | | | 9/15/1994 | 1992 | N | | N |
| ORTN | 0241 | | RAIMS Unit #335 \ K-738 Chlorinator House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1994 | | 8/18/1994 | | | | | | 8/18/1994 | 1992 | N | | N |
| ORTN | 0242 | | RAIMS Unit #333 \ K-735 Storage Building | Buildings & Equipment\Storage Building / Warehouse | Non-Nuclear Facility | 1994 | | 9/15/1994 | | | | | | 9/15/1994 | 1992 | N | | N |
| ORTN | 0244 | | RAIMS Unit #60 \ K-1004-L Pilot Plant | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | Y |
| ORTN | 0245 | | RAIMS Unit #63 \ K-1004-N Cooling Tower | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1992 | N | | N |
| ORTN | 0248 | | RAIMS Unit #229 \ K-1600 Technology Test Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | Y |
| ORTN | 0249 | | RAIMS Unit #1367 \ K-33/K-631 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0251 | | RAIMS Unit #312 \ K-702 Turbine Room and Discharge | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 10/27/1995 | | | | | | 10/27/1995 | 1992 | N | | N |
| ORTN | 0253 | | RAIMS Unit #194 \ K-1410 Plating Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | 1997 | 10/1/1996 | | | | 2000 | 1999 | 8/25/1999 | 1992 | N | | Y |

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|-----------|--------|-------------|---|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0256 | | RAIMS Unit #195 \ K-1413 Building [Laboratory Engineering] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | Y |
| ORTN | 0257 | | RAIMS Unit #169 \ K-1302 Fluorine Storage [Building] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | Y |
| ORTN | 0258 | | RAIMS Unit #168 \ K-1301 Fluorine Production Facility [Pump Storage Facility] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | Y |
| ORTN | 0260 | | RAIMS Unit #167 \ K-1300 Stack [Brick Stack] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | Y |
| ORTN | 0267 | | RAIMS Unit #80 \ K-1024-D Storage Area | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | 1992 | N | | N |
| ORTN | 0269 | | RAIMS Unit #98 \ K-1037-C Smelter House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | | | | | | | | | | | N | | Y |
| ORTN | 0274 | | RAIMS Unit #138 \ K-1132 Hydrogen Fluoride (HF) Storage | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0275 | | RAIMS Unit #139 \ K-1133 HF Storage | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0276 | | RAIMS Unit #140 \ K-1134 HF Storage Shed | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0277 | | RAIMS Unit #141 \ K-1135 HF Storage Control Room | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |

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|-----------|--------|-------------|---|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0283 | | RAIMS Unit #218 \ K-1422 Storage House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1998 | 1998 | 8/30/1998 | | | | 2002 | 2002 | 9/30/1998 | 1992 | N | | Y |
| ORTN | 0284 | | RAIMS Unit #226 \ K-1501-E Coal Crusher and Unloading Station | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1994 | | 9/30/1994 | | | | | | 9/30/1994 | 1992 | N | | Y |
| ORTN | 0285 | | RAIMS Unit #231 \ K-25 Process Building | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | Y |
| ORTN | 0286 | | RAIMS Unit #1373 \ K-25/K-27 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0287 | | RAIMS Unit #241 \ K-27 Process Building | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | Y |
| ORTN | 0288 | | RAIMS Unit #1372 \ K-27/K-1131 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0289 | | RAIMS Unit #1368 \ K-27/K-131 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0290 | | RAIMS Unit #1371 \ K-27/K-413 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0291 | | RAIMS Unit #1370 \ K-27/K-631 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0292 | | RAIMS Unit #251 \ K-300-C Coolant Storage Area | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0293 | | RAIMS Unit #252 \ K-300-C-1 Coolant Unloading Building | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |

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|-----------|--------|-------------|---|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0294 | | RAIMS Unit #253 \ K-300-C-2 Coolant Storage Pump Building | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0295 | | RAIMS Unit #254 \ K-300-C-3 Coolant Drying System | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0296 | | RAIMS Unit #310 \ K-633-D Test Loop Storage | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0300 | | RAIMS Unit #348 \ K-801 Sample Station | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0301 | | RAIMS Unit #349 \ K-801-A Water Treatment Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0302 | | RAIMS Unit #350 \ K-801-AA Valve Vault | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0303 | | RAIMS Unit #351 \ K-801-B Water Treatment Clarifier Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0307 | | RAIMS Unit #1364 \ K-832-A Sprinkler Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0308 | | RAIMS Unit #1365 \ K-832-B Sprinkler Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0309 | | RAIMS Unit #357 \ K-833 Cooling Water Return Pump House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |

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|-----------|--------|-------------|--|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0310 | | RAIMS Unit #358 \ K-834 Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |
| ORTN | 0316 | | RAIMS Unit #72 \ K-101 Compressor Laboratory [Research Building] | Buildings & Equipment\Laboratory | Non-Nuclear Facility | 2000 | | | | | | 2009 | 2009 | | 1992 | N | | Y |
| ORTN | 0317 | | RAIMS Unit #136 \ K-1131 Feed and Tails Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | 1997 | 10/1/1996 | | | | 2000 | 1999 | 8/25/1999 | 1992 | N | | Y |
| ORTN | 0318 | | RAIMS Unit #157 \ K-1231 Process Building [Facility] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0319 | | RAIMS Unit #158 \ K-1231-A Propane Storage | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | 1999 | | | | | 2008 | 1999 | 8/25/1999 | 1992 | N | | Y |
| ORTN | 0320 | | RAIMS Unit #159 \ K-1231-B Caustic Storage Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0321 | | RAIMS Unit #162 \ K-1233 Collection Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0322 | | RAIMS Unit #163 \ K-1233-A Drum Cleaning | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0323 | | RAIMS Unit #173 \ K-131 Maintenance [Feed Vaporization Building] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0325 | | RAIMS Unit #356 \ K-832-H Cooling Tower Structure | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | N |

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|-----------|--------|-------------|---|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0328 | | RAIMS Unit #306 \ K-413 Product Withdrawal Facility | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0329 | | RAIMS Unit #308 \ K-631 Tails Storage [Process Tails] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0331 | | RAIMS Unit #309 \ K-633 Test Loop [Facility] | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1992 | N | | Y |
| ORTN | 0332 | | RAIMS Unit #311 \ K-701 Boiler House and Fabrication Shop | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 11/8/1995 | | | | | | 11/8/1995 | 1992 | N | | N |
| ORTN | 0333 | | RAIMS Unit #315 \ K-703 Fabrication Shop, Bio Laboratory | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 10/31/1995 | | | | | | 10/31/1995 | 1992 | N | | Y |
| ORTN | 0334 | | RAIMS Unit #328 \ K-724 Storage Building [Warehouse] | \ | Non-Nuclear Facility | 1997 | 1997 | 10/1/1996 | | | | 2000 | 1999 | 8/25/1999 | 1992 | N | | Y |
| ORTN | 0654 | | RAIMS Unit #1354 \ K-862 S Sulfuric Acid Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0655 | | RAIMS Unit #1356 \ K-892 A Clarifier | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0656 | | RAIMS Unit #1357 \ K-892 B Clarifier | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0657 | | RAIMS Unit #1358 \ K-892 C Clarifier | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |

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|-----------|--------|-------------|---|---------------------------------------|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0658 | | RAIMS Unit #1359 \ K-892 D Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0659 | | RAIMS Unit #1360 \ K-892 E Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0660 | | RAIMS Unit #1352 \ K-892 K Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0661 | | RAIMS Unit #1349 \ K-892 M Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0662 | | RAIMS Unit #1348 \ K-892 N HCL Pump House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0663 | | RAIMS Unit #1341 \ K-892 P Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0664 | | RAIMS Unit #1336 \ K-892 Q HCL Storage Tank (10k Gal) | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0665 | | RAIMS Unit #1337 \ K-892 R Zinc Storage Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0666 | | RAIMS Unit #1338 \ K-892 S Chromate Storage Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0667 | | RAIMS Unit #1339 \ K-892 T Phosphate Storage Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |

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|-----------|--------|-------------|--|--|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0668 | | RAIMS Unit #1335 \ K-892 U Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |
| ORTN | 0669 | | RAIMS Unit #1347 \ K-892 V Valve House and Electrical Panels | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |
| ORTN | 0670 | | RAIMS Unit #1342 \ K-892 W Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |
| ORTN | 0671 | | RAIMS Unit #1340 \ K-892 X RCW Sludge Tank | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |
| ORTN | 0672 | | RAIMS Unit #1344 \ K-894 Acid Unloading Station | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |
| ORTN | 0673 | | RAIMS Unit #1345 \ K-896 C Pump House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |
| ORTN | 0677 | | RAIMS Unit #1655 \ K-31 Building Roof | Buildings & Equipment\Storage Building / Warehouse | Non-Nuclear Facility | 1997 | | 4/30/1997 | | | | 1997 | | 4/30/1997 | 1996 | N | Y | |
| ORTN | 0680 | | RAIMS Unit #1516 \ K-1092 Tank Foundation | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 11/9/1995 | | | | | | 11/9/1995 | 1996 | N | N | |
| ORTN | 0681 | | RAIMS Unit #1387 \ K-709 C Sprinkler Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 11/9/1995 | | | | | | 11/9/1995 | 1996 | N | N | |
| ORTN | 0688 | | RAIMS Unit #1423 \ K-892 Center Basin | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | N | |

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|-----------|--------|-------------|--|--|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| | | | | Buildings | | | | | | | | | | | | | | |
| ORTN | 0689 | | RAIMS Unit #1343 \ K-894 A Rail Car Transfer Station | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0692 | | RAIMS Unit #1366 \ K-33/K-31 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1996 | N | | Y |
| ORTN | 0843 | | RAIMS Unit #1388 \ K-709 A Oil Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1996 | | 11/9/1995 | | | | | | 11/9/1995 | 1996 | N | | N |
| ORTN | 0845 | | RAIMS Unit #1384 \ K-735-A Storage Building | Buildings & Equipment\Storage Building / Warehouse | Non-Nuclear Facility | 1996 | | 11/9/1995 | | | | | | 11/9/1995 | 1996 | N | | N |
| ORTN | 0862 | | RAIMS Unit #1389 \ K-1206-E Fire Water Tank | Tanks\Above Ground Storage Tanks | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1996 | N | | N |
| ORTN | 0865 | | RAIMS Unit #1369 \ K-27/K-633 Outdoor Process Tielines | Buildings & Equipment\Equipment | Non-Nuclear Facility | 2000 | | | | | | 2008 | 2008 | | 1996 | N | | Y |
| ORTN | 0871 | | RAIMS Unit #1351 \ K-700A39 Transformers | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0873 | | RAIMS Unit #1355 \ K-861 A Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0875 | | RAIMS Unit #1353 \ K-861 B Valve House | Buildings & Equipment\Other Buildings | Non-Nuclear Facility | 1997 | | 2/13/1997 | | | | 1997 | | 2/13/1997 | 1996 | N | | N |
| ORTN | 0910 | | RAIMS Unit #1657 \ K-1007-B Trailer | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0915 | | RAIMS Unit #1506 \ K-1015 Laundry | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |

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|-----------|--------|-------------|--|--|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 0918 | | RAIMS Unit #1664 \ K-1025-A Warehouse | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0919 | | RAIMS Unit #1507 \ K-1025-B Warehouse | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0921 | | RAIMS Unit #1509 \ K-1025-D Warehouse | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0923 | | RAIMS Unit #1666 \ K-1064-B Salvage Material Yard Office | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0924 | | RAIMS Unit #1667 \ K-1064-E Salvage Yard Shop | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0925 | | RAIMS Unit #1510 \ K-1064-H Storage Shed | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0926 | | RAIMS Unit #1511 \ K-1064-J Storage Shed | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0951 | | RAIMS Unit #1513 \ K-1310-AW Prefab Building Health Physics | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0981 | | RAIMS Unit #1718 \ K-1310-CJ Boundary Control Station #76 (S K-27) | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0987 | | RAIMS Unit #1724 \ K-1310-CQ Cool Down Unit | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0988 | | RAIMS Unit #1725 \ K-1310-CR Cool Down Unit | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 0989 | | RAIMS Unit #1726 \ K-1310-CS Personnel Monitoring Station (K-1417-A) | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 1021 | | RAIMS Unit #1758 \ K-1310- | Above Ground Material | Non-Nuclear | 2000 | | | | | | 2006 | 2006 | | | N | | N |

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|-----------|--------|-------------|--|--|----------------------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| | | | EN Boundary Control Station | / Waste/Debris Piles | Facility | | | | | | | | | | | | | |
| ORTN | 1046 | | RAIMS Unit #1781 \ K-1408-A Pyrofax Heating Unit | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 1049 | | RAIMS Unit #1783 \ K-1423-E Trailer | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 1051 | | RAIMS Unit #1785 \ K-1423-I Trailer | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | 2006 | 2006 | | | N | | N |
| ORTN | 1082 | | RAIMS Unit #1503 \ K-711 Storage Warehouse | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | | | 2/23/1998 | | N | | N |
| ORTN | 1084 | | RAIMS Unit #1504 \ K-722 Storage Warehouse | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | | | | | | | | 2/23/1998 | | N | | N |
| ORTN | 1087 | | RAIMS Unit #330 \ K-726 PCB Storage Facility | Above Ground Material / Waste/Debris Piles | Non-Nuclear Facility | 2000 | 2000 | | | | | | | 2/23/1998 | | N | | N |
| ORTN | 4006 | | RAIMS Unit #2598\K-1004-F Laboratory Storage Buildings | | | 2000 | | | | | | 2005 | | | | N | | N |
| ORTN | 4007 | | RAIMS Unit #2599\K-1004-M Lab Electrical Switchgear Room | | | 2000 | | | | | | 2005 | | | | N | | N |
| ORTN | 4008 | | RAIMS Unit #2601\K0835 Venturi Vault | | | 2000 | | | | | | 2005 | | | | N | | N |
| ORTN | 4009 | | RAIMS Unit #2602\K-1064-D Truck Loading Facility | | | 2004 | | | | | | 2005 | | | | N | | N |
| ORTN | 4010 | | RAIMS Unit #2603\K-1405 High Temperature Lab | | | 2000 | | | | | | 2002 | | | | N | | N |
| ORTN | 4011 | | RAIMS Unit #2604\K-1407 Laboratory & Storage | | | 2000 | | | | | | 2002 | | | | N | | N |
| ORTN | 4012 | | RAIMS Unit #2605\K-0710 Powerhouse Sewage Treatment | | | 2004 | | | | | | 2005 | | | | N | | N |

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|-----------|--------|-------------|---|----------------|--------|--------------------|--------------------|---------------------|------------------|------------------|-------------------|------------------|------------------|-------------------|-----------|-----------|--------------|-----|
| ORTN | 4013 | | RAIMS Unit #2606\K-0733-C Oil Storage Tank | | | 2004 | | | | | | 2005 | | | | N | | N |

Technology Needs

Site Need Code: ORDD-01

Site Need Name: Improved Characterization of Equipment, Machinery, Fabricated Metals and Other Materials

Focus Area Work Package ID: DD-05

Focus Area Work Package: Material Recycle and Release

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Pipe Explorer (TM) System

0

Associated Particle Imaging Development

0

Site Need Code: ORDD-02

Site Need Name: Improved Decontamination of Equipment, Machinery, Fabricated Metals, and Other Materials

Focus Area Work Package ID: DD-05

Focus Area Work Package: Material Recycle and Release

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Gas Phase Decontamination Process for Gaseous Diffusion Equipment

0

Decontamination and Conversion of Nickel Radioactive Scrap Metal

0

Dataset Name: **FY 1999 Planning Data**

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Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oak Ridge**

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

Site Summary Level: **Oak Ridge Reservation**

HQ ID: **0139**

Project **OR-433 / ETTP Decontamination & Decommissioning - D&D Fund**

Technology Needs

Site Need Code: ORDD-03

Site Need Name: Improved Decontamination of Facility Concrete and Painted Surfaces

Focus Area Work Package ID:

Focus Area Work Package:

Focus Area:

Agree with Technology Link: N

Benefits (Cost, Risk Reduction, Both): Cost

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Concrete Shaver

0

Site Need Code: ORDD-09

Site Need Name: Improved Non-Thermal Cutting of Process Equipment

Focus Area Work Package ID: DD-05

Focus Area Work Package: Material Recycle and Release

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Risk Reduction

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

High Speed Clamshell Pipe Cutter

0

Site Need Code: ORDD-10

Site Need Name: Improved Asbestos Disposition

Focus Area Work Package ID: DD-05

Focus Area Work Package: Material Recycle and Release

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Dataset Name: **FY 1999 Planning Data**

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Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-433 / ETTP Decontamination & Decommissioning - D&D Fund**

Report Number: **GEN-01b**

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

HQ ID: **0139**

Technology Needs

Asbestos Pipe-Insulation Removal System 0

Site Need Code: ORDD-12

Site Need Name: Improved Characterization of Buildings and Facilities

Focus Area Work Package ID: DD-07

Focus Area Work Package: Hot Cell Facilities and Laboratory Equipment D&D

Focus Area: DDFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Cost

Technologies

| | <u>Cost Savings (in thousands of dollars)</u> | <u>Range of Estimate</u> |
|---|---|--------------------------|
| Mobile Automated Characterization System | 0 | |
| Gamma Cam (TM) Radiation Imaging System | 0 | |
| Ground Based Laser Induced Fluorescence Imaging | 0 | |