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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

This PBS includes two major projects: The ETTP Three-Building D&D and the K-1420 D&D.

The purpose of the ETTP Three-Building D&D and Recycle Project is to decontaminate and decommission (D&D) three (K-29, K-31, and K-33) gaseous diffusion process (GDP) buildings so that the three buildings are available for reuse without radiological and other nonradiological concerns. The ETTP five gaseous diffusion process buildings (K-25, K-27, K-29, K-31 and K-33) were permanently closed in 1987, and the uranium enrichment mission transferred to the United States Enrichment Corporation at Portsmouth, Ohio, and Paducah, Kentucky. The three buildings of the project are filled with diffusion equipment which is contaminated with uranium and which contains barrier material representing a classified technology requiring provisions for security and protection. The three buildings are currently unusable and require continuous surveillance and maintenance. The K-29, K-31 and K-33 buildings are the Low Enriched Uranium (LEU) buildings of the GDP cascade. The three buildings contain 4.89-million square feet of space under roof and 126,000 tons of contaminated or potentially contaminated material. A fixed-price prime contract was awarded to BNFL, Inc., in late FY 1997 for completion of the project in FY 2004.

The scope of the ETTP Three-Building D&D and Recycle Project is the removal and disposal of all process and process support equipment from the buildings and to decontaminate the interior of the buildings to an established end-point criteria. About 90 percent of the total area and equipment under roof is contaminated with radiological contamination (U238 and U235, and with traces of Tc99, PU239, U236, and Np237) and nonradioactive contamination (PCBs, asbestos, oils, coolants, lead, etc.). Through equipment and scrap metals recycle, the project takes advantage of the large quantities of equipment and valuable metals, which can be decontaminated, for reuse. The three buildings will be decontaminated for reuse in a brownfield industrial state/standard.

The scope includes the following: Perform D&D and recycle under fixed-price contract; perform surveillance and maintenance services during duration of the project; remove all process equipment and materials from the three buildings; decontaminate vacant areas within the buildings to a pre-established end-point criteria; decontaminate and recycle the materials and equipment were economically practical; disposal of all project waste; provide three buildings ready for industrial occupancy as they are decontaminated, with one being ready near end of CY 2000.

The three building concept is the beginning of full D&D of the five ETTP GDP buildings. The concept directly supports Reindustrialization of ETTP, which is targeted as a key mission by the DOE resulting in accelerated remediation, cost savings for DOE and indirect benefits to the Oak Ridge work force and community. DOE has signed an agreement with the Community Reuse Organization of East Tennessee (CROET) to encourage utilization of the ETTP site. This agreement allows CROET to lease ETTP facilities from DOE and in turn subleases them to outside companies to use them for a variety of activities. The three LEU buildings of this project will be leased to CROET, one by one, as soon as the building decontamination is completed.

The challenge for this project is to link the ability to remove equipment/material and to cleanup the buildings with some economically viable salvage/recycle of the equipment/material in an effort to lower the overall cost to the government. The cost recovery portion of the project (the

Project Description Narratives

equipment and material) requires unique contractor capabilities due to the contamination present, the classified nature of much of the recyclable material, and the limited market for previously contaminated material.

The technical approach of the ETTP Three-Building D&D and Recycle Project is based on accomplishment of the stated scope using fixed-price prime contracts. Under the contracted effort the detailed approach is summarized as follows:
1. Regulatory Authority - The work will be conducted as a CERCLA Non-Time Critical Removal Action.
2. Permits - The contractor will obtain all applicable permits and licenses before the beginning fieldwork.
3. Equipment Removal - The contractor will remove all process equipment and related materials from the interior of the three buildings. These activities include decoupling, disassembly, size reduction, packaging and shipping to either an offsite commercial decontamination facility, or removal from ETTP and release to scrap sales. Platforms, cell housing, and equipment pedestals will be removed flush with concrete floors. Equipment and materials that cannot be decontaminated to release standards/criteria economically will be disposed of as DOE waste by the contractor at an approved licensed disposal facility.
4. Removal of Uranium Deposits - Detection and removal of all uranium deposits from within the piping, valves, converters, and compressors will be performed by the contractor. The contractor will take temporary possession until transfer of ownership to an NRC Class-I nuclear material licensee. The contractor will ensure that all material transfers meet criteria of the Atomic Energy Act and associated regulations. DOE was responsible for removal of large uranium deposits known to exist in K-29 prior to turn over of K-29 to the contractor.
5. Project End-Point Criteria-End-Point Criteria have been established for the three buildings that address: (1) services that are to remain in place; (2) contamination release levels for RAD, asbestos, PCBs, HAZ Waste, and Mixed Waste; and (3) post-decontamination repairs. The contamination release levels are provided in the "Engineering Evaluation/Cost Analysis for Equipment Removal and Building Decontamination for the K-29, K-31, and K-33 Buildings, K-25 Site, Oak Ridge, Tennessee, DOE/OR/02-1579" (EE/CA).
6. Surveillance and Maintenance Services - The contractor will assume financial and operational responsibility for Surveillance and Maintenance of the physical plants of the buildings involved in the D&D.
7. Recycling Activities - The contractor will be responsible for all project material recycle activities to the most economical means of dispositioning. DOE Order 5400.5 supplemented by NRC Regulatory Guide 1.86 will be employed for determination of recycle release from the site. The overall D&D project costs to DOE are estimated to be reduced nearly 20% due to the recapture of equipment and metal value through recycle revenues collected by the contractor.
8. Project Wastes - The contractor will deal with DOE Wastes and Non-DOE Wastes. The contractor will segregate such wastes and separately manifest these wastes for disposal. The contractor will be responsible for disposal of all project wastes that have a regulated disposal pathway.
9. Building Decontamination - After equipment removal, the contractor will decontaminate the building interior surfaces of RAD and chemical contamination to release criteria established in the Projects End-Point Criteria that is a part of the fixed-price contract.
10. Plans/Reports - The contractor will prepare all project specific plans for approval by DOE. Included in the list are: (a) Security Plan, (b) Quality Assurance Plan, (c) Safety Management System, (d) Radiation Protection Plan, (e) Waste Management Plan, (f) Emergency Preparedness Plan, (g) Material Control and Accountability Plan, and (h) Removal Action Work Plan. Approval of plans will preceed turn over of the buildings to the contractor. Scheduled reporting includes labor, cost, milestones, building D&D certification, and TSCA/LLW/MLLW project reports.

The intent of this project is to find the best economical match between the governments desire to have the buildings cleaned up and available for alternative use, and to minimize the overall cost of accomplishing the task. BNFL, contractor for this project, brings their expertise in cleaning up a similar gaseous diffusion facility in Great Britain and having industrial contacts to take over surveillance and maintenance of the buildings, execute

Project Description Narratives

cleanup, and tailor the entire process to minimize the quantity of material shipped for disposal. The decontamination and recycle enterprises will be negotiated and established by BNFL. Recyclable materials will be recovered and delivered to these enterprises in forms that meet the acceptance, and fulfill the specialized and focused needs of BNFL's business associates.

In this approach, savings occur due to a combination of effects including: (1) reduced engineering and management overhead and fees, (2) reduced surveillance and maintenance, (3) efficiencies in the approach to recycle and building decontamination based on BNFL's experiences at Capenhurst, (4) reduced contingency due also to BNFL's experience and confidence based on Capenhurst D&D, and (5) DOE's assignment of all materials in the three buildings to BNFL. In return for these benefits, BNFL takes responsibility for recycle/salvage activities through whatever means BNFL selects. BNFL is following an approach that disposes of more low-valued metal than in previous estimates.

Additional benefits to the DOE from the project include:
-Risk to the public, workers, and the environment will be reduced by accomplishing D&D of the buildings sooner than planned. Risk is related to the deposited uranium products left in the GDP systems at shutdown, coupled with the fact that neither the systems nor buildings were designed for long-term storage of nuclear materials.
-Risk is assumed by the contractor during cleanup, including risks of waste handling and disposal.
-Removal of process systems eliminates fissile material holdup, as well as risk of potential criticality accidents. This is consistent with requirements within the DNFSB 94-1 Implementation Plan.
-The approach leaves buildings standing that will be used by DOE and CROET in efforts to reindustrialize ETTP.
-The approach results in the further establishment and verification of efficient D&D methods that will be made available to DOE for other facilities.
-Incidental benefits include the establishment of equipment/metal decontamination and recycle capabilities in Oak Ridge, which will maintain jobs in the region. BNFL's approach allows for M&O worker transition to the private sector and will create some 400 jobs.

The K-1420 building was designed and built in 1954 to house the Decontamination and Uranium Recovery Facility for the former K-25 site. Equipment from every process building, including highly enriched uranium (HEU) equipment, has been decontaminated and serviced in this building. Decontamination activities included the disassembly and chemical decontamination of gaseous diffusion equipment as well as the capture and recovery of uranium bearing liquid decontamination solutions. The uranium processing equipment and operations were designed to insure criticality safe geometry. During the 1970's, building K-1420 was upgraded and utilized to decontaminate the major gaseous diffusion equipment being upgraded as apart of the Cascade Improvement Program/Cascade Upgrading Program. The majority of the operations were shutdown in 1988. From 1988 to 1991, a portion of the high bay area was used for various metals finishing operations including electro and electroless nickel planting. In addition, compressor and valve rebuilding activities were preformed between 1988 and 1992. The building was placed in a standby mode form 1992 to 1994, as part of the S&M, electrical de-energization program. Much of the electrical service to K-1420 was disconnected in 1994/1995. The building and equipment is contaminated with uranium and contains uranium deposits. It is currently classified as a Category 2 Nuclear Facility. The building is currently unusable and requires continuous S&M. The purpose of this project is to decontaminate and decommission K-1420 to an endpoint that will make the building available for industrial reuse.

The scope of the work is to D&D the building as well as its associated equipment and facilities in order to allow for potential reuse of the building. The work will be accomplished through the removal of all process equipment and decontamination of the building structure, while minimizing the generation of primary and secondary waste. In addition the K-1421, K-1422 and the associated tank farm will be decontaminated and demolished to

Project Description Narratives

grade. As a minimum the contractor will perform the following activities: project characterization; project documentation; roof structural assessment and repair; D&D activities; waste management, and verification sampling. The final waste volumes expected to be generated are: Hazardous waste (710CF), Mixed Waste (2,852 CF), Low Level Waste (20,142 CF) and solid waste (12,892 CF).

The technical approach to the D&D of K-1420 is to award a fixed price prime contract for the stated scope. The building will be decontaminated to the following end point criteria: the floors, walls, ceilings, and remaining equipment to meet the removable surface contamination limits specified in DOE Order 5400.5 and supplemented with NRC Regulatory Guide 1.86 for TRU contamination. Areas of fixed contamination will not be decontaminated to the limits of DOE Order 5400.5. Physical and administrative controls may be used to limit access to areas of fixed contamination. A supplemental release criteria is the use of a pathways analysis to calculate the total effective dose equivalent (TEDE), using the DOE recommended RESRAD-BUILD code. The TEDE above background (excluding radon) to a building occupant will be less than 15 mrem per year upon completion of the contract. The independent verification contractor will verify that the endpoint criteria for the building has been reached.

Project Status in FY 2006:

The activities in all three buildings (K-29, K-31 and K-33) will be completed. Building K-1420 will be available for re-use

Post-2006 Project Scope:

There is no Post 2006 Scope in this PBS.

Project End State

All three Gaseous Diffusion buildings and the K-1420 will be available for industrial occupancy in a brownfield industrial state/standard.

Cost Baseline Comments:

The costs in this PBS are based on the BNFL Baseline for the ETTP Three Building D&D and Recycle Project and the DRS estimate for the K-1420 D&D Project.

Safety & Health Hazards:

Hazards narrative will be provided by DOE-ORO.

Safety & Health Work Performance:

Work performance narrative will be provided by DOE-ORO.

PBS Comments:

Baseline Validation Narrative:

Both projects are fixed price contracts. An independent government estimate was developed for each contract as a basis for comparison. The costs were negotiated prior to award of the contracts. A DCAA audit was conducted on the Three-Building D&D and portions of the K-1420 projects.

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

General PBS Information

Project Validated? Yes **Date Validated:** 11/14/1997

Has Headquarters reviewed and approved project? No

Date Project was Added: 3/10/1999

Baseline Submission Date: 7/1/1999

FEDPLAN Project? Yes

Drivers:

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

Project Identification Information

DOE Project Manager: Jack Howard

DOE Project Manager Phone Number: 423-576-5982

DOE Project Manager Fax Number: 423-241-3314

DOE Project Manager e-mail address: howardjl@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)	309,965	0	309,965			28,966	22,213	60,599	69,600	61,200	52,100	35,100	2,400	0	0
PBS Baseline (constant 1999 dollars)	299,855	0	299,855			28,966	22,213	60,599	68,168	58,708	48,951	32,300	2,163	0	0
PBS EM Baseline (current year dollars)	309,965	0	309,965			28,966	22,213	60,599	69,600	61,200	52,100	35,100	2,400	0	0

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

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 EM Baseline (constant 1999 dollars)	299,855	0	299,855			28,966	22,213	60,599	68,168	58,708	48,951	32,300	2,163	0	0

	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)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (constant 1999 dollars)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	0.00%	0.00%	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:

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

Project Reconciliation

Previously Projected End Date of Project:

Current Projected End Date of Project: 12/31/2003

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:**	**Actual 1998 Cost:** 22,213
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	-22,213	**Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):**	-600
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	-22,813		

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):		
Cost Associated with New Scope (+):		
Cost Growth Associated with Scope Previously Reported (+):		
Cost Reductions Due to Science & Technology Efficiencies (-):		
Subtotal:	-22,813	
Additional Amount to Reconcile (+):	293,702	
Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	**270,889**	

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
ORO Prime Contracts - Project Start	OR493-001		8/25/1997								
ORO Prime Contracts - Project Complete.	OR493-002		12/31/2003								
Complete Process Building Turnover - K-33	OR493-003		3/30/2001								

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Complete Process Building Turnover - K-31	OR493-004		11/1/2002								
Complete Process Building Turnover - K-29	OR493-005		9/2/2003								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critial Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
ORO Prime Contracts - Project Start	OR493-001			Y							Project Start, the Scope in this PBS was in a previous PBS.
ORO Prime Contracts - Project Complete.	OR493-002				Y	Y					The completion of the ETTP Three Building D&D recycle project.
Complete Process Building Turnover - K-33	OR493-003										Complete Process Building Turnover - K-33
Complete Process Building Turnover - K-31	OR493-004										Complete Process Building Turnover - K-31
Complete Process Building Turnover - K-29	OR493-005		Y				3	1	1		Complete Process Building Turnover - K-29

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	Planne 20(
RS														
Assess.	NR	2.00	0.00	2.00						2.00				
RS														
Cleanup	NR	2.00	0.00	2.00										
Fac.														
Decom.- Assess.	NF	1.00	0.00	1.00						1.00				

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

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	Planne 20(
Fac.														
Decom- Cleanup	NF	3.00	3.00	6.00								1.00	2.00	
MLLW														
Comm. Disp.	M3	0.00	0.00	0.00	0.00		0.00							
Rem. Waste														
Disposed	M3	7,042.00	0.00	7,042.00					6,982.00	60.00				

Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035
RS													
Assess.	NR												
RS													
Cleanup	NR		2.00										
Fac.													
Decom.- Assess.	NF												
Fac.													
Decom- Cleanup	NF					3.00							
MLLW													
Comm. Disp.	M3												
Rem. Waste													
Disposed	M3												

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

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

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
RS										
Assess.	NR									2.00
RS										
Cleanup	NR									2.00
Fac.										
Decom.- Assess.	NF								3.00	6.00
Fac.										
Decom- Cleanup	NF									6.00
MLLW										
Comm. Disp.	M3									3,537.00
Rem. Waste										
Disposed	M3									60.00

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	1090		RAIMS Unit #1449 \ K-762 Switchyard Soils	Above Ground Material / Waste/Debris Piles	2000	2000		2005	2005			N		N
ORTN	1091		RAIMS Unit #1450 \ K-792 Switchyard Soils	Above Ground Material / Waste/Debris Piles	2000	2000		2005	2005			N		N

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
ORTN	0297		RAIMS Unit #338 \ K-762 Valve Vaults 1 & 2	Buildings & Equipment\Equipment	Non-Nuclear Facility	2000	2000					2008	2008		1992	N		Y

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: **0142**

Project **OR-493 / ETTP - ORO Prime Contracts**

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	0313		RAIMS Unit #337 \ K-762 Switchyard	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	2000	1999	9/1/1999				2008	1999		1992	N		N
ORTN	0314		RAIMS Unit #344 \ K-792 Switchyard	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	2000	1999	9/1/1999				2008	1999		1992	N		N
ORTN	0324		RAIMS Unit #246 \ K-29 Process Building	Buildings & Equipment\Other Buildings	Nuclear Facility, Category 2		2000					2003	2003		1992	N		Y
ORTN	3046		RAIMS Unit #2333 \ K-31 Process Building	Above Ground Material / Waste\Debris Piles	Nuclear Facility, Category 2							2002	2002			N		Y
ORTN	3047		RAIMS Unit #2334 \ K-33 Process Building	Above Ground Material / Waste\Debris Piles	Nuclear Facility, Category 2							2003	2003			N		Y