

# Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Oak Ridge

Site Summary Level: Oak Ridge Reservation

Project OR-321 / ORNL Remedial Action - Def

Report Number: GEN-01b

Print Date: 3/9/2000

HQ ID: 0095

---

## General Project Information

### Project Description Narratives

#### Purpose, Scope, and Technical Approach:

The Oak Ridge National Laboratory (ORNL) is a multidisciplinary research facility that began operation in 1943 as part of the Manhattan Project. The original mission of the laboratory was to develop a prototype graphite reactor and reactor fuel reprocessing facility. Subsequent to World War II, ORNL functions have expanded to include fuel reprocessing research; radioisotope production and applications development; nuclear reactor development, testing, and operation; and biological, environmental, energy, and materials research. As a result of these multidisciplinary research activities, the environment has become contaminated because of leaks, spills, and past waste disposal practices. During the period from 1955 to 1963, Oak Ridge was designated by the Atomic Energy Commission (AEC) as the Southern Regional Burial Ground, and received a wide variety of wastes from approximately 50 different sources.

All of the surface water at ORNL drains into White Oak Creek, and then into the Clinch River. The purpose of the ORNL Remedial Action Project is the environmental restoration of all contaminated areas located at ORNL. The project scope includes remediation of contaminated soil, sediment, surface water, groundwater, settling ponds, waste burial grounds, and liquid waste seepage pits and trenches. This PBS also addresses contaminated grout sheets (from the hydrofracture waste injections) that are located 900 - 1200 feet underground.

The ORNL Remedial Action Project includes the following subprojects:

a) Melton Valley (MV) Record of Decision (ROD) - The objective of this subproject is the completion of the CERCLA assessment phase of the Melton Valley Environmental Management mission culminating in a No Further Action (NFA) ROD that documents the remedial actions taken within Melton Valley under CERCLA regulation. The ultimate purpose of this effort is to develop and document Remedial Action decisions for contaminated sites within the Melton Valley Watershed that will lead to rapid and cost effective remediation.

b) MV Burial Grounds - The objective of this subproject is the hydraulic isolation of three major sources of contaminant release in Melton Valley (i.e., Solid Waste Storage Area [SWSA] 4, SWSA 5 South, and SWSA 6). Hydraulic isolation consists of placing multi-layer caps over waste areas to minimize generation of leachate from waste. In some areas, up-gradient trenches to divert clean water away from waste and down-gradient collection drains and subsequent treatment of contaminated water after leaching through the waste are included to enhance hydraulic isolation effectiveness.

c) MV Liquid Waste Disposal Sites - The objective of this subproject is to contain or isolate the source contamination from the pits and trenches in Melton Valley. These sites include Pits 2, 3, and 4, Trenches 5, 6 and 7, and the Homogeneous Reactor Experiment (HRE) Fuel Wells. The objective is to contain or isolate the source contamination from a variety of secondary sources and leak sites in Melton Valley. These include the pits and trenches secondary sources and Liquid Low-Level Waste (LLLW) Lines and Leak Sites, which consist of the Gauging Station NW of building 7852, Pit 6 SE (Leak Site 1), End of Trench 7 Access Road (Leak Site 2), Leak at Valve Pit North of Trench 7 (7818), Leak Site between Pit 3 (7807) and Trench 6, and the Leak at Valve Pit North of Trench 7 (7818).

d) MV Soils and Sediments - The objective of this subproject is to remediate soils and sediments within the Melton Valley Watershed that pose an unacceptable current or future risk to workers, the public, and the ecology. Contaminated soils and sediments will be either excavated and disposed or

---

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Page 1 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

## Project Description Narratives

coincidentally capped as part of the hydraulic isolation of other release sites. Excavated soils and sediments will either be disposed in the Environmental Management Waste Management Facility (EMWMF) or placed, as fill, under caps associated with other release sites. Another objective of this subproject is to provide wetlands mitigation when disturbance of wetlands is an unavoidable result of remedial actions.

e) MV Transuranic (TRU) Waste Disposal Sites - The objective of this subproject is to design, excavate, handle, package, transport, and dispose of the waste material buried in the 23 trenches in SWSA 5 North and 5 trenches in SWSA 5 South.

f) MV Footprint Reduction - The objective of this subproject is the completion of the work required for Footprint Reduction/Remedial Site Evaluation (RSE) activities in the Melton Valley Watershed. The scope includes all work required to complete CERCLA 12 (h) activities and Study Area Evaluation Reports for Footprint Reduction Study Areas 10/11 and 12 and portions of areas 7/18 and 13/19. The Footprint Reduction/RSE activities in the Melton Valley Watershed will be completed to identify Oak Ridge Reservation (ORR) lands that have not been impacted by activities that have resulted in hazardous substance contamination to obtain a No Further Investigation (NFI) determination on all such lands. The CERCLA 120(h) process, which identifies the presence or likely presence, of hazardous substances on property being transferred by federal agencies is used to evaluate each Footprint Reduction Study Area. The CERCLA 120 (h) process requires that the following information sources be used to identify the presence of hazardous substance contamination on government land: historical information, aerial photography, and field investigation/verification. Remote sensing data have been added to the minimum CERCLA 120 (h) requirements to augment the historical aerial photography and to ensure a comprehensive investigation using available sources.

g) Bethel Valley (BV) Footprint Reduction - The objective of the BV Footprint Reduction Project is to complete Footprint Reduction activities in the Bethel Valley Watershed to identify ORR lands that have not been impacted by activities that have resulted in hazardous substance contamination and to issue all such lands a NFI determination.

h) Bethel Valley Record of Decision - The Bethel Valley Record of Decision provides the decision documents for the remediation of contaminated areas of Bethel Valley. Implementation of the selected actions is carried out in other projects.

i) BV Federal Facility Agreement (FFA) Tanks Project - The overall objective of the BV FFA Tanks Project is to evaluate and remove the contents of the Category D (LLLW) tanks to the extent practicable in accordance with the FFA requirements. This project will focus on the removal of the tank residues (sludge and supernate). The tank shells, contaminated equipment, pipelines, and soil associated with the tank systems will be remediated by the Inactive Tanks and Pipelines Remediation Project. There are 41 tanks in the FFA Tanks Project and 19 require surveillance and maintenance (S&M) only. The sludge removal is not within the scope of this project for those 19 tanks.

j) BV Gunitite and Associated Tanks Project - The BV Gunitite and Associated Tanks Project technical objective is to complete the Interim Remedial Action as defined in the Interim Record of Decision (IROD) that was approved by DOE and the regulatory agencies in September, 1997. These actions include:

- Remove the solid and liquid wastes from the W-3, W-4, W-5, W-6, W-7, W-8, W-9, and W-10 North Tank Farm (NTF) and South Tank Farm (STF) Tanks;
- Scarify the tank walls and floors;
- Remove gunitite core samples and perform analysis to document contamination levels that remain in the tanks as required by the Remedial Design

---

Dataset Name: **FY 1999 Planning Data**

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

Page 2 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

## Project Description Narratives

Report (RDR)/Remedial Action Work Plan (RAWP);

- Transfer the wastes to the consolidation tanks and eventually to the Melton Valley Storage Tanks (MVST);
- Continue performance of project management, nuclear facility safety, and operational support activities;
- Perform S&M activities at the North and South Tank Farms;
- Demobilize the waste removal equipment upon completion of the Interim Remedial Action;
- Cooperate with Technology Deployment activities

k) ORNL Main Plant Surface Impoundments - The objectives of this subproject are to provide regulator-approved documentation to define the necessary Remedial Action (RA) and to implement that RA. Follow-up objectives include final documentation for subproject closeout. Fixed Price Subcontractors will supply documentation and perform remediation for Impoundments A & B.

l) BV Core Hole 8 Plume Source - The objective of this subproject is to complete a removal action on Tank W-1A and the surrounding soils consistent with the Engineering Evaluation/Cost Assessment (EE/CA), Action Memorandum (AM), and Removal Action Work Plan (RmAWP) to support a final industrial land use for the site.

m) BV Groundwater Action - The Remedial Investigation/Feasibility Study (RI/FS) for the Bethel Valley Watershed at ORNL (DOE/OR/01-1748/V1&D1) addresses three areas of groundwater contamination within the BV Watershed. Areas of groundwater contamination include:

- volatile organic compound (VOC) contamination in groundwater on the east end of the ORNL plant (Waste Area Grouping [WAG] 17);
- contaminated groundwater from source areas in the central portion of the ORNL plant area (primarily the Core Hole 8 plume);
- and contaminated groundwater in the Solid Waste Storage Area (SWSA) 3 area on the west end of the ORNL plant.

Remedial Alternatives C-3 (central and WAG 17 areas) and W-3 (SWSA 3 area) have been preliminarily identified as the proposed alternatives to address remediation of these areas of groundwater contamination. Proposed groundwater actions under Alternative C-3 include installation of groundwater extraction wells for subsequent extraction of groundwater from the east end VOC contamination area, the Core Hole 8 plume, and existing building sumps (mercury and strontium contamination). Additional actions include installation of sumps and repair of junction boxes in the vicinity of the Core Hole 8 plume. New groundwater treatment facilities and associated conveyance piping will be constructed as part of this alternative.

Proposed groundwater actions under Alternative W-3 include the installation of a groundwater monitoring well to the west of SWSA 3 to monitor ongoing conditions of groundwater at the site. No groundwater treatment is proposed under Alternative W-3.

The objective of the BV Groundwater Action is to install extraction and treatment and groundwater monitoring systems to support implementation of Alternatives C-3 and W-3 of the Bethel Valley RI/FS and achieve the objectives therein as follows:

- C-3: to minimize the size of existing groundwater plumes while protecting surface water, achieving Ambient Water Quality Criteria (AWQC), and achieving a 45% risk reduction based on 1993/1994 levels in surface water exiting the Bethel Valley Watershed;
- W-3: to prevent groundwater from causing surface water exceedances, maintaining AWQC, maintaining surface water bodies to recreational risk-based levels, and maintaining protection for area-level ecological populations

m) BV Inactive Tanks and Pipelines - The objective of this subproject is to limit any potential future migration of contaminants through inactive pipelines and bedding materials by blocking the conduits for contaminant transport to the neighboring media and to stabilize tank shells. Following

---

Dataset Name: **FY 1999 Planning Data**

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

Page 3 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

## Project Description Narratives

approval of the Bethel Valley Watershed ROD, the final Remedial Action will be performed on the tanks, pipelines, and bedding materials within the scope of the project. Current remediation plans for the North and South Tank Farms require the construction debris and tank platforms to be dismantled and placed in the tanks, the tanks filled with a flowable fill mixture for stabilization, and the North and South Tank Farm sites covered with an asphalt cap.

n) Off-Plant Soils - The objective of this subproject is to remediate sites with known soil or associated contamination which are located outside of the Bethel Valley Watershed ROD boundary. Preliminary identification and limited sampling was conducted under the Footprint Reduction/Site Evaluation project at sites included in the scope of this project. CERCLA Removal Actions and one non-CERCLA maintenance action will be implemented at sites under this project. As a result of the Removal Actions or Maintenance Actions, final disposition of the sites will be as NFA.

o) BV Well Plugging & Abandonment (P&A) - The objective of the BV Well P&A subproject is to plug and abandon groundwater monitoring wells that are no longer required for present or future groundwater monitoring in the BV Watershed. There are currently approximately 377 groundwater-monitoring wells within the BV Watershed. A total of approximately 229 of these monitoring wells have been identified for P&A. These 229 wells include approximately 16,250 linear feet requiring P&A.

p) BV Sediments - Sediment will be removed from White Oak Creek to protect the unrestricted industrial worker from exposure to radiation. Because of the potential for clean sediment to be decontaminated by site sources, this project will be performed after all other Bethel Valley source removal activities have been completed.

q) BV Contaminated Soils - The objective of this subproject is to remove soil to protect the unrestricted industrial worker from exposure to radiation.

r) BV SWSA 1 Remediation - The objective of this subproject is to install a multilayer cap on SWSA 1 to protect the unrestricted industrial worker from exposure to radiation.

s) BV SWSA 3 Remediation - The objective of this subproject is to remove soil to protect the unrestricted industrial worker from exposure to radiation.

### Project Status in FY 2006:

Melton Valley Record of Decision: The Remedial Design Work Plan modification will be completed.

MV Burial Grounds: The SWSA 5 Remedial Design/Remedial Action Work Plan and remedial action will be initiated. The SWSA 6 Remedial Action will be completed, and the Remedial Action Report will be initiated.

MV Liquid Waste Disposal Sites: Remedial action will be completed in FY 2006.

MV Soils and Sediments: Remediation of the impoundments, hot spots, and cesium areas will have been completed. The White Oak Creek/White Oak Lake subproject will be initiated.

MV TRU Waste Disposal Sites: Remedial action will be continuing.

MV Footprint Reduction: This project is scheduled for completion in FY 2002.

Bethel Valley Record of Decision: The BV ROD will be completed in FY 2001 with the development of a Remedial Design Work Plan for all of the clean-up actions associated with the ROD.

---

Dataset Name: **FY 1999 Planning Data**

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

Page 4 of 64

# *Project Baseline Summary Report*

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

## **Project Description Narratives**

BV FFA Tanks Project: Sludge transfers and selected tank stabilization will be completed by FY 2002. S&M of the tank shells will continue under this project until FY 2006. By the end of FY 2006, all of the inactive LLLW tanks should be stabilized, thus requiring no further S&M.

BV Gunite and Associated Tanks Project: This project will be completed in FY 2002 with the completion of sludge transfers to Melton Valley.

ORNL Main Plant Surface Impoundments: This project is scheduled for completion in FY 2002.

BV Core Hole 8 Plume Source: This project is scheduled for completion in FY 2001.

BV Groundwater Action: This project is scheduled for completion in FY 2005.

BV Inactive Tanks and Pipelines: This project will be completed in FY 2006, with stabilization of all remaining LLLW inactive tanks including the Gunite Tank shells.

Off-Plant Soils: The EE/CA and Action Memorandum will be complete. Preparation of the RFP will be approximately 60% complete.

BV Well Plugging & Abandonment: This project is scheduled for completion in FY 2005.

BV Sediments: Remedial action will be 25% complete.

BV Soils: Remedial action will be 87% complete.

BV SWSA 1 Remediation: This project is scheduled for completion in FY 2005.

BV Footprint Reduction: This project will be completed in FY 2006. This project will determine if additional remedial actions will be required at Freel's Bend and Walker Branch study areas.

BV SWSA 3 Remediation: Remedial action for this project will be 50% complete.

### **Post-2006 Project Scope:**

Melton Valley Record of Decision: Activities include completing the No Further Action Record of Decision.

MV Burial Grounds: Activities include closing out SWSA 5 and SWSA 6.

MV Liquid Waste Disposal Sites: Project closeout activities will be performed.

MV Soils and Sediments: Activities include completing this project, with White Oak Creek/White Oak Lake remediation being the only active area remaining.

---

Dataset Name: **FY 1999 Planning Data**

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

Page 5 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

## Project Description Narratives

MV TRU Waste Disposal Sites: Activities include completing remedial action and project closeout.

Off-Plant Soils: Activities include completing the procurement process, preparing the Removal Action Work Plan, performing the removal action, preparing the Removal Action Report, and performing subcontract and project close-out.

BV Sediments: Activities include completing the final 75% of remedial action, preparing the Remedial Action Report, and performing subcontract and project close-out.

BV Soils: Activities include completing the final 13% of remedial action, preparing the Remedial Action Report, and performing subcontract and project close-out.

BV SWSA 3 Remediation: Activities include completing the last 50% of remedial action, preparing the Remedial Action Report, and performing subcontract and project closeout.

### Project End State

Cleanup of the ORNL Melton Valley does not allow for unrestricted use; however it does ensure protection for receptors under present and anticipated land uses. These land uses include controlled industrial in the eastern portion and restricted waste management in areas near the major Solid Waste Storage Areas where large inventories of waste will be hydrologically isolated and left in place under long-term institutional control. It also includes recreational land use for waters of the State and associated floodplain areas. Numeric Ambient Water Quality Criteria for Recreation and Fish and Aquatic Life Use classifications and narrative criteria for Recreation, Fish and Aquatic Life, Irrigation, and Livestock Watering and Wildlife Use classifications will be met in all surface waters located in Melton Valley. Concentrations of contaminants being released to the Clinch River will be reduced through radioactive decay so that in approximately 60-100 years the Safe Drinking Water Act Maximum Contaminant Levels will be met. Following completion of all source actions, compliance with MCLs will be met at an appropriate groundwater location or a waiver will be requested as appropriate.

For the purpose of the PBS submittals, it was assumed that the cleanup levels for the central area of ORNL in Bethel Valley would be controlled industrial use. For the west and east sections of Bethel Valley, it was assumed that the cleanup levels will be unrestricted in dustrial use. Under the cleanup scenarios for all of Bethel Valley, it is assumed that use of groundwater is restricted. In the central area of the plant, the soils and sediments will be cleaned up to two-feet below final grade. No deep radiologically-contaminated soil below two-feet will be removed from the central plant area. In the west and east ends of Bethel Valley, it is assumed that the buried waste and contaminated soil will be removed. The abandoned LLLW pipelines, abandoned LLLW tanks, and bedding materials will be grouted in place.

### Cost Baseline Comments:

The DOE EM Life Cycle Baseline that was recently issued in draft form from Bechtel Jacobs Company to DOE-ORO is the cost basis for the PBS. Following development of scope statements, several methods were used for creating the cost estimates in the Life Cycle Baseline: use of cost estimating models, use of existing estimates, use of unit-price estimates, and extrapolation estimates. These are discussed below.

---

Dataset Name: **FY 1999 Planning Data**

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

Page 6 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

## Project Description Narratives

1. Cost Estimating Models - Cost estimating models were developed for use on the majority of new Remedial Action, Decommissioning & Decontamination, and Surveillance & Maintenance projects. These innovative models were prepared using the government-accepted RACER cost database or were based on historical cost data for similar local work. These models were utilized when no other estimates exist, 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. Approximately forty-five subprojects were estimated using this modeling approach.
2. Existing Estimates - Existing estimates were also used. These estimates range in quality from detailed Feasibility Study estimates to one-line entry estimates. Regardless of the level of existing estimate detail, these estimates were reviewed for accuracy and modified as required to adequately qualify the line-item cost data.
3. Unit-Price Estimates (Parametric) - Unit-price estimates, which are typically derived from historical cost data and are based on cost estimating relationships, were also used. For example, if roofing replacement had historically cost approximately \$10/ft<sup>2</sup> at a particular site, it is an acceptable practice for that site to use a unit cost of \$10/ft<sup>2</sup> for estimating the price of any new similar roof replacement projects. However, as with the case of using existing estimates, a complete description of the new roof, a basis for the estimated pricing of the new roof, and what is and is not included in the unit-price estimate (i.e., characterization, containerization of wastes, etc.), was documented.
4. Extrapolation Estimates - Extrapolation estimates were typically derived from historical cost data and based on a required level of effort to perform a task or upon a historical production quantity. One example of an extrapolation estimate might be an estimate for the operation of a waste handling facility. In this example, the only available data might be the quantity of wastes handled per year and some historical costs for the different sub-operations of the facility over a given duration. To prepare a new estimate for planned out-year operations, extrapolations of these actual costs would be adjusted with logic from more recent cost trends and the Managing & Integrating Contractor approach/expectations.

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:

ORNL Melton Valley contains areas with high inventories of radioactive waste. Long half-life radionuclides pose a future potential risk for several areas. Several source areas contribute the majority of the tritium, strontium-90, and cesium-137 to surface water in concentrations that result in unacceptable risk levels at the point of discharge to the Clinch River and at points downstream. Several locations in White Oak Creek, Melton Branch, and other streams in the watershed exceed AWQC and recreational risk-based levels. Radiologically-contaminated surface soils are a significant problem exceeding the EPA target risk range for a recreational user or maintenance worker. The primary contaminants are cesium-137 and cobalt-60. Plutonium-239/240 is also of ecological concern. Radiological contaminants dominate the human health risk assessment; however, chemical contaminants detected in soil and sediment contribute to risk in several areas. Chemical contaminants (mainly mercury, nickel, chromium, PCBs, selenium, and molybdenum) dominate in the ecological risk assessment. Hydrofracture wastes and wells are a long-term site management problem. Groundwater exceeds regulatory limits throughout much of the Melton Valley Watershed.

ORNL Bethel Valley contains similar hazards to Melton Valley. The major contaminants of concern are Sr-90 and Cs-137 in the soil and groundwater. However, due to ORNL being a research laboratory, numerous other isotopes have been identified in the soil and groundwater at ORNL. The radiological hazards pose a further risk to the environment through continued migration. The hazards to the workers include radiological exposure from inhalation, contact, and general exposure.

---

Dataset Name: **FY 1999 Planning Data**

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

Page 7 of 64

# Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Oak Ridge

Site Summary Level: Oak Ridge Reservation

Project OR-321 / ORNL Remedial Action - Def

Report Number: GEN-01b

Print Date: 3/9/2000

HQ ID: 0095

---

## Project Description Narratives

### Safety & Health Work Performance:

The Integrated Safety Management System will be used on all projects to ensure that work is performed safely. The scope of work will be defined in subcontract or other work planning documents. Mission goals and expectations will be defined in the scope of work. Hazards will be analyzed and identified by both the Bechtel Jacobs Environmental Safety and Health (ES&H) Team and the subcontractor's Safety and Health personnel. An ES&H crosswalk has been developed as a tool to document environmental, safety, and health hazards for each subcontract. Controls are developed and implemented by identifying the standards and requirements using the Work Smart Standards and these standards are included as part of the ES&H crosswalk. After the hazards and the method of work accomplishment are identified, an Activity Hazard Assessment (AHA) is required for each activity or task. Work cannot be performed until all of the required safety documentation is completed and reviewed for accuracy. Workers must also be properly trained and participate in pre-job reviews. Workers are required to review the applicable AHAs as well as attend daily safety meetings. Feedback and improvement are included in each step of the Integrated Safety Management System. Changes to improve worker safety as well as worker involvement in safety are included as part of the feedback and improvement process. At any time workers can stop a work activity if there are questions about safety. In addition, the Bechtel Jacobs ES&H Team will conduct oversight of work activities to identify compliance with safety plans, improvement of worker safety, and any additional or unforeseen hazards.

### 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	N	N	N	N	N	Y	Y

## Project Identification Information

---

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Page 8 of 64

# 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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## General PBS Information

**DOE Project Manager:** Cavanaugh Mims  
**DOE Project Manager Phone Number:** 423-576-9481  
**DOE Project Manager Fax Number:** 423-576-5333  
**DOE Project Manager e-mail address:** mimsc@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)	288,845	113,433	402,278	4,337	9,652	2,254	2,966		25,882	19,039	26,418	25,306	43,244	64,894	77,471
PBS Baseline (constant 1999 dollars)	261,557	94,277	355,834	4,337	9,652	2,254	2,966		25,350	18,264	24,821	23,287	38,976	57,286	66,982
PBS EM Baseline (current year dollars)	288,845	113,433	402,278	4,337	9,652	2,254	2,966		25,882	19,039	26,418	25,306	43,244	64,894	77,471
PBS EM Baseline (constant 1999 dollars)	261,557	94,277	355,834	4,337	9,652	2,254	2,966		25,350	18,264	24,821	23,287	38,976	57,286	66,982

  

	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)	67,847	25,211	8,691	2,379	9,305	0	0	0	0	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	57,455	20,910	7,060	1,893	6,959	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	67,847	25,211	8,691	2,379	9,305	0	0	0	0	0	0	0	0	0	0	0

Dataset Name: **FY 1999 Planning Data**

Page 9 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

	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 (constant 1999 dollars)	57,455	20,910	7,060	1,893	6,959	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%		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: 2/4/2013

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:	9,652	Actual 1998 Cost:	2,966
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	-12,618	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):	-341	
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	-12,959			

### Project Cost Changes

Cost Adjustments    Reconciliation Narratives

Cost Change Due to Scope Deletions (-):

Dataset Name: **FY 1999 Planning Data**

Page 10 of 64

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Project Reconciliation

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: -12,959  
 Additional Amount to Reconcile (+): 362,202

---

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): **349,243**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
MV BG, SWSA 4 - SUBMIT DRAFT RDR/RAWP DRAFT TO REGS FOR REVIEW	OR321-002		5/17/2001	5/15/2001			Y				
MV ROD - ACL DRAFT TO REGS FOR RVW	OR321-004		7/15/1999								
MV ROD - SUBMIT DRAFT RDWP DRAFT TO REGS FOR REVIEW	OR321-005		3/13/2000	2/15/2000			Y				
MV ROD - SUBMIT DRAFT LUCIP DRAFT TO REGS FOR REVIEW	OR321-006		2/21/2000								
MV ROD - SUBMIT DRAFT RDWP MOD TO REGS FOR REVIEW	OR321-007		8/16/2005								
MV ROD - SUBMIT DRAFT WAG 13 PP TO REGS FOR REVIEW	OR321-008		6/14/2000								
MV ROD - SUBMIT DRAFT WAG 13 ROD REVISION TO REGS FOR REVIEW	OR321-009		1/16/2001							Y	
MV ROD - SUBMIT DRAFT WAG 13 RDWP MOD TO REGS FOR REVIEW	OR321-010		6/22/2001								
MV ROD - SUBMIT NFA ROD TO REGS FOR REVIEW	OR321-011		8/29/2012								

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
MV BG, SWSA 4 - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-012		9/5/2001								
MV BG, SWSA 4 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-013		1/16/2004								
MV BG, SWSA 4 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-014		6/3/2004								
MV BG, SWSA 5 SOUTH - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-015		5/16/2006								
MV BG, SWSA 5 SOUTH - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-016		9/18/2006								
MV BG, SWSA 5 SOUTH - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-017		8/19/2009								
MV BG, SWSA 5 SOUTH - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-018		2/22/2010								
MV BG, SWSA 6 - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-019		8/14/2003								
MV BG, SWSA 6 - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-020		1/26/2004								
MV BG, SWSA 6 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-021		5/4/2006								
MV BG, SWSA 6 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-022		9/21/2006								
MV S&S, IMPOUNDMENTS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-023		3/1/2002								
MV S&S, IMPOUNDMENTS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-024		8/7/2002								
MV S&S, IMPOUNDMENT - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-025		11/6/2003								

Dataset Name: **FY 1999 Planning Data**

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
MV S&S, IMPOUNDMENTS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-026		3/29/2004								
MV S&S, HOT SPOTS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-027		4/15/2002								
MV S&S, HOT SPOTS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-028		9/19/2002								
MV S&S, HOT SPOTS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-029		9/17/2004								
MV S&S, HOT SPOTS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-030		3/8/2005								
MV S&S, CESIUM AREAS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-031		10/15/2003								
MV S&S, CESIUM AREAS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-032		3/24/2004								
MV S&S, CESIUM AREAS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-033		8/2/2004								
MV S&S, CESIUM AREAS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-034		12/17/2004								
MV S&S, WOC/WOL SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-035		4/26/2010								
MV S&S, WOC/WOL - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-036		9/30/2010								
MV S&S, WOC/WOL - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-037		10/27/2011								
MV S&S, WOC/WOL - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-038		3/19/2012								
MV LWDS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-039		5/14/2003								

Dataset Name: **FY 1999 Planning Data**

Page 13 of 64

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
MV LWDS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-040		10/20/2003								
MV LWDS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-041		5/31/2006								
MV LWDS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-042		10/17/2006								
MV TRU - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-043		7/22/2004								
MV TRU - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-044		12/28/2004								
MV TRU - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-045		3/31/2008								
MV TRU - SUBMIT DRAFT RDR TO REGS FOR REVIEW	OR321-046		8/15/2008								
MV FR, BURIED SCRAP METAL 496 - SUBMIT FINAL REPORT TO REGS	OR321-047		3/25/2002								
MV FR, REACTIVE CHEMS, SOIL INJECTION - SUBMIT FINAL REPORT TO REGS	OR321-048		4/9/2002								
MV FR, CONTRACTORS LANDFILL 7658- SUBMIT FINAL REPORT TO REGS	OR321-049		5/7/2002								
MV FR, STRONTIUM & TITANATE AREA- SUBMIT FINAL REPORT TO REVIEW	OR321-050		9/3/1999								
BV ROD- SUBMIT DRAFT ROD TO REGS FOR REVIEW	OR321-051		12/17/1999	6/30/2000			Y			Y	
BV ROD- SUBMIT DRAFT RDWP TO REGS FOR REVIEW	OR321-052		5/15/2000	1/15/2001			Y				
BV FFA TANKS, SUBMIT DRAFT FY 2001 ANNUAL IMPL PLAN TO REGS FOR REVIEW	OR321-053		6/30/2000	6/30/2000			Y				

Dataset Name: **FY 1999 Planning Data**

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
BV FFA TANKS, INTERIM RA COMPLETE	OR321-054		3/19/2001								
BV GAAT-SUBMIT DRAFT INTERIM RAR TO REGS FOR REVIEW	OR321-056		7/30/2001	7/30/2001			Y				
BV SIOU-CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-058		11/5/1999								
BV SIOU - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-059		5/25/2001	9/17/2001			Y				
BV CH8 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-060		11/5/1999								
BV CH8 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-061		2/11/2000	4/11/2000			Y				
BV GW - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-062		4/23/2004								
BV GW - SUBMIT DRAFT RDR/RAWP TO REGS FOR RVW	OR321-063		5/17/2002								
BV GW - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-064		12/9/2002								
BV GW - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-065		12/8/2003								
BV ITP - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-066		1/15/2004								
BV ITP - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-067		8/5/2004								
BV ITP- CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-068		10/14/2005								
BV ITP - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-069		3/3/2006								
BV OPS - SUBMIT DRAFT EE/CA TO REGS FOR	OR321-070		2/24/2006								

Dataset Name: **FY 1999 Planning Data**

Page 15 of 64

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
REVIEW											
BV OPS - SUBMIT DRAFT AM TO REGS FOR REVIEW	OR321-071		7/18/2006							Y	
BV OPS-SUBMIT DRAFT RmAWP TO REGS FOR REVIEW	OR321-072		8/28/2007								
BV OPS- CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-073		3/24/2008								
BV OPS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-074		9/18/2008								
BV OPS-SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR321-075		2/5/2009								
BV SR - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-076		10/30/2007								
BV SR - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-077		11/22/2005								
BV SR- CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-078		6/16/2006								
BV SR - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-079		6/15/2007								
BV CSR - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-080		11/20/2003								
BV CSR - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-081		6/15/2004								
BV CSR - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-082		1/31/2007								
BV CSR - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-083		6/14/2007								
BV BWC - SUBMIT DRAFT RDR/RAWP TO REGS	OR321-084		11/20/2002								

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
FOR REVIEW											
BV BWC - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-085		6/14/2004								
BV BWC - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-086		10/27/2004								
BV FR - SUBMIT EVALUATION REPORT TO REGS FOR REVIEW, D1	OR321-087		6/27/2005								
BV SWSA 3 - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-089		3/21/2005								
BV SWSA 3 - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-090		10/10/2005								
BV SWSA 3 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-091		10/9/2007								
BV SWSA 3 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-092		2/26/2008								
ORNL REMEDIAL ACTION DEF - PROJECT START	OR321-093		10/1/1996								
ORNL REMEDIAL ACTION DEF - PROJECT END	OR321-094		2/4/2013								
BV ITP, GT - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-095		2/15/2001								
BV ITP, GT - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-096		9/6/2001								
BV ITP, GT - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-097		5/20/2002								
BV ITP, GT - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-098		10/3/2002								
ORNL Remedial Action - Def Mission Completion	OR321-098		2/4/2013								

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MV BG, SWSA 4 - SUBMIT DRAFT RDR/RAWP DRAFT TO REGS FOR REVIEW	OR321-002										MV BURIAL GROUNDS, SWSA 4 - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV ROD - ACL DRAFT TO REGS FOR RVW	OR321-004										MELTON VALLEY ROD - SUBMIT DRAFT ALTERNATE CONCENTRATION LIMIT TO REGS FOR REVIEW, D1
MV ROD - SUBMIT DRAFT RDWP DRAFT TO REGS FOR REVIEW	OR321-005										MELTON VALLEY ROD - SUBMIT DRAFT REMEDIAL DESIGN WORK PLAN TO REGS FOR REVIEW, D1
MV ROD - SUBMIT DRAFT LUCIP DRAFT TO REGS FOR REVIEW	OR321-006										MELTON VALLEY ROD - SUBMIT DRAFT LAND USE CONTROL IMPLEMENTATION PLAN TO REGS FOR REVIEW, D1
MV ROD - SUBMIT DRAFT RDWP MOD TO REGS FOR REVIEW	OR321-007										MELTON VALLEY ROD - SUBMIT DRAFT REMEDIAL DESIGN WORK PLAN MODIFICATION TO REGS FOR REVIEW, D1
MV ROD - SUBMIT DRAFT WAG 13 PP TO REGS FOR REVIEW	OR321-008										MELTON VALLEY ROD - SUBMIT DRAFT WAG 13 PROPOSED PLAN TO REGS FOR REVIEW, D1
MV ROD - SUBMIT DRAFT WAG 13 ROD REVISION TO REGS FOR REVIEW	OR321-009										MELTON VALLEY ROD - WAG 13 SIGNIFICANT DIFFERENCE - SUBMIT DRAFT WAG 13 ROD REVISION TO REGS FOR REVIEW, D1

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MV ROD - SUBMIT DRAFT WAG 13 RDWP MOD TO REGS FOR REVIEW	OR321-010										MELTON VALLEY ROD - SUBMIT DRAFT WAG 13 REMEDIAL DESIGN WORK PLAN MODIFICATION TO REGS FOR RVW, D1
MV ROD - SUBMIT NFA ROD TO REGS FOR REVIEW	OR321-011										MELTON VALLEY ROD - SUBMIT NO FURTHER ACTION ROD TO REGS FOR REVIEW, D1
MV BG, SWSA 4 - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-012										MELTON VALLEY BURIAL GROUNDS, SWSA 4 - REMEDIAL ACTION START
MV BG, SWSA 4 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-013		Y				2	1	1		MV BURIAL GROUNDS, SWSA 4 - REMEDIAL ACTION COMPLETE
MV BG, SWSA 4 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-014										MV BURIAL GROUNDS, SWSA 4, SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV BG, SWSA 5 SOUTH - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-015										MV BURIAL GROUNDS, SWSA 5 SOUTH, SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO RE
MV BG, SWSA 5 SOUTH - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-016										MV BURIAL GROUNDS, SWSA 5 SOUTH REMEDIAL ACTION START
MV BG, SWSA 5 SOUTH - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-017										MV BURIAL GROUNDS, SWSA 5 SOUTH REMEDIAL ACTION COMPLETE

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
ACTION COMPLETE											
MV BG, SWSA 5 SOUTH - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-018										MV BURIAL GROUNDS, SWSA 5 SOUTH, SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV BG, SWSA 6 - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-019										MV BURIAL GROUNDS, SWSA 6 - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1.
MV BG, SWSA 6 - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-020										MELTON VALLEY BURIAL GROUNDS, SWSA 6 - REMEDIAL ACTION START
MV BG, SWSA 6 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-021										MV BURIAL GROUNDS, SWSA 6 - REMEDIAL ACTION COMPLETE
MV BG, SWSA 6 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-022										MV BURIAL GROUNDS, SWSA 6, SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV S&S, IMPOUNDMENTS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-023										MV SOILS & SEDIMENTS, IMPOUNDMENTS - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV S&S, IMPOUNDMENTS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-024										MV SOILS & SEDIMENTS, IMPOUNDMENTS - REMEDIAL ACTION START

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MV S&S, IMPOUNDMENT - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-025										MV SOILS & SEDIMENTS, IMPOUNDMENT - REMEDIAL ACTION COMPLETE
MV S&S, IMPOUNDMENTS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-026										MV SOILS & SEDIMENTS, IMPOUNDMENTS - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV S&S, HOT SPOTS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-027										MV SOILS & SEDIMENTS, HOT SPOTS - SUBMIT DRAFT REMEDIAL ACTION REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV S&S, HOT SPOTS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-028										MV SOILS & SEDIMENTS, HOT SPOTS - REMEDIAL ACTION START
MV S&S, HOT SPOTS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-029										MV SOILS & SEDIMENTS, HOT SPOTS - REMEDIAL ACTION COMPLETE
MV S&S, HOT SPOTS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-030										MV SOILS & SEDIMENTS, HOT SPOTS - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV S&S, CESIUM AREAS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-031										MV SOILS & SEDIMENTS, CESIUM AREAS - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MV S&S, CESIUM AREAS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-032										REVIEW, D1
MV S&S, CESIUM AREAS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-033										MV SOILS & SEDIMENTS, CESIUM AREAS - REMEDIAL ACTION COMPLETE
MV S&S, CESIUM AREAS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-034										MV SOILS & SEDIMENTS, CESIUM AREAS - SUBMIT DRAFT REMEDIAL ACTION REPORT RO REGS FOR REVIEW, D1
MV S&S, WOC/WOL SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-035										MV SOILS & SEDIMENTS, WHITE OAK CREEK/WHITE OAK LAKE - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV S&S, WOC/WOL - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-036										MV SOILS & SEDIMENTS, WHITE OAK CREEK/WHITE OAK LAKE - REMEDIAL ACTION START
MV S&S, WOC/WOL - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-037										MV SOILS & SEDIMENTS, WHITE OAK CREEK/WHITE OAK LAKE - REMEDIAL ACTION COMPLETE
MV S&S, WOC/WOL - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-038										MV SOILS & SEDIMENTS, WHITE OAK CREEK/WHITE OAK LAKE - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MV LWDS - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-039										REVIEW, D1 MV LIQUID WASTE DISPOSAL SITES - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV LWDS - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-040										MV LIQUID WASTE DISPOSAL SITES-REMEDIAL ACTION START
MV LWDS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-041										MV LIQUID WASTE DISPOSAL SITES - REMEDIAL ACTION COMPLETE
MV LWDS - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-042										MV LIQUID WASTE DISPOSAL SITES - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
MV TRU - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-043										MV TRU WASTE DISPOSAL SITES - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
MV TRU - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-044										MV TRU WASTE DISPOSAL SITES - REMEDIAL ACTION START
MV TRU - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-045										MV TRU WASTE DISPOSAL SITES - REMEDIAL ACTION COMPLETE.
MV TRU - SUBMIT DRAFT RDR TO REGS FOR REVIEW	OR321-046										MV TRU WASTE DISPOSAL SITES - SUBMIT DRAFT

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MV FR, BURIED SCRAP METAL 496 - SUBMIT FINAL REPORT TO REGS	OR321-047										REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1.
MV FR, REACTIVE CHEMS, SOIL INJECTION - SUBMIT FINAL REPORT TO REGS	OR321-048										MV FOOTPRINT REDUCTION, BURIED SCRAP METAL 496 - SUBMIT FINAL REPORT TO REGS
MV FR, CONTRACTORS LANDFILL 7658- SUBMIT FINAL REPORT TO REGS	OR321-049										MV FOOTPRINT REDUCTION, CONTRACTORS LANDFILL 7658- SUBMIT FINAL REPORT TO REGS
MV FR, STRONTIUM & TITANATE AREA- SUBMIT FINAL REPORT TO REVIEW	OR321-050										MV FOOTPRINT REDUCTION, STRONTIUM & TITANATE AREA -SUBMIT FINAL REPORT TO REGS
BV ROD- SUBMIT DRAFT ROD TO REGS FOR REVIEW	OR321-051		Y				3	1	1		BETHEL VALLEY ROD-SUBMIT DRAFT RECORD OF DECISION TO REGS FOR RVW, D1
BV ROD- SUBMIT DRAFT RDWP TO REGS FOR REVIEW	OR321-052										BV ROD - SUBMIT DRAFT REMEDIAL DESIGN WORK PLAN TO REGS FOR REVIEW, D1
BV FFA TANKS, SUBMIT DRAFT FY 2001 ANNUAL IMPL PLAN TO REGS FOR REVIEW	OR321-053										BV FFA TANKS-TRANSMIT DRAFT FY 2001 IMPLEMENTATION PLAN TO REGS FOR REVIEW, D1
BV FFA TANKS, INTERIM RA COMPLETE	OR321-054										BV FFA TANKS-INTERIM REMEDIAL ACTION COMPLETE, REMOVE EQUIPMENT FROM TANK W-9 PLATFORM

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
BV GAAT-SUBMIT DRAFT INTERIM RAR TO REGS FOR REVIEW	OR321-056										BV GUNITE AND ASSOCIATED TANKS-SUBMIT DRAFT INTERIM REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
BV SIOU-CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-058										BV SURFACE IMPOUNDMENTS A&B-REMEDIAL ACTION START (PH III, IV, V)
BV SIOU - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-059										BV SURFACE IMPOUNDMENTS A&B - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1.
BV CH8 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-060										BV COREHOLE 8 PLUME SOURCE - REMOVAL ACTION COMPLETE
BV CH8 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-061										BV COREHOLE 8 PLUME SOURCE- SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
BV GW - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-062										BV GROUNDWATER ACTION-SUBMIT DRAFT REMOVAL ACTION
BV GW - SUBMIT DRAFT RDR/RAWP TO REGS FOR RVW	OR321-063										BV GROUNDWATER ACTION - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV GW - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-064										BV GROUNDWATER ACTION - REMEDIAL ACTION START
BV GW - CORRECTIVE	OR321-065										BV GROUNDWATER ACTION -

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
MEASURES/REMEDIAL ACTION COMPLETE											REMEDIAL ACTION COMPLETE
BV ITP - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-066										BV INACTIVE TANKS & PIPELINES-SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV ITP - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-067										BV INACTIVE TANKS & PIPELINES -REMEDIAL ACTION START
BV ITP- CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-068										BV INACTIVE TANKS & PIPELINES -REMEDIAL ACTION COMPLETE
BV ITP - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-069										BV INACTIVE TANKS & PIPELINES-SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
BV OPS - SUBMIT DRAFT EE/CA TO REGS FOR REVIEW	OR321-070										BV OFF-PLANT SOIL REMEDIATION - SUBMIT DRAFT ENGINEERING EVALUATION/COST ASSESSMENT TO REGS FOR REVIEW, D1
BV OPS - SUBMIT DRAFT AM TO REGS FOR REVIEW	OR321-071										BV OFF-PLANT SOIL REMEDIATION -SUBMIT DRAFT ACTION MEMORANDUM TO REGS FOR REVIEW, D1
BV OPS-SUBMIT DRAFT RmAWP TO REGS FOR REVIEW	OR321-072										BV OFF-PLANT SOIL REMEDIATION -SUBMIT DRAFT REMOVAL ACTION WORK PLAN TO REGS FOR REVIEW, D1

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
BV OPS- CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-073										BV OFF-PLANT SOIL REMEDIATION-REMOVAL ACTION START
BV OPS - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-074										BV OFF-PLANT SOIL REMEDIATION - REMOVAL ACTION COMPLETE
BV OPS-SUBMIT DRAFT RmAR TO REGS FOR REVIEW	OR321-075										BV OFF-PLANT SOIL REMEDIATION-SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
BV SR - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-076										BV SEDIMENT REMOVAL - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
BV SR - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-077										BV SEDIMENT REMOVAL - SUBMIT DRAFT SR REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV SR- CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-078										BV SEDIMENT REMOVAL- REMEDIAL ACTION START
BV SR - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-079										BV SEDIMENT REMOVAL - REMEDIAL ACTION COMPLETE
BV CSR - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-080										BV CONTAMINATED SOIL REMOVAL - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
BV CSR - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-081										BV CONTAMIANATED SOIL REMOVAL - REMEDIAL ACTION START
BV CSR - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-082										BV CONTAMINATED SOIL REMOVAL - REMEDIAL ACTION COMPLETE
BV CSR - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-083										BV CONTAMIANATED SOIL REMOVAL - SUBMIT DRAFT REMOVAL ACTION REPORT TO REGS FOR REVIEW, D1
BV BWC - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-084										BV BURIED WASTE CONTAINMENT - DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV BWC - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-085										BV BURIED WASTE CONTAINMENT - REMEDIAL ACTION COMPLETE
BV BWC - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-086										BV BURIED WASTE CONTAINMENT - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
BV FR - SUBMIT EVALUATION REPORT TO REGS FOR REVIEW, D1	OR321-087										BV FOOTPRINT REDUCTION - SUBMIT EVALUATION REPORT TO REGS FOR REVIEW, D1
BV SWSA 3 - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-089										BV SWSA 3 - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
BV SWSA 3 - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-090										BV SWSA 3 REMEDIATION - REMEDIAL ACTION START
BV SWSA 3 - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-091										BV SWSA 3 REMEDIATION- REMEDIAL ACTION COMPLETE
BV SWSA 3 - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-092										BV SWSA 3 REMEDIAITON - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR REVIEW, D1
ORNL REMEDIAL ACTION DEF - PROJECT START	OR321-093			Y							ORNL REMEDIAL ACTION DEF - PROJECT START DATE FOR THE PBS
ORNL REMEDIAL ACTION DEF - PROJECT END	OR321-094				Y						ORNL REMEDIAL ACTION DEF - PROJECT END DATE FOR PBS
BV ITP, GT - SUBMIT DRAFT RDR/RAWP TO REGS FOR REVIEW	OR321-095										BV INACTIVE TANKS & PIPELINES, GUNITE TANKs - SUBMIT DRAFT REMEDIAL DESIGN REPORT/REMEDIAL ACTION WORK PLAN TO REGS FOR REVIEW, D1
BV ITP, GT - CORRECTIVE MEASURES/REMEDIAL ACTION START	OR321-096										BV INACTIVE TANKS & PIPELINES, GUNITE TANKS - REMEDIAL ACTION START
BV ITP, GT - CORRECTIVE MEASURES/REMEDIAL ACTION COMPLETE	OR321-097										BV INACTIVE TANKS & PIPELINES, GUNITE TANKS - REMEDIAL ACTION COMPLETE
BV ITP, GT - SUBMIT DRAFT RAR TO REGS FOR REVIEW	OR321-098										BV INACTIVE TANKS & PIPELINES, GUNITE TANKS - SUBMIT DRAFT REMEDIAL ACTION REPORT TO REGS FOR

Dataset Name: **FY 1999 Planning Data**

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
ORNL Remedial Action - Def Mission Completion	OR321-098					Y					REVIEW, D1

## 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
<b>RS</b>														
Assess.	NR	183.00	7.00	190.00		12.00	15.00	3.00	70.00	85.00	4.00	6.00		
<b>RS</b>														
Cleanup	NR	173.00	37.00	210.00			3.00	3.00	3.00	7.00	11.00	6.00	73.00	18.00
<b>Fac.</b>														
Decom.- Assess.	NF	47.00	0.00	47.00	1.00				5.00	42.00				
<b>Fac.</b>														
Decom- Cleanup	NF	30.00	18.00	48.00			1.00			1.00	5.00		5.00	1.00
<b>TRU</b>														
Storage	M3													
<b>LLW</b>														
Storage	M3									0.00	67.80	67.80	67.80	67.80
<b>LLW</b>														
Ship to DOE Disp.	M3	5,466.00	1,058.80	6,524.80	0.00		0.00			2,356.00	1,269.00			425.00
<b>Rem. Waste</b>														
Disposed	M3	3,187.90	2,898.80	6,086.70					641.00	55.00			0.00	0.00

# 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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
<b>Tech.</b>														
Deployed	Ntd	3.00	0.00	3.00						3.00				
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	
<b>RS</b>														
Assess.	NR		3.00		7.00									
<b>RS</b>														
Cleanup	NR	18.00	28.00	24.00	12.00	11.00	7.00	5.00	2.00					
<b>Fac.</b>														
Decom.- Assess.	NF													
<b>Fac.</b>														
Decom- Cleanup	NF	1.00		18.00	6.00	12.00								
<b>TRU</b>														
Storage	M3													
<b>LLW</b>														
Storage	M3	67.80	67.80	67.80	0.00									
<b>LLW</b>														
Ship to DOE Disp.	M3	425.00	708.00	708.00	775.80	283.00								
<b>Rem. Waste</b>														
Disposed	M3	0.00	14.00	2,477.90	2,477.90	420.90								
<b>Tech.</b>														
Deployed	Ntd													

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

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
<b>RS</b>										
Assess.	NR								9.00	216.00
<b>RS</b>										
Cleanup	NR									216.00
<b>Fac.</b>										
Decom.- Assess.	NF								1.00	49.00
<b>Fac.</b>										
Decom- Cleanup	NF									49.00
<b>TRU</b>										
Storage	M3									
<b>LLW</b>										
Storage	M3									
<b>LLW</b>										
Ship to DOE Disp.	M3									6,524.80
<b>Rem. Waste</b>										
Disposed	M3									5,445.70
<b>Tech.</b>										
Deployed	Ntd									3.00

## 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	0336		RAIMS Unit #613 \ Inactive LLLW Collection/Storage Tank W-1	Tanks/Underground Storage Tanks	2000	2000	8/25/1999	2006	2006			N		Y
ORTN	0337		RAIMS Unit #619 \ Inactive LLLW Collection/Storage Tank W-2	Tanks/Underground Storage Tanks	2000	2000	8/25/1999	2006	2006			N		Y

Dataset Name: **FY 1999 Planning Data**

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0338		RAIMS Unit #620 \ Inactive LLLW Collection/Storage Tank W-3	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0339		RAIMS Unit #621 \ Inactive LLLW Collection/Storage Tank W-4	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0340		RAIMS Unit #615 \ Inactive LLLW Collection/Storage Tank W-13	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	0341		RAIMS Unit #616 \ Inactive LLLW Collection/Storage Tank W-14	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	0342		RAIMS Unit #617 \ Inactive LLLW Collection/Storage Tank W-15	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	0343		RAIMS Unit #622 \ Inactive LLLW Collection/Storage Tank W-5	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0344		RAIMS Unit #623 \ Inactive LLLW Collection/Storage Tank W-6	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0345		RAIMS Unit #624 \ Inactive LLLW Collection/Storage Tank W-7	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0346		RAIMS Unit #625 \ Inactive LLLW Collection/Storage Tank W-8	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0347		RAIMS Unit #1559 \ Inactive LLLW Collection/Storage Tank W-9	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0348		RAIMS Unit #614 \ Inactive LLLW Collection/Storage Tank W-10	Tanks/Underground Storage Tanks	2000	2000		2003	2003			N		Y
ORTN	0349		RAIMS Unit #1474 \ Inactive LLLW Collection/Storage Tank W-11	Tanks/Underground Storage Tanks	2000	2000	8/25/1999	2006	2006			N		Y
ORTN	0350		RAIMS Unit #618 \ Inactive LLLW Collection/Storage Tank W-1A	Tanks/Underground Storage Tanks	1998	2000	9/17/1998	2000	2000			N		Y
ORTN	0351		RAIMS Unit #1473 \ Inactive LLLW Collection/Storage Tank TH-4	Tanks/Underground Storage Tanks	2000	2000	8/25/1999	2006	2006			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 33 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0352		RAIMS Unit #879 \ Waste Holding Basin (3513)	Liquid Surface Impoundments/Settling and Separation Basins	1997	1997	8/1/1997	2001	2001			N		Y
ORTN	0353		RAIMS Unit #554 \ Equilization Basin (3524)	Liquid Surface Impoundments/Settling and Separation Basins	1997	1997	8/1/1997	2001	2001			N		Y
ORTN	0354		RAIMS Unit #772 \ Process Waste Pond (3539)	Liquid Surface Impoundments/Settling and Separation Basins	1997	1997	8/1/1997	2001	1999	12/15/1998		N		Y
ORTN	0355		RAIMS Unit #773 \ Process Waste Pond (3540)	Liquid Surface Impoundments/Settling and Separation Basins	1997	1997	8/1/1997	2001	1999	12/15/1998		N		Y
ORTN	0356		RAIMS Unit #567 \ Fission Product Pilot Plant (FPPP) Contaminated Soil	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0357		RAIMS Unit #698 \ Mercury Contaminated Soil (Bldg. 3503)	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0358		RAIMS Unit #544 \ Decommissioned Waste Holding Basin (3512)	Liquid Surface Impoundments/Holding Ponds	2000	2000		2003	2000			N		Y
ORTN	0359		RAIMS Unit #686 \ Low Intensity Test Reactor (LITR) Ponds (3085W)	Liquid Surface Impoundments/Holding Ponds	2000	2000		2003	2000			N		Y
ORTN	0360		RAIMS Unit #699 \ Mercury Contaminated Soil (Bldg. 3592)	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0361		RAIMS Unit #401 \ 3517 Filter Pit Contaminated Soil (Fission Product Development Laboratory)	Spills and Leaks/Surface Spills	2000	2000		2008	2008			N		Y
ORTN	0363		RAIMS Unit #700 \ Mercury Contaminated Soil (Bldg. 4501)	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 34 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0364		RAIMS Unit #701 \ Mercury Contaminated Soil (Bldg. 4508)	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0365		RAIMS Unit #670 \ LLLW Lines and Leak Sites - South of Building 3020	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0366		RAIMS Unit #661 \ LLLW Lines and Leak Sites - East of Building 3020 Stack	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0367		RAIMS Unit #676 \ LLLW Lines and Leak Sites - West of Building 3082	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0368		RAIMS Unit #665 \ LLLW Lines and Leak Sites - North of Bulding 3019	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0369		RAIMS Unit #668 \ LLLW Lines and Leak Sites - SW Corner of Building 3019	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0370		RAIMS Unit #651 \ LLLW Lines and Leak Sites - Between W-5 and WC-19	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0371		RAIMS Unit #673 \ LLLW Lines and Leak Sites - Underneath Building 3047	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0372		RAIMS Unit #678 \ LLLW Lines and Leak Sites - General Isotopes Area (3037, 3038, 3034)	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0373		RAIMS Unit #655 \ LLLW Lines and Leak Sites - Building 3092 Area	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0374		RAIMS Unit #672 \ LLLW Lines and Leak Sites - Underneath Building 3026	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0375		RAIMS Unit #652 \ LLLW Lines and Leak Sites - Between WC-1 and W-5	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0376		RAIMS Unit #666 \ LLLW Lines and Leak Sites - ORR Water Line (Building 3085)	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0377		RAIMS Unit #654 \ LLLW Lines and Leak	Spills and	2000	2000		2003	2000			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 35 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			Sites - Building 3028	Leaks/Surface Spills										
ORTN	0378		RAIMS Unit #660 \ LLLW Lines and Leak Sites - East of Building 2531	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0379		RAIMS Unit #674 \ LLLW Lines and Leak Sites - Underneath Building 3515	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0380		RAIMS Unit #658 \ LLLW Lines and Leak Sites - Building 3525 to a Sump	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0381		RAIMS Unit #675 \ LLLW Lines and Leak Sites - Underneath Building 3550	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0382		RAIMS Unit #669 \ LLLW Lines and Leak Sites - Sewer Near Building 3500	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0383		RAIMS Unit #681 \ LLLW Lines and Leak Sites - Abandoned Line Central Avenue Area	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	0384		RAIMS Unit #659 \ LLLW Lines and Leak Sites - Building 4508, North	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0385		RAIMS Unit #657 \ LLLW Lines and Leak Sites - Building 3518, West	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0386		RAIMS Unit #680 \ LLLW Lines and Leak Sites - NW of Solid Waste Storage Area 1 (SWSA) 1	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0387		RAIMS Unit #656 \ LLLW Lines and Leak Sites - Building 3503, Ground Contamination	Spills and Leaks/Surface Spills	2000	2000		2003	2000			N		Y
ORTN	0388		RAIMS Unit #521 \ Contaminated Surfaces & Soil from 1959 Explosion in Bldg. 3019 Cell	Spills and Leaks/Surface Spills	2000	2000		2008	2008			N		Y
ORTN	0389		RAIMS Unit #522 \ Contamination at Base of 3019 Stack	Spills and Leaks/Surface Spills	2000	2000		2008	2008			N		Y
ORTN	0390		RAIMS Unit #571 \ Graphite Reactor Storage	Above Ground Material	2000	2000		2008	2008			N		N

Dataset Name: **FY 1999 Planning Data**

Page 36 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			Canal Overflow (3001/3019)	/ Waste/Debris Piles										
ORTN	0391		RAIMS Unit #718 \ Oak Ridge Research Reactor Decay Tank Rupure Site (3087)	Spills and Leaks/Surface Spills	2000	2000		2008	2008			N		Y
ORTN	0392		RAIMS Unit #1475 \ Inactive LLLW Collection/Storage Tank WC-1	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	0393		RAIMS Unit #627 \ Inactive LLLW Collection/Storage Tank WC-15	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	0394		RAIMS Unit #628 \ Inactive LLLW Collection/Storage Tank WC-17	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	0395		RAIMS Unit #610 \ Inactive LLLW Collection/Storage Tank TH-1	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	0396		RAIMS Unit #611 \ Inactive LLLW Collection/Storage Tank TH-2	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	0397		RAIMS Unit #612 \ Inactive LLLW Collection/Storage Tank TH-3	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	0409		RAIMS Unit #608 \ Inactive LLLW Collection Tank W-19	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	0410		RAIMS Unit #609 \ Inactive LLLW Collection Tank W-20	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	0416		RAIMS Unit #605 \ Inactive LLLW Collection Tank H-209	Tanks/Underground Storage Tanks	2000	2000		2003	2003	3/5/1997		N		Y
ORTN	0417		RAIMS Unit #1455 \ Inactive LLLW Collection Tank 3001-B	Tanks/Underground Storage Tanks	2000	2000		2000	2000			N		Y
ORTN	0418		RAIMS Unit #1456 \ Inactive LLLW Collection Tank 3003-A	Tanks/Underground Storage Tanks	2000	2000	8/25/1999	2006	2006			N		Y
ORTN	0419		RAIMS Unit #1457 \ Inactive LLLW Collection Tank 3004-B	Tanks/Underground Storage Tanks	2000	2000		2000	2000			N		Y
ORTN	0420		RAIMS Unit #1458 \ Inactive LLLW	Tanks/Underground	2000	2000				12/3/1996		N		Y

Dataset Name: **FY 1999 Planning Data**

Page 37 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			Collection Tank 3013	Storage Tanks										
ORTN	0421		RAIMS Unit #606 \ Inactive LLLW Collection Tank T-30	Tanks/Underground Storage Tanks	2000	2000				3/5/1997		N		Y
ORTN	0422		RAIMS Unit #833 \ Solid Waste Storage Area (SWSA) 1 - (2624)	Waste/Landfills	2000	2000		2005	2005			N		Y
ORTN	0423		RAIMS Unit #569 \ Former Waste Pile Area (South of NRWTP)	Waste/Miscellaneous Surface Debris	2000	2000		2005	2005			N		Y
ORTN	0424		RAIMS Unit #869 \ WAG 1 White Oak Creek (WOC) Floodplain Soils and Sediments	Surface and Groundwater/Sediments	2000	2000		2008	2008			N		Y
ORTN	0427		RAIMS Unit #896 \ White Oak Lake and Embayment (7846)	Surface and Groundwater/Sediments	1999	1999		2012	2012			N		Y
ORTN	0428		RAIMS Unit #895 \ White Oak Creek and Tributaries (0853)	Surface and Groundwater/Sediments	1999	1999		2012	2012			N		Y
ORTN	0429		RAIMS Unit #794 \ SWSA 3 (1001)	Waste/Landfills	2000	2000		2008	2008			N		Y
ORTN	0430		RAIMS Unit #514 \ Closed Scrap Metal Area (1562)	Above Ground Material / Waste/Scrap Yards	2000	2000		2008	2008			N		Y
ORTN	0431		RAIMS Unit #524 \ Contractors' Landfill (1554)	Waste/Landfills	2000	2000		2008	2008			N		Y
ORTN	0432		RAIMS Unit #688 \ Low-level Waste Line North of Lagoon Road (7800)	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0433		RAIMS Unit #795 \ SWSA 4 (7800)	Waste/Landfills	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0434		RAIMS Unit #758 \ PWSB Pipeline from PWSB to Process Waste Treatment Plant	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0435		RAIMS Unit #726 \ Old Landfill (NE Edge of SWSA 5)	Waste/Landfills	1999	1999	8/31/1999	2010	2010			N		Y
ORTN	0446		RAIMS Unit #774 \ Process Waste Sludge Basin (7835)	Liquid Surface Impoundments/Settling	1999	1999	8/31/1999	2004	2004			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 38 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
				and Separation Basins										
ORTN	0447		RAIMS Unit #548 \ Drainage 1,2 in WAG 5	Surface and Groundwater/Sediments	1999	1999	8/31/1999	2010	2010			N		Y
ORTN	0448		RAIMS Unit #799 \ SWSA 5 South (7802)	Waste/Landfills	1999	1999	8/31/1999	2010	2010			N		Y
ORTN	0449		RAIMS Unit #796 \ SWSA 6 (7822)	Waste/Landfills	1999	1999	8/31/1999	2006	2006			N		Y
ORTN	0450		RAIMS Unit #552 \ Emergency Waste Basin (7821)	Liquid Surface Impoundments/Holding Ponds	1999	1999	8/31/1999	2004	2004			N		N
ORTN	0451		RAIMS Unit #557 \ Explosives Detonation Trench (7822A)	Waste/Trenches / Outfalls	1999	1999	8/31/1999	2006	2006			N		N
ORTN	0452		RAIMS Unit #808 \ Septic Tank - Building 7819	/	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0454		RAIMS Unit #594 \ Homogeneous Reactor Experiment (HRE) Fuel Wells (7809)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0456		RAIMS Unit #662 \ LLLW Lines and Leak Sites - Gauging Station NW of Bldg 7852	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0457		RAIMS Unit #667 \ LLLW Lines and Leak Sites - Pit 6 SE (Leak Site 1)	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0458		RAIMS Unit #679 \ LLLW Lines and Leak Sites - End of Trench 7 Access Road (Leak Site 2)	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0459		RAIMS Unit #682 \ LLLW Lines and Leak Sites - Decon Facility (7819) to Pit 1 (7805)	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0460		RAIMS Unit #645 \ LLLW Lines and Leak Sites - Between Pit 3 (7807) and Trench 6 (7810)	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0461		RAIMS Unit #644 \ LLLW Line Leak Site - Leak at Valve Pit North of Trench 7 (7818)	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2007	2007			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 39 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0462		RAIMS Unit #765 \ Pit 1 (7805)	Waste/Pits	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0463		RAIMS Unit #766 \ Pit 2 (7806)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0464		RAIMS Unit #767 \ Pit 3 (7807)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0465		RAIMS Unit #768 \ Pit 4 (7808)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0466		RAIMS Unit #860 \ Trench 5 (7809)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0467		RAIMS Unit #861 \ Trench 6 (7810)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0468		RAIMS Unit #862 \ Trench 7 (7818)	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0469		RAIMS Unit #649 \ LLLW Lines and Leak Sites - 7500 Area	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0470		RAIMS Unit #650 \ LLLW Lines and Leak Sites - 7920 Ditch Line	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0471		RAIMS Unit #653 \ LLLW Lines and Leak Sites - Building 7920 and MV Pumping Station Area	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0472		RAIMS Unit #663 \ LLLW Lines and Leak Sites - Lagoon Road and Melton Valley Drive	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0473		RAIMS Unit #664 \ LLLW Lines and Leak Sites - Melton Valley Dr. and SWSA 5 Access Rd	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0474		RAIMS Unit #574 \ HFIR/TRU Waste Collection Basin (7905)	Liquid Surface Impoundments/Holding Ponds	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0475		RAIMS Unit #575 \ HFIR/TRU Waste Collection Basin (7906)	Liquid Surface Impoundments/Holding Ponds	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0476		RAIMS Unit #576 \ HFIR/TRU Waste Collection Basin (7907)	Liquid Surface Impoundments/Holding Ponds	1999	1999	8/31/1999	2004	2004			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 40 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
				Ponds										
ORTN	0477		RAIMS Unit #577 \ HFIR/TRU Waste Collection Basin (7908)	Liquid Surface Impoundments/Holding Ponds	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0478		RAIMS Unit #677 \ LLLW Lines and Leak Sites - West of Melton Valley Pumping Station Area	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0479		RAIMS Unit #409 \ Abandoned Sanitary Waste Pipeline and Septic Tank N of 7917	Tanks/Septic Tanks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0480		RAIMS Unit #453 \ Aircraft Reactor Experiment Surface Impoundment	Waste/Landfills	1999	1999		2005	2005			N		Y
ORTN	0481		RAIMS Unit #407 \ ARE Contaminated Tool Storage	Buildings & Equipment/Storage Building / Warehouse	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0482		RAIMS Unit #523 \ Contractor Spoils Area - Melton Valley, W-SW of 7900	Waste/Landfills	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0483		RAIMS Unit #573 \ HFIR Cooling Tower Surface Impoundment	Waste/Landfills	2002	2002		2002	2002			N		N
ORTN	0485		RAIMS Unit #671 \ LLLW Lines and Leak Sites - The Melton Valley Transfer Line	Spills and Leaks/Pipeline Leaks	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0486		RAIMS Unit #595 \ Homogeneous Reactor Experiment (HRE) Pond (7556)	Waste/Landfills	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0487		RAIMS Unit #642 \ LLLW Collection and Storage Tank 7560	Tanks/Above Ground Storage Tanks	2000	1997	8/12/1997	2003	2000			N		Y
ORTN	0488		RAIMS Unit #643 \ LLLW Collection and Storage Tank 7562	Tanks/Above Ground Storage Tanks	2000	1997	12/11/1996	2003	2000			N		Y
ORTN	0489		RAIMS Unit #859 \ Trash Area East of HRE Parking Lot	Above Ground Material / Waste/Debris Piles	1999	1999	8/31/1999	2005	2005			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 41 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0499		RAIMS Unit #509 \ Cesium-137 Contaminated Field (0800)	Spills and Leaks/Surface Spills	2001	2001		2005	2005		1992	N		Y
ORTN	0500		RAIMS Unit #510 \ Cesium-137 Erosion/Runoff Study Area (0807)	Spills and Leaks/Surface Spills	2001	2001		2005	2005		1992	N		Y
ORTN	0501		RAIMS Unit #408 \ Abandoned Burn Pit	Waste/Burn Pits	2000	2000		2003	2000		1992	N		Y
ORTN	0502		RAIMS Unit #410 \ Abandoned Underground Waste Oil Storage Tank 7002A	Tanks/Underground Storage Tanks	2000	2000		2003	2000		1992	N		N
ORTN	0505		RAIMS Unit #499 \ C-14 Allocation in Woody Biomass Plantation Species	Spills and Leaks/Surface Spills	2007	2007		2009	2009		1992	N		Y
ORTN	0513		RAIMS Unit #527 \ Cr-51 Contaminated Grass Plots	Spills and Leaks/Surface Spills	2001	2001		2001	2001		1992	N		N
ORTN	0520		RAIMS Unit #534 \ Cs-134 Tagged Tree	Dispersed Surface Contamination/Above Ground Tests	2007	2007		2009	2009		1992	N		Y
ORTN	0522		RAIMS Unit #536 \ Cs-137 Contaminated Forest Floor	Spills and Leaks/Surface Spills	2001	2001	12/17/1997	2005	2005		1992	N		Y
ORTN	0523		RAIMS Unit #537 \ Cs-137 Contaminated Forest Understory	Spills and Leaks/Surface Spills	2001	2001	12/17/1997	2005	2005		1989	N		Y
ORTN	0524		RAIMS Unit #538 \ Cs-137 Contaminated Meadow	Spills and Leaks/Surface Spills	2001	2001		2005	2005		1989	N		Y
ORTN	0525		RAIMS Unit #539 \ Cs-137, Co-60 Contaminated Forest Area	Dispersed Surface Contamination/Above Ground Tests	2007	2007		2009	2009		1989	N		Y
ORTN	0527		RAIMS Unit #549 \ Drainage 3 next to WAG 5	Surface and Groundwater/Sediments	1999	1999	8/31/1999	2010	2010			N		Y
ORTN	0536		RAIMS Unit #851 \ Tc-99 and Np-237 Contaminated Soil Lysimeters	Waste/Pits	1999	1999	8/31/1999	2005	2005			N		Y
ORTN	0538		RAIMS Unit #853 \ Thorium Storage Wells	Waste/Wells (injection,	2000	2000		2000	2000		1989	N		Y

Dataset Name: **FY 1999 Planning Data**

Page 42 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
				monitoring, etc.)										
ORTN	0540		RAIMS Unit #553 \ 7078 Area Former Construction Dump Site	Waste/Pits	2000	2000		2003	2000		1989	N		Y
ORTN	0542		RAIMS Unit #632 \ Isotopes Ductwork/3110 Filter House	Buildings & Equipment/Other Buildings	2000	2000		2006	2006		1989	N		Y
ORTN	0543		RAIMS Unit #513 \ Closed Contractors' Landfill (7658)	Waste/Landfills	2002	2002		2002	2002		1989	N		N
ORTN	0544		RAIMS Unit #508 \ Cesium-137 Forest Research Area (7759)	Spills and Leaks/Surface Spills			12/17/1997	2005	2005		1989	N		Y
ORTN	0546		RAIMS Unit #496 \ Buried Scrap Metal Area	Waste/Landfills	2002	2002		2002	2002		1989	N		N
ORTN	0547		RAIMS Unit #886 \ Waste Oil Storage Tank (7002W)	Tanks/Underground Storage Tanks	2000	2000		2003	2000		1989	N		Y
ORTN	0550		RAIMS Unit #789 \ Reactive Chemicals Disposal Area (7659B)	Waste/Trenches / Outfalls	2002	2002		2002	2002		1989	N		N
ORTN	0551		RAIMS Unit #831 \ Soil Injection of Radioactive Gas (7659C)	Spills and Leaks/Surface Spills	2002	2002		2002	2002		1989	N		N
ORTN	0554		RAIMS Unit #763 \ Pilot Pits 1, 2 (7811)	Waste/Pits	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0556		RAIMS Unit #793 \ SWSA 6 TVA Easement	Spills and Leaks/Surface Spills	1999	1999	8/31/1999	2006	2006			N		Y
ORTN	0621		RAIMS Unit #834 \ Solid Waste Storage Area (SWSA) 2 - (4003)	Waste/Landfills	2000	2000		2003	2000			N		Y
ORTN	0624		RAIMS Unit #1882 \ Above-ground Demineralized-water Holding Tanks	Above Ground Material / Waste/Debris Piles	2000	2000		2006	2006			N		N
ORTN	0625		RAIMS Unit #1868 \ Solid Waste Storage Area (SWSA) 5 North	Waste/Landfills	1999	1999	8/31/1999	2008	2008			N		Y
ORTN	0626		RAIMS Unit #1874 \ Tank W-1A	Spills and	2000	1998	9/17/1998	2003	2000			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 43 of 64

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## 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
			Contaminated Soil	Leaks/Pipeline Leaks										
ORTN	0627		RAIMS Unit #1570 \ Corehole 8 Plume	Surface and Groundwater/Groundwater Plumes	2000	2000		2004	2004			N		Y
ORTN	0674		RAIMS Unit #1625 \ Pits and Trenches Secondary Source Areas	Waste/Pits	1999	1999	8/31/1999	2007	2007			N		Y
ORTN	0709		RAIMS Unit #1491 \ Copper Ridge Study Area (#10/11)	Miscellaneous/Other	1998	1998	9/9/1998	1998	1998	3/29/1999		N		N
ORTN	0710		RAIMS Unit #1489 \ Walker Branch Study Area (#9)	Miscellaneous/Other	2005	2005		2006	2006			N		N
ORTN	0711		RAIMS Unit #1550 \ Bearden Creek Watershed Study Area (#19)	Miscellaneous/Other	1999	1998	2/1/1999	1999	1999	3/3/1999		N		N
ORTN	0712		RAIMS Unit #1493 \ Freels Bend Study Area (#15)	Miscellaneous/Other	2005	2005		2006	2006			N		N
ORTN	0713		RAIMS Unit #1490 \ Watts Bar Study Area (#10)	Miscellaneous/Other	1998	1999		1999	1999	3/29/1999		N		N
ORTN	0714		RAIMS Unit #1494 \ West Bethel Valley Study Area (#18)	/	1998			1998		3/29/1999		N		N
ORTN	0715		RAIMS Unit #1487 \ West Chestnut Ridge Study Area (#7)	Miscellaneous/Other	1998	1999	9/9/1998	1998		3/29/1999		N		N
ORTN	0716		RAIMS Unit #1492 \ West Haw Ridge/Bearden Creek Watershed Study Area (#13/19)	Miscellaneous/Other	1999		2/1/1999	1999		3/3/1999		N		N
ORTN	0723		RAIMS Unit #1866 \ Melton Valley Unneeded Wells	Waste/Wells (injection, monitoring, etc.)	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0733		RAIMS Unit #1571 \ Inactive LLLW Tank W-10 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0734		RAIMS Unit #1572 \ Inactive LLLW Tank W-	Tanks/Underground	1997	1997	6/20/1997	2001	2001			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 44 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			3 Sludges	Storage Tanks										
ORTN	0735		RAIMS Unit #1573 \ Inactive LLLW Tank W-4 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0736		RAIMS Unit #1574 \ Inactive LLLW Tank W-5 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0737		RAIMS Unit #1575 \ Inactive LLLW Tank W-6 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0738		RAIMS Unit #1875 \ Inactive LLLW Tank W-7 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0739		RAIMS Unit #1876 \ Inactive LLLW Tank W-8 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0740		RAIMS Unit #1877 \ Inactive LLLW Tank W-9 Sludges	Tanks/Underground Storage Tanks	1997	1997	6/20/1997	2001	2001			N		Y
ORTN	0742		RAIMS Unit #1873 \ Bethel Valley Unneeded Wells	Waste/Wells (injection, monitoring, etc.)	2000	2000		2005	2005			N		Y
ORTN	0836		RAIMS Unit #894 \ West End Dump Site	Above Ground Material / Waste/Debris Piles	2000	2000	2/11/1998	2008	2008			N		Y
ORTN	0897		RAIMS Unit #1867 \ Solid Waste Storage Area (SWSA) 4 Seeps	Surface and Groundwater/Surface Water	1999	1999	8/31/1999	2004	2004			N		Y
ORTN	0898		RAIMS Unit #1869 \ Solid Waste Storage Area (SWSA) 5 South Seeps	Surface and Groundwater/Surface Water	1999	1999	8/31/1999	2010	2010			N		Y
ORTN	0904		RAIMS Unit #559 \ FPD LLLW Transfer Line	Spills and Leaks/Pipeline Leaks	2000	2000		2003	2000			N		Y
ORTN	2005		RAIMS Unit #1566 \ Inactive HFIR Complex LLLW Tank HFIR	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	2006		RAIMS Unit #1564 \ Inactive HFIR Complex	Tanks/Underground	2000		8/25/1999	2006	2006			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 45 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			LLLW Tank T-1	Storage Tanks										
ORTN	2007		RAIMS Unit #1565 \ Inactive HFIR Complex LLLW Tank T-2	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	2008		RAIMS Unit #413 \ Inactive LLLW Collection Tank 2026A	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2000				N		Y
ORTN	2009		RAIMS Unit #1463 \ Inactive LLLW Collection Tank W-17	Tanks/Underground Storage Tanks	2000	2000	8/25/1999	2006	2000			N		Y
ORTN	2010		RAIMS Unit #1465 \ Inactive LLLW Collection Tank WC-11	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	2011		RAIMS Unit #1466 \ Inactive LLLW Collection Tank WC-12	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	2012		RAIMS Unit #1467 \ Inactive LLLW Collection Tank WC-13	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	2013		RAIMS Unit #1468 \ Inactive LLLW Collection Tank WC-14	Tanks/Underground Storage Tanks	1994		6/30/1997	2003	2003	9/25/1998		N		Y
ORTN	2014		RAIMS Unit #1469 \ Inactive LLLW Collection Tank WC-4	Tanks/Underground Storage Tanks	1999	2000	4/29/1999	2003	2000			N		Y
ORTN	2015		RAIMS Unit #430 \ Inactive LLLW Collection/Storage Tank WC-2	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	2016		RAIMS Unit #1476 \ Inactive LLLW Tank T-14	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	2017		RAIMS Unit #1567 \ Inactive LLLW Tank WC-20	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	3001		RAIMS Unit #1556 \ 0901 Electrical Substation	Above Ground Material / Waste/Debris Piles	2005			2005				N		N
ORTN	3013		RAIMS Unit #2369 \ Bearden Creek Road Dump Site	Above Ground Material / Waste/Debris Piles	1999			2005	2005			N		Y
ORTN	3014		RAIMS Unit #2435 \ HFIR Drive Disposal	Above Ground Material	1999			2005	2005			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 46 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			Site	/ Waste/Debris Piles										
ORTN	3015		RAIMS Unit #2397 \ TSF Entrance Road Dump Site	Above Ground Material / Waste/Debris Piles	1999			2005	2005			N		Y
ORTN	3016		RAIMS Unit #2399 \ Contaminated Debris Site Adjacent to Building 7819	Above Ground Material / Waste/Debris Piles	1999			2004	2004			N		Y
ORTN	3017		RAIMS Unit #1557 \ 0900 Firearms Range	Dispersed Surface Contamination/Firing Ranges and Ordnance	2007	2007		2009	2009			N		Y
ORTN	3018		RAIMS Unit #518 \ Compactible Waste Facility Site	Miscellaneous/Other	2007	2007		2009	2009			N		Y
ORTN	3019		RAIMS Unit #2336 \ Inactive Filter House Seal Tank 3002-A	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3020		RAIMS Unit #1459 \ Inactive LLLW Collection Tank 4501-P	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3021		RAIMS Unit #418 \ Inactive LLLW Collection Tank F-201	Tanks/Underground Storage Tanks	2000	2000		2000	2000			N		Y
ORTN	3022		RAIMS Unit #1460 \ Inactive LLLW Collection Tank LA-104 (F-104)	Tanks/Underground Storage Tanks	2000	2000		2000	2000			N		Y
ORTN	3023		RAIMS Unit #1461 \ Inactive LLLW Collection Tank S-424	Tanks/Underground Storage Tanks	2000	2000		2006	2006			N		Y
ORTN	3024		RAIMS Unit #1462 \ Inactive LLLW Collection Tank W-12	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3025		RAIMS Unit #1464 \ Inactive LLLW Collection Tank W-18	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	3026		RAIMS Unit #2337 \ Inactive LLLW Collection Tank W1-I	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	3027		RAIMS Unit #429 \ Inactive LLLW Collection Tank WC-19	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 47 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	3028		RAIMS Unit #1470 \ Inactive LLLW Collection Tank WC-5	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3029		RAIMS Unit #1471 \ Inactive LLLW Collection Tank WC-6	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3030		RAIMS Unit #432 \ Inactive LLLW Collection Tank WC-7	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3031		RAIMS Unit #1472 \ Inactive LLLW Collection Tank WC-8	Tanks/Underground Storage Tanks	2000	2000		2003	2000			N		Y
ORTN	3032		RAIMS Unit #419 \ Inactive LLLW Collection/Storage Tank F-501	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	3033		RAIMS Unit #427 \ Inactive LLLW Collection/Storage Tank W-16	Tanks/Underground Storage Tanks	2000			2003	2000			N		Y
ORTN	3034		RAIMS Unit #428 \ Inactive LLLW Collection/Storage Tank WC-10	Tanks/Underground Storage Tanks	1999		4/29/1999	2003	2000			N		Y
ORTN	3035		RAIMS Unit #431 \ Inactive LLLW Collection/Storage Tank WC-3	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	3036		RAIMS Unit #433 \ Inactive LLLW Collection/Storage Tank WC-9	Tanks/Underground Storage Tanks	2000		8/25/1999	2006	2006			N		Y
ORTN	3038		RAIMS Unit #1568 \ Melton Valley Access Road Dump Site	Waste/Miscellaneous Surface Debris	2007	2007		2009	2009			N		Y
ORTN	3039		RAIMS Unit #2398 \ Old Bethel Valley Road Dump Site	Waste/Miscellaneous Surface Debris	2007	2007		2009	2009			N		Y
ORTN	3040		WAG 1 Groundwater (Storm Flow)	Surface and Groundwater/Groundwater Plumes	2000			2005	2005			N		Y
ORTN	3041		RAIMS Unit #2343 \ Tower Shielding Facility Scrap Yard (7702)	Above Ground Material / Waste/Storage Yards and Pads	2002	2002		2002	2002			N		N

Dataset Name: **FY 1999 Planning Data**

Page 48 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0558		RAIMS Unit #566 \ Fission Product Pilot Plant (FPPP) - (3515)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2007	2007			N		N
ORTN	0565		RAIMS Unit #855 \ Transfer Canal and Dissolver Pit (3505)	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2003	2003			N		Y
ORTN	0566		RAIMS Unit #702 \ Metal Recovery Facility (3505)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2003	2003			N		N
ORTN	0581		RAIMS Unit #1880 \ ORRR 10,000 Gallon Decay Tank	Tanks\Above Ground Storage Tanks	Radiological Facility	2000	2000					2008	2008			N		N
ORTN	0584		RAIMS Unit #1881 \ ORRR 25-meter Target House (Flight Tube Building) (3107)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2008	2008			N		N
ORTN	0586		RAIMS Unit #1618 \ ORRR Cell Vent Filters (3139)	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2006	2006			N		Y
ORTN	0587		RAIMS Unit #1620 \ ORRR Heat Exchanger Pit (3102)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0589		RAIMS Unit #1621 \ ORRR Neutron Spectrometer Station (Neutron Flight Tube Bldg 3083)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2008	2008			N		N
ORTN	0590		RAIMS Unit #1622 \ ORRR NOG Filter Pit Charcoal Filter (3126)	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2008	2008			N		Y
ORTN	0592		RAIMS Unit #1624 \ ORRR Pumphouse (3085)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2000	2000					2006	2006			N		Y

Dataset Name: **FY 1999 Planning Data**

Page 49 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0593		RAIMS Unit #1623 \ ORRR POG Filter Pit Off-Gas Filter (3109)	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2006	2006			N		Y
ORTN	0594		RAIMS Unit #717 \ Oak Ridge Research Reactor (3042)	Buildings & Equipment\Research Reactor	Radiological Facility	2000	2000					2008	2008			N		N
ORTN	0596		RAIMS Unit #819 \ Shielded Transfer Tank (ST1) (by 7819 Shed)	Tanks\Above Ground Storage Tanks	Nuclear Facility, Category 3	1999	1999	8/31/1999				2001	2001			N		Y
ORTN	0597		RAIMS Unit #821 \ Shielded Transfer Tank (ST2) (by 7819 Shed)	Tanks\Above Ground Storage Tanks	Nuclear Facility, Category 3	1999	1999	8/31/1999				2001	2001			N		Y
ORTN	0598		RAIMS Unit #823 \ Shielded Transfer Tank (ST3) (by 7819 Shed)	Tanks\Above Ground Storage Tanks	Nuclear Facility, Category 3	1999	1999	8/31/1999				2001	2001			N		Y
ORTN	0599		RAIMS Unit #825 \ Shielded Transfer Tank (ST4) (by 7819 Shed)	Tanks\Above Ground Storage Tanks	Nuclear Facility, Category 3	1999	1999	8/31/1999				2001	2001			N		Y
ORTN	0600		RAIMS Unit #827 \ Shielded Transfer Tank (ST5) (by 7819 Shed)	Tanks\Above Ground Storage Tanks	Nuclear Facility, Category 3	1999	1999	8/31/1999				2001	2001			N		Y
ORTN	0601		RAIMS Unit #592 \ High-Level Chemical Development Lab Filter Pit (4556)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2007	2007			N		N
ORTN	0602		RAIMS Unit #593 \ High-Level Chemical Development Lab (4507)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2007	2007			N		N
ORTN	0604		RAIMS Unit #570 \ Graphite Reactor (OGR), Building 3001	Buildings & Equipment\Research Reactor	Radiological Facility	2000	2000					2004	2004			N		N

Dataset Name: **FY 1999 Planning Data**

Page 50 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0605		RAIMS Unit #560 \ OGR Fan House 3003	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2008	2008			N		Y
ORTN	0606		RAIMS Unit #562 \ OGR Filter House 3002	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2008	2008			N		Y
ORTN	0607		RAIMS Unit #837 \ OGR Stack (3018)	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2008	2008			N		N
ORTN	0608		RAIMS Unit #866 \ Underground Exhaust Ducts 3001-3003	Buildings & Equipment\Other Buildings	Radiological Facility	2000	2000					2008	2008			N		Y
ORTN	0609		RAIMS Unit #685 \ Low Intensity Test Reactor (LITR) - (3005)	Buildings & Equipment\Test Reactor	Radiological Facility	2000	2000					2008	2008			N		N
ORTN	0613		RAIMS Unit #558 \ FPD L Inactive Cells {Cells 4,5,6,7,22} and Service Tunnel - (3517)	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000					2007	2007			N		N
ORTN	0614		RAIMS Unit #877 \ Waste Evaporator Facility (3506)	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	1995		6/1/1995				1996		12/2/1996		N		Y
ORTN	0691		RAIMS Unit #396 \ 3001 Storage Canal	Buildings & Equipment\Other Buildings	Radiological Facility	1997	2003					2003	2000		1989	N		N
ORTN	0725		RAIMS Unit #586 \ LITR Heat Exchangers (3077)	Buildings & Equipment\Other Buildings	Other Industrial Facility	2000	2000					2000	2000			N		N
ORTN	0741		RAIMS Unit #495 \ Bulk	Buildings &	Nuclear	2000	2000		2004	2004		2008	2008			N		N

Dataset Name: **FY 1999 Planning Data**

Page 51 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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
			Shielding Reactor Facility	Equipment\Research Reactor	Facility, Category 2													
ORTN	0743		RAIMS Unit #563 \ Fission Product Development Laboratory (FPDL) - (3517)	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2007	2007			N		N
ORTN	0744		RAIMS Unit #591 \ High Radiation Level Analytical Facility (3019B)	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004	10/1/1998	2008	2008			N		N
ORTN	0745		RAIMS Unit #454 \ Alpha Handling Facility	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2006	2006			N		N
ORTN	0746		RAIMS Unit #455 \ Alpha Powder Facility (3028)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2006	2006			N		N
ORTN	0747		RAIMS Unit #630 \ Isotopes Materials Laboratory	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2006	2006			N		N
ORTN	0748		RAIMS Unit #641 \ Krypton-85 Enrichment Facility (KEF)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000		2004	2004		2003	2003			N		N
ORTN	0749		RAIMS Unit #703 \ Metal Segmenting Hot Cell Facility	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000		2004	2004		2003	2003			N		Y
ORTN	0750		RAIMS Unit #776 \ Radioactive Gas Processing Facility (3033)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0751		RAIMS Unit #777 \ Radioisotopes Packaging and Handling Facility	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2006	2006			N		N
ORTN	0752		RAIMS Unit #778 \ Radioactive Production Laboratory Annex (3033A)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N

Dataset Name: **FY 1999 Planning Data**

Page 52 of 64

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: **0095**

Project **OR-321 / ORNL Remedial Action - Def**

## 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	0753		RAIMS Unit #782 \ Radioactive Production Laboratory -- C (3030)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0754		RAIMS Unit #783 \ Radioactive Production Laboratory -- D (3031)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0755		RAIMS Unit #784 \ Radioactive Production Laboratory -- E (3032)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0756		RAIMS Unit #785 \ Radioactive Production Laboratory -- H (3118)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2006	2006			N		N
ORTN	0757		RAIMS Unit #786 \ Radioisotopes Services Building (3034)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0758		RAIMS Unit #835 \ Source Development Laboratory (3029)	Buildings & Equipment\Laboratory	Other Industrial Facility	2000	2000					2006	2006			N		N
ORTN	0759		RAIMS Unit #840 \ Storage Pad (3099)	Buildings & Equipment\Storage Building / Warehouse	Radiological Facility	2000	2000					2006	2006			N		N
ORTN	0760		RAIMS Unit #865 \ Tritium Target Preparation Facility (7025)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2007	2007			N		N
ORTN	0761		RAIMS Unit #640 \ Krypton Storage Cubicle (3093)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000					2006	2006			N		N

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

## Facility Deactivation

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	0741		RAIMS Unit #495 \ Bulk Shielding Reactor Facility	Buildings & Equipment\Research Reactor	Nuclear Facility, Category 2	2000	2000		2004	2004		2008	2008			N		N
ORTN	0743		RAIMS Unit #563 \ Fission Product Development Laboratory (FPDL) - (3517)	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2007	2007			N		N
ORTN	0744		RAIMS Unit #591 \ High Radiation Level Analytical Facility (3019B)	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004	10/1/1998	2008	2008			N		N
ORTN	0745		RAIMS Unit #454 \ Alpha Handling Facility	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2006	2006			N		N
ORTN	0747		RAIMS Unit #630 \ Isotopes Materials Laboratory	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2006	2006			N		N
ORTN	0748		RAIMS Unit #641 \ Krypton-85 Enrichment Facility (KEF)	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000		2004	2004		2003	2003			N		N
ORTN	0749		RAIMS Unit #703 \ Metal Segmenting Hot Cell Facility	Buildings & Equipment\Laboratory	Radiological Facility	2000	2000		2004	2004		2003	2003			N		Y
ORTN	0751		RAIMS Unit #777 \ Radioisotopes Packaging and Handling Facility	Buildings & Equipment\Laboratory	Nuclear Facility, Category 2	2000	2000		2004	2004		2006	2006			N		N

## Technology Needs

# Project Baseline Summary Report

Data Source: **EM CDB**  
 Operations/Field Office: **Oak Ridge**  
 Site Summary Level: **Oak Ridge Reservation**  
 Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

**Site Need Code:** ORBW-16  
**Site Need Name:** Subsidence Control  
**Focus Area Work Package ID:** SS-04  
**Focus Area:** SCFA

**Focus Area Work Package:** Long-Lived Caps  
**Agree with Technology Link:** Y

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

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
Alternative Landfill Cover	0	
Innovative Grout (In Situ Stabilization)	0	
In Situ Containment and Stabilization of Buried Waste	0	
Evaluation of Two New Flowable Grout Materials and Application Techniques	0	
Long-Term Surface Barriers	0	

**Site Need Code:** ORHY-06  
**Site Need Name:** Fractured Media Flow Characterization  
**Focus Area Work Package ID:** SS-01  
**Focus Area:** SCFA

**Focus Area Work Package:** Characterization, Monitoring, Modeling and Analysis  
**Agree with Technology Link:** Y

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

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
Electrical Resistance Tomography for Subsurface Imaging	0	
Three Dimensional Three-Component Seismic Imaging for Site Characterization	0	
Characterization of Flow and Contaminant Transport in Fractured Rock	0	
Cross-Well Seismic Imaging	0	

Dataset Name: **FY 1999 Planning Data**

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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

**Site Need Code:** ORHY-17  
**Site Need Name:** Stabilization and Abandonment of Contaminated Boreholes and Wells

**Focus Area Work Package ID:** **Focus Area Work Package:**  
**Focus Area:** **Agree with Technology Link:** Y

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

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
---------------------	---	--------------------------

**Site Need Code:** ORHY-18  
**Site Need Name:** Treatment and Control of Tritium-Contaminated Water

**Focus Area Work Package ID:** **Focus Area Work Package:**  
**Focus Area:** **Agree with Technology Link:** Y

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

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
---------------------	---	--------------------------

**Site Need Code:** ORTK-02  
**Site Need Name:** Tank Solid Waste Retrieval

**Focus Area Work Package ID:** WT-03-01 **Focus Area Work Package:** Tank Integrity and Heel Retrieval  
**Focus Area:** TFA **Agree with Technology Link:** Y

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

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
---------------------	---	--------------------------

Ultra High Pressure Scarifier	0	
-------------------------------	---	--

# Project Baseline Summary Report

Data Source: **EM CDB**  
 Operations/Field Office: **Oak Ridge**  
 Site Summary Level: **Oak Ridge Reservation**  
 Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

Houdini-II Remotely Operated Vehicle System	0
Remotely Operated Vehicle (ROV) System for Horizontal Tanks	0
Tank Waste Conveyance System	0

**Site Need Code:** ORTK-04  
**Site Need Name:** Sludge Mixing and Slurry Transport

**Focus Area Work Package ID:** WT-03-01

**Focus Area Work Package:** Tank Integrity and Heel Retrieval

**Focus Area:** TFA

**Agree with Technology Link:** Y

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

Technologies

Remote Maintenance Design for Tank Waste Compact Processing Units

Cost Savings (in thousands of dollars)

Range of Estimate

0

**Site Need Code:** ORTK-09

**Site Need Name:** Tank Closure

**Focus Area Work Package ID:** WT-05-01

**Focus Area Work Package:** Tank Closure

**Focus Area:** TFA

**Agree with Technology Link:** Y

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

Technologies

GAAT Tank Isolation

Cost Savings (in thousands of dollars)

Range of Estimate

0

# Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Oak Ridge

Site Summary Level: Oak Ridge Reservation

Project OR-321 / ORNL Remedial Action - Def

Report Number: GEN-01b

Print Date: 3/9/2000

HQ ID: 0095

---

## Technology Needs

Site Need Code: ORBW-01

Site Need Name: Buried Waste In Situ Treatment

Focus Area Work Package ID: SS-03

Focus Area: SCFA

Benefits (Cost, Risk Reduction, Both): Both

Focus Area Work Package: Stabilization Technologies

Agree with Technology Link: Y

### Technologies

In Situ Vitrification Bottoms-up

Innovative Grout (In Situ Stabilization)

In Situ Stabilization and Retrieval System

### Cost Savings (in thousands of dollars)

0

0

0

### Range of Estimate

Site Need Code: ORBW-03

Site Need Name: In Situ Assay Systems

Focus Area Work Package ID: SS-01

Focus Area: SCFA

Benefits (Cost, Risk Reduction, Both): Cost

Focus Area Work Package: Characterization, Monitoring, Modeling and Analysis

Agree with Technology Link: Y

### Technologies

Electrical Resistance Tomography for Subsurface Imaging

### Cost Savings (in thousands of dollars)

0

### Range of Estimate

---

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Page 58 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**  
 Operations/Field Office: **Oak Ridge**  
 Site Summary Level: **Oak Ridge Reservation**  
 Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

**Site Need Code:** ORBW-04  
**Site Need Name:** Subsurface Barriers and Drains

**Focus Area Work Package ID:** SS-02

**Focus Area:** SCFA

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

**Focus Area Work Package:** Barriers for Containmant and Control

**Agree with Technology Link:** Y

### Technologies

Subsurface Barrier Emplacement

Continuous Perimeter Containment Barrier System

Verification and Monitor System for Subsurface Barrier

### Cost Savings (in thousands of dollars)

### Range of Estimate

0

0

0

**Site Need Code:** ORBW-08  
**Site Need Name:** Long-Term Performance Assessments

**Focus Area Work Package ID:** SS-11

**Focus Area:** SCFA

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

**Focus Area Work Package:** Validation, Verification, & Long-Term Monitoring of Containment & Treatment

**Agree with Technology Link:** Y

### Technologies

Subsurface Barrier Validation with the SEAttrace (TM) Monitoring System

Verification and Monitor System for Subsurface Barrier

Monitor for Demonstrating the Effectiveness of Barrier Installation and Long-term Performance using Electrical Resistance Tomography

### Cost Savings (in thousands of dollars)

### Range of Estimate

0

0

0

# Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Oak Ridge

Site Summary Level: Oak Ridge Reservation

Project OR-321 / ORNL Remedial Action - Def

Report Number: GEN-01b

Print Date: 3/9/2000

HQ ID: 0095

---

## Technology Needs

Site Need Code: ORBW-13

Site Need Name: Hot Spot Retrieval

Focus Area Work Package ID: SS-10

Focus Area: SCFA

Benefits (Cost, Risk Reduction, Both): Both

Focus Area Work Package: Hot Spot Removal

Agree with Technology Link: Y

### Technologies

Dig Face Characterization

Portable Selective Hot Spot Removal System

Delineating Contamination in Soils

### Cost Savings (in thousands of dollars)

0

0

0

### Range of Estimate

Site Need Code: ORBW-14

Site Need Name: Retrieved Waste Sorting

Focus Area Work Package ID:

Focus Area:

Benefits (Cost, Risk Reduction, Both): Both

Focus Area Work Package:

Agree with Technology Link: Y

### Technologies

### Cost Savings (in thousands of dollars)

### Range of Estimate

---

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Page 60 of 64

# Project Baseline Summary Report

Data Source: **EM CDB**  
 Operations/Field Office: **Oak Ridge**  
 Site Summary Level: **Oak Ridge Reservation**  
 Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

**Site Need Code:** ORBW-19  
**Site Need Name:** Remediation of Secondary Soil Contamination

**Focus Area Work Package ID:** **Focus Area Work Package:**  
**Focus Area:** **Agree with Technology Link:** N  
**Benefits (Cost, Risk Reduction, Both):** Both

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
Dynamic Underground Stripping	0	
Remediation of DNAPLs in Low Permeability Soils	0	
Innovative DNAPL Characterization Technologies	0	
Hydrous Pyrolysis/Oxidation	0	
In Situ Stabilization and Retrieval System	0	
Delineating Contamination in Soils	0	

**Site Need Code:** ORHY-02  
**Site Need Name:** Low-Waste Volume Exploration and Monitoring

**Focus Area Work Package ID:** SS-01 **Focus Area Work Package:** Characterization, Monitoring, Modeling and Analysis  
**Focus Area:** SCFA **Agree with Technology Link:** Y  
**Benefits (Cost, Risk Reduction, Both):** Cost

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
Environmental Measurement While Drilling	0	
Direct Sampling Ion Trap Mass Spectrometer System (DSITMS)	0	

Dataset Name: **FY 1999 Planning Data**  
 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-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

Directional Drilling 0

**Site Need Code:** ORHY-03

**Site Need Name:** Noninvasive Technologies to Identify Leaking Utilities

**Focus Area Work Package ID:**

**Focus Area Work Package:**

**Focus Area:**

**Agree with Technology Link:** Y

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

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

**Site Need Code:** ORHY-04

**Site Need Name:** Volatile Organic Compound (VOC) Monitoring and Detection

**Focus Area Work Package ID:** SS-01

**Focus Area Work Package:** Characterization, Monitoring, Modeling and Analysis

**Focus Area:** SCFA

**Agree with Technology Link:** Y

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

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Direct Sampling Ion Trap Mass Spectrometer System (DSITMS) 0

In Situ Measurement of Volatile and Semi-Volatile Organic Compounds in the Subsurface 0

# Project Baseline Summary Report

Data Source: **EM CDB**  
 Operations/Field Office: **Oak Ridge**  
 Site Summary Level: **Oak Ridge Reservation**  
 Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0095**

## Technology Needs

**Site Need Code:** ORHY-11  
**Site Need Name:** Horizontal Emplacement Technologies  
**Focus Area Work Package ID:** SS-09  
**Focus Area:** SCFA  
**Benefits (Cost, Risk Reduction, Both):** Cost

**Focus Area Work Package:** Access and Delivery Systems  
**Agree with Technology Link:** Y

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
Directional Drilling	0	

**Site Need Code:** ORHY-16  
**Site Need Name:** Hydrologic Containment and Control  
**Focus Area Work Package ID:** SS-04  
**Focus Area:** SCFA  
**Benefits (Cost, Risk Reduction, Both):** Both

**Focus Area Work Package:** Long-Lived Caps  
**Agree with Technology Link:** Y

<u>Technologies</u>	<u>Cost Savings (in thousands of dollars)</u>	<u>Range of Estimate</u>
Alternative Landfill Cover	0	
Subsurface Barrier Emplacement	0	
Frozen Soil Barrier	0	
Verification and Monitor System for Subsurface Barrier	0	
Long-Term Surface Barriers	0	

## Technology Deployments

Deployment Year
-----------------

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oak Ridge**

Site Summary Level: **Oak Ridge Reservation**

Project **OR-321 / ORNL Remedial Action - Def**

Report Number: **GEN-01b**

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

HQ ID: **0095**

---

<u>Deployment Status</u>	<u>Planned</u>	<u>Forecast</u>	<u>Actual Date</u>
<b>Technology Name:</b> Fission Products Separations Testing			
Potential Deployment	2000		
<b>Technology Name:</b> Multipoint Grout Injection			
Potential Deployment	2000		
<b>Technology Name:</b> Russian Retrieval Technologies			
Potential Deployment	2000		