Uranium Enrichment Decontamination and Decommissioning Fund

Proposed Appropriation Language

For necessary expenses in carrying out uranium enrichment facility decontamination and decommissioning, remedial actions, and other activities of title II of the Atomic Energy Act of 1954 and title X, subtitle A, of the Energy Policy Act of 1992, $418,124,000 to be derived from the Fund, to remain available until expended: Provided, That $51,000,000 of amounts derived from the Fund for such expenses shall be available in accordance with title X, subtitle A, of the Energy Policy Act of 1992.

Note.—A regular 2003 appropriation for this account had not been enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 105–229, as amended). The amounts included for 2003 in this budget reflect the Administration's 2003 policy proposals.

Explanation of Change

This appropriation reflects EM's new budget structure to support the budget planning and execution of the accelerated risk reduction and cleanup initiative. The new budget structure focuses resources on risk reduction and closure and clearly delineates how resources will be utilized. (i.e., for direct cleanup activities or for other activities only indirectly related to cleanup activities). In the FY 2004 budget, this appropriation consolidates funding for activities that maintain, decontaminate, decommission and otherwise remediate the gaseous diffusion plants.

Uranium Enrichment Decontamination and Decommissioning Fund

Program Mission

The Environmental Management (EM) program is responsible for managing and addressing the environmental legacy resulting from the production of nuclear weapons and nuclear research. The nuclear weapons complex generated waste, pollution, and contamination which pose unique problems, including unprecedented volumes of contaminated soil and water, radiological hazards from special nuclear material, and a vast number of contaminated structures. Factories, laboratories, and thousands of square miles of land were devoted to the enterprise of producing tens of thousands of nuclear weapons in the name of national security. Much of this massive infrastructure, waste, and contamination still exists and is largely maintained, decommissioned, managed, and remediated by the EM program, which is sometimes referred to as the "cleanup program." EM's responsibilities include facilities and areas at 114 geographic sites. These sites are located in 31 states and one territory and occupy an area equal to that of Rhode Island and Delaware combined -- or about two million acres.

The Uranium Enrichment Decontamination and Decommissioning Fund was established by the Energy Policy Act of 1992 to carry out environmental management responsibilities at the nation's three gaseous diffusion plants. The plants are located at the Paducah site in Kentucky, the Portsmouth site in Ohio and in the East Tennessee Technology Park in Oak Ridge, Tennessee. The Fund includes contributions from annual appropriations and contributions from commercial utilities based upon historical purchases of enrichment services. The Energy Policy Act also directs that the Fund be used to reimburse licensees operating uranium or thorium processing sites for the cost of environmental cleanup at those sites, subject to a site specific reimbursement limit.

The FY 2004 request for the Uranium Enrichment Decontamination and Decommissioning Fund appropriation is $418,124,000, an increase of $119,635,000, from the comparable FY 2003 Request of $298,489,000.

Program Strategic Performance Goals

EM is aggressively transitioning from a program based on risk management and containment to one focused on accelerated risk reduction and cleanup. Performance measurement is integral to the success of the EM program in achieving its accelerated risk reduction and cleanup objectives. EM's Program Strategic Performance Goals which reflects the new EM focus on accelerated risk reduction and cleanup are:

1. Complete geographic site cleanup at 89 of the 114 cleanup sites by the end of FY 2006. Continue cleanup at the remaining sites, including the five largest sites, scheduled for completion in the post 2006 timeframe.

Performance Indicators

- Number of geographic sites completed.

- Number of release sites remediated.
- Number of nuclear facilities completed.
- Number of radioactive facilities completed.
- Number of industrial facility completed.
- Number of material access areas eliminated.

2. Safely and expeditiously dispose of waste generated during past and current DOE activities. Continue shipment of transuranic waste for disposal at the Waste Isolation Pilot Plant.

Performance Indicators

- Liquid waste eliminated (millions of gallons).
- Number of liquid tanks closed.
- Canisters of high-level waste packaged for final disposition.
- Transuranic waste shipped for disposal at the Waste Isolation Pilot Plant (cubic meters).
- Low-level waste/mixed low-level waste disposed (cubic meters).

3. Stabilize nuclear material and spent nuclear fuel by producing safer chemical and/or physical forms of the material, and reduce the level of potential risk to personnel from radiation exposure and to the environment from contamination.

Performance Indicators

- Certified DOE storage/treatment/disposal 3013 containers (or equivalent) of plutonium metal or oxide packaged ready for long-term storage.
- Certified containers of enriched uranium packaged ready for long-term storage.
- Plutonium or uranium residues packaged for disposition (kg of bulk material).
- Spent Nuclear Fuel packaged for final disposition (metric tonnes of heavy metal).
- Depleted and other Uranium packaged for disposition (metric tonnes).

Annual Performance Results and Targets [a]

	FY 2002 Actuals	FY 2003 Estimate	FY 2004 Estimate
Uranium Enrichment Decontamination and Decommissioning			
Low-Level and Mixed Low-Level Waste disposed (cubic meters)	4,143	3,878	1,218
Nuclear Facility Completions (number of facilities)	0	0	0
Radioactive Facility Completions (number of facilities)	0	0	3
Industrial Facility Completions (number of facilities)	0	7	14
Remediation Complete (number of release sites)	0	6	3

[a] This chart provides a consistent set of performance measures for the EM program. The more detailed project-level justification provides a description of significant activities for each project including project-specific milestones, as applicable.

Funding Profile

(dollars in thousands)

	FY 2002 Comparable Appropriation	FY 2003 Original Request	FY 2003 Adjustments	FY 2003 Comparable Request	FY 2004 Request
Uranium Enrichment Decontamination and Decommissioning Fund					
Uranium Enrichment D&D Fund	308,517	298,489	0	298,489	418,124
Subtotal, Uranium Enrichment Decontamination and Decommissioning Fund	308,517	298,489	0	298,489	418,124
Use of Prior Year Balances	-3,000	0	0	0	0
Total, Uranium Enrichment Decontamination and Decommissioning Fund	305,517	298,489	0	298,489	418,124

Public Law Authorization:

Public Law 95-91, “Department of Energy Organization Act (1977)”

Public Law 103-62, “Government Performance and Results Act of 1993"

Public Law 106-377, “The Energy and Water Development Appropriations Act, 2001"

Public Law 106-398, “National Defense Authorization Act for Fiscal Year 2001"

Public Law 107-66, “The Energy and Water Development Appropriations Act, 2002"

Funding by Site

(dollars in thousands)

	FY 2002 Comparable Appropriation	FY 2003 Request	FY 2004 Request	$ Change	% Change
Headquarters					
Headquarters	1,000	1,000	51,000	50,000	5000.0%
Oak Ridge					
East Tennessee Technology Park	113,818	155,889	166,071	10,182	6.5%
Oak Ridge Reservation	0	0	1,288	1,288	100.0%
Total, Oak Ridge Operations Office	113,818	155,889	167,359	11,470	7.4%
Paducah					
Paducah Gaseous Diffusion Plant	104,894	73,462	118,871	45,409	61.8%
Portsmouth					
Portsmouth Gaseous Diffusion Plant	88,805	68,138	80,894	12,756	18.7%
Subtotal, Uranium Enrichment Decontamination and Decommissioning Fund	308,517	298,489	418,124	119,635	40.1%
Use of Prior Year Balances	-3,000	0	0	0	>99.9%
Total, Uranium Enrichment Decontamination and Decommissioning Fund	305,517	298,489	418,124	119,635	40.1%

Uranium Enrichment Decontamination and Decommissioning Fund

Mission Supporting Goals and Measures

The Uranium Enrichment Decontamination and Decommissioning Fund supports environmental management activities and responsibilities at the nation's three gaseous diffusion plants located at the Paducah site in Kentucky, the Portsmouth site in Ohio, and in the East Tennessee Technology Park in Oak Ridge Tennessee. The fund addresses cleanup liabilities that are attributable to historical DOE operations for weapons and commercial fuel. Environmental management activities include the decontamination and decommissioning of contaminated facilities, waste treatment and disposal operations, and surveillance and maintenance of facilities to ensure safety. Also included are funds for post closure contract liabilities.

The fund also reimburses licensees (subject to a site specific limit) for the cost of environmental cleanup of uranium and thorium processing sites attributable to materials sold to the Government.

Subprogram Goals

Since submittal of the FY 2003 Congressional Budget, EM has made significant progress towards defining the risk reduction cleanup strategies at each of its sites. Letters of Intent have been signed with many of our state and Environmental Protection Agency regulatory authorities. These Letters of Intent are significant because they lay the foundation to move forward with the implementation of EM's accelerated risk reduction and cleanup strategies. Performance Management Plans have been developed by each site that was included or otherwise covered by a signed Letter of Intent. The Performance Management Plan articulates key milestones and commitments that demonstrate sites are accelerating risk reduction and cleanup. From the Performance Management Plan, an integrated resource loaded project baseline will be developed that EM will use to manage and track risk reduction and real cleanup progress.

Performance Indicators

Performance measurement will be a key component of the new Plan of Action. Measures will consist both of "corporate" measures that provide a programmatic perspective on progress and project-specific milestones that will demonstrate progress relative to the site Performance Management Plans.

The corporate measures are quantitative and focus on the completion of sites, the interim steps necessary to complete sites, and the accomplishment of risk-reduction activities. The corporate measures that will be used to track progress toward the renewed focus on risk reduction and cleanup are:

- Number of Containers of Plutonium Metal/Oxide Stabilized and Packaged for Long-Term Storage;
- Kilograms of Enriched Uranium Stabilized and Packaged for Long-Term Storage [a];

[a] Performance measures will be developed to collect this information.

- Number of Material Access Areas Eliminated; [a]
- Kilograms Bulk of Plutonium Residues Stabilized, Packaged and Disposed;
- Cubic Meters of Transuranic Waste Stabilized, Packaged and Disposed;
- Kilograms of Depleted Uranium Packaged and Disposed; [a]
- Metric Tonnes of Spent Nuclear Fuel Packaged for Disposal;
- Canisters of High-Level Waste Processed, Packaged, and Disposed;
- Gallons of Liquid Waste Stabilized and Disposed; [a]
- Number of Liquid Waste Tanks Closed; [a]
- Number of EM Geographic Sites Eliminated;
- Cubic Meters of Low-Level/Low-Level Mixed Waste Packaged and Disposed;
- Number of Buildings/Facilities Deactivated, Decommissioned and Dismantled;
- Square Feet of Contaminated Areas Reduced/Eliminated; [a] and,
- Number of Release Sites Evaluated, Remediated, and Closed Out.

The corporate measures will be complemented by project-specific measures consistent with the site Performance Management Plans and Letters of Intent. Those project-specific measures are typically milestones that signify that a project and site are on track to meet established schedules. Detailed performance measure and milestone information can be found in the site details that follow this program overview.

The Office of Environmental Management is currently in the process of establishing site resource-loaded baselines which are expected to be completed during FY 2003. The establishment of these site baselines will enable the program to more meaningfully monitor and evaluate actual performance against the new accelerated baselines. The Office of Environmental Management believes significant strides have been made in its ability to monitor and demonstrate performance through the establishment of new corporate measures, implementation of a strict configuration management system, and the expected completion of new accelerated site baselines in FY 2003. The Office of Environmental Management acknowledges that the program needs to continue to improve upon the progress made to date to further project management techniques and associated cost and schedule performance measures. This will enable EM to demonstrate more clearly performance in meeting the program goals of accelerated risk reduction and site cleanup, thereby reducing life-cycle costs.

[a] Performance measures will be developed to collect this information.

Annual Performance Results and Targets [a]

	FY 2002 Actuals	FY 2003 Estimate	FY 2004 Estimate
Uranium Enrichment Decontamination and Decommissioning			
Low-Level and Mixed Low-Level Waste disposed (cubic meters)	4,143	3,878	1,218
Nuclear Facility Completions (number of facilities)	0	0	0
Radioactive Facility Completions (number of facilities)	0	0	3
Industrial Facility Completions (number of facilities)	0	7	14
Remediation Complete (number of release sites)	0	6	3

Significant Program Shifts

- *Comparabilities*. The FY 2004 request has been prepared on a comparable basis. All activities and funds are displayed for FY 2002 and FY 2003 as if they were appropriated in the same appropriation and program account under which they are requested in FY 2004. The FY 2002 and FY 2003 Appropriations have been adjusted to reflect the following comparabilities: movement of projects and/or activities between appropriations and/or program accounts; shifts of projects and/or activities between sites, as applicable.

[a] This chart provides a consistent set of performance measures for the EM program. The more detailed project-level justification provides a description of significant activities for each project including project-specific milestones, as applicable.

Funding by Site

(dollars in thousands)

	FY 2002 Comparable Appropriation	FY 2003 Request	FY 2004 Request	$ Change	% Change
Headquarters					
Headquarters	1,000	1,000	51,000	50,000	5000.0%
Oak Ridge					
East Tennessee Technology Park	113,818	155,889	166,071	10,182	6.5%
Oak Ridge Reservation	0	0	1,288	1,288	100.0%
Total, Oak Ridge Operations Office	113,818	155,889	167,359	11,470	7.4%
Paducah					
Paducah Gaseous Diffusion Plant	104,894	73,462	118,871	45,409	61.8%
Portsmouth					
Portsmouth Gaseous Diffusion Plant	88,805	68,138	80,894	12,756	18.7%
Total, Uranium Enrichment Decontamination and Decommissioning Fund	308,517	298,489	418,124	119,635	40.1%

Funding Schedule

(dollars in thousands)

	FY 2002 Comparable Appropriation	FY 2003 Request	FY 2004 Request	$ Change	% Change
HQ-UR-0100/Reimbursements to Uranium/Thorium Licensees	1,000	1,000	51,000	50,000	5000.0%
OR-0040/Nuclear Facility Decontamination and Decommissioning-East Tennessee Technology Park (Decontamination and Decommissioning Fund)	105,116	146,715	151,163	4,448	3.0%
OR-0102/East Tennessee Technology Park Contract/Post-Closure Liabilities/Administration	8,702	9,174	14,908	5,734	62.5%
OR-0103/Oak Ridge Reservation Community and Regulatory Support (Decontamination and Decommissioning Fund)	0	0	1,288	1,288	100.0%
PA-0013/Solid Waste Stabilization and Disposition	21,749	9,440	14,625	5,185	54.9%
PA-0040/Nuclear Facility Decontamination and Decommissioning-Paducah (Uranium Enrichment Decontamination and Decommissioning Fund)	75,967	58,447	97,137	38,690	66.2%
PA-0102/Paducah Contract/Post-Closure Liabilities/Administration (Uranium Enrichment Decontamination and Decommissioning Fund)	5,455	4,169	5,119	950	22.8%
PA-0103/Paducah Community and Regulatory Support (Uranium Enrichment Decontamination and Decommissioning Fund)	1,723	1,406	1,990	584	41.5%
PO-0013/Solid Waste Stabilization and Disposition	35,409	25,676	49,682	24,006	93.5%
PO-0040/Nuclear Facility Decontamination and Decommissioning-Portsmouth (Uranium Enrichment Decontamination and Decommissioning Fund)	44,780	41,962	30,602	-11,360	-27.1%
PO-0103/Portsmouth Contract/Post-Closure Liabilities/Administration (Uranium Enrichment Decontamination and Decommissioning Fund)	8,616	500	610	110	22.0%
Total, Uranium Enrichment Decontamination and Decommissioning Fund	308,517	298,489	418,124	119,635	40.1%

Detailed Program Justification

(dollars in thousands)

FY 2002	FY 2003	FY 2004

HQ-UR-0100 / Reimbursement to Uranium/Thorium Licensees (life-cycle estimate $496,125K) **1,000** **1,000** **51,000**

This PBS scope reimburses the fourteen active uranium and thorium processing site licensees for a portion (the Federal-related byproduct material portion determined to be at each site) of their costs of cleanup pursuant to Title X of the Energy Policy Act of 1992 and 10 CFR Part 765. The maximum reimbursement to the individual uranium licensees is limited to $6.25 per dry short ton of Federal-related by product material; and total reimbursement to all thirteen uranium licensees and the thorium licensee is limited to $350 million and $365 million respectively (Congress has increased the original reimbursement ceilings four times since the original Act was enacted in 1992). These monetary ceilings are adjusted annually for inflation. Funding for the reimbursements is appropriated from the Uranium Enrichment Decontamination and Decommissioning Fund. DOE is implementing the reimbursement program using Federal staff to review and process claims. The Defense Contract Audit Agency assists DOE in the auditing of claims. At the end of FY 2002, reimbursements have been completed for two sites (ARCO-Bluewater mill site and the Moab mill site) with no further Title X liability. In addition, Tennessee Valley Authority has completed remedial action at its Edgemont mill site. The remaining eleven licensees anticipate completing remedial actions by 2013. Total estimated future liability, including excess claims, for the program is about $291 million, which is within the remaining authority. Through FY 2002, DOE has reimbursed the thirteen uranium licensees $213.5 million and the thorium licensee $155.7 million, for an aggregate reimbursement amount of $369.2 million. (Former PBS was HQ-4000).

- In FY 2004 provide for payment of approved Uranium/Thorium licensee claims for cleanup completed. Note: A table displaying the status of payments by licensee can be found at the end of the Uranium Enrichment Decontamination and Decommissioning Fund budget.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
No metrics associated with this PBS.						

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Continued to annually reimburse uranium and thorium licensees for a portion (the Federal-related byproduct material at each site) of their costs of cleanup in accordance with Title X of the Energy Policy Act of 1992 and 10 CFR Part 765 (FY 2002/FY 2003/FY 2004).

(dollars in thousands)

FY 2002	FY 2003	FY 2004

OR-0040 / Nuclear Facility Decontamination and Decommissioning - East Tennessee Technology Park (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $1,796,950K) . . . **105,116** **146,715** **151,163**

This PBS scope covers decommissioning of facilities and remedial actions for contaminated sites at the East Tennessee Technology Park (the former K-25 Gaseous Diffusion Plant) in Oak Ridge, Tennessee. It also funds a portion of site infrastructure services, including fire protection, utility services, environmental, safety and health programs, real property management, power operations, and maintenance, capital improvements and repairs.

Of the 5,000 acre footprint, there are 2,000 acres with the potential of contamination. There are known groundwater contaminant plumes from former burial grounds and contaminated soils, resulting in 140 release sites to be remediated. In addition, there are approximately 161 facilities, including 125 major buildings, that require decommissioning or transfer to the private sector. This closure project is being accomplished in accordance with the Oak Ridge Performance Management Plan and a federal facilities cleanup agreement with the State of Tennessee and the Environmental Protection Agency. The plan is to close the East Tennessee Technology Park in 2008; this will include remediation of the 140 release sites and decommissioning or transfer of the 161 facilities. To date, 65 facilities have been decommissioned and 18 release sites have been remediated. The accelerated cleanup strategy is to complete targeted remedial actions in Zone 1 and facility decommissioning and then follow with a comprehensive remedial action for the main plant area (Zone 2).

This PBS also funds the East Tennessee Technology Park Three-Building Decontamination and Decommissioning Recycle subproject. The East Tennessee Technology Park site is currently conducting the largest decommissioning effort in DOE history. It includes over 110 acres of floor space (4.9 million square feet) for decontamination and decommissioning. This "three building" subproject is over 80 percent complete and will be completed in 2004. In addition, equipment removal for the final two uranium enrichment buildings (K-25/27) will begin in 2004. The appropriation for this subproject was $73,826,000 in FY 2002, and $70,719,000 in FY 2003. The request for FY 2004 is $29,500,000. For more information on this subproject, a Subproject Detail Description is included in the Appendix of this budget document. (Former PBSs were OR-193; OR-423; OR-433; OR-443; OR-493).

In FY 2004, the following activities are planned to support the accelerated cleanup of East Tennessee Technology Park by 2008.

- Complete the East Tennessee Technology Park Three-Building Decontamination and Decommissioning and Recycling subproject in FY 2004.
- A draft Record of Decision for Zone 2 will be prepared so that a Comprehensive Environmental Response, Compensation, and Liability Act remediation decision can be made in FY 2005 for the balance of the East Tennessee Technology Park site (the Zone 1 decision is planned for FY 2003).
- Initiate equipment removal and continue hazardous material abatement in K-25 and K-27 buildings. K-25 is the largest and one of the most contaminated process buildings on site. Both these buildings are on the critical path.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

- Demolition of buildings in the K-1064 Peninsula, Poplar Creek, and Balance of Site areas will be progressing so that underlying soil can be remediated per the Zone 2 Record of Decision. All of these actions are on the critical path schedule to close the East Tennessee Technology Park site in 2008.
- A portion of site infrastructure services including fire protection, utility services, environmental, safety, and health programs, real property management, power operations and maintenance, and capital improvements and repairs will be provided.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
Low-Level and Mixed Low-Level Waste disposed (cubic meters) . .	0	0	0	5,178	5,178	100%
Nuclear Facility Completions (number of facilities)	0	0	0	2	12	17%
Radioactive Facility Completions (number of facilities)	0	0	3	4	6	67%
Industrial Facility Completions (number of facilities)	0	7	14	85	143	59%
Remediation Complete (number of release sites)	0	1	2	21	140	15%

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- This project completed roughly 40% of the excavation of the one-acre K-1070-A Contaminated Burial Ground (FY 2002).
- Completed demolition of four Main Plant Area facilities (FY 2002).
- Completed action memorandum for K-1064 decommissioning project (FY 2002).
- Completed hazardous material abatement in six building units of the K-25 Building (six units is 11% of the total work) (FY 2002).
- Completed remedial actions at the Powerhouse Area (FY 2002).
- Completed equipment removal decommissioning in building K-33 (FY 2002).
- Continued equipment removal in building K-31 (FY 2002).
- Began decontamination in building K-33 (FY 2002).

(dollars in thousands)

FY 2002	FY 2003	FY 2004

- Begin dismantlement and disposition of the Building K-29 converters (September 2003).
- Transfer five facilities to the Community Reuse Organization of East Tennessee (September 2003).
- Approve Zone 1 Record of Decision (September 2003).
- Initiate equipment removal in buildings K-25 and K-27 (September 2004).
- Transfer five facilities to the Community Reuse Organization of East Tennessee (September 2004).
- Complete equipment removal in buildings K-31 and K-29 (September 2004).
- Complete decontamination in buildings K-33, K-31 and K-29 (September 2004).
- Closeout three building decommissioning projects and return building control to DOE for reuse (September 2004).

OR-0102 / East Tennessee Technology Park Contract / Post Closure Liabilities / Administration (life-cycle estimate $127,987K) **8,702 9,174 14,908**

This PBS scope supports on-going, long-term obligations and central programs including post retirement medical benefits and long term disability for grandfathered employees, severance/reduction in force costs from workforce transition employees; legacy documents and litigation issues; administration of the Sample Management Office and the National Center of Excellence for Metal Recycle; and Lockheed Martin Energy Systems Contract Closeout.

This PBS includes activities and expenses associated with post retirement life and medical benefits and long-term disability benefits to transitioned Bechtel Jacobs Company employees who supported enrichment facilities programs while working as first or second tier subcontractors. It also covers pre-April 1, 1998, retiree costs and employees on long-term disabilities associated with enrichment facilities programs.

This PBS also includes the Sample Management Office audits commercial laboratories which the EM program uses and coordinates sampling in support of closure activities. Funding for the National Center of Excellence for Metal Recycle facilitates the cost-effective recycle of clean and decontaminated metals and equipment at DOE sites across the country is included in this PBS. Lockheed Martin Energy Systems contract closeout funds are not needed beyond 2004. (Former PBS was OR-193).

In FY 2004, the following activities are planned to support the accelerated cleanup of East Tennessee Technology Park.

- Continue to provide post retirement and other administrative costs.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
No metrics associated with this PBS.						

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- This project supported National Center of Excellence for Metal Recycle, Lockheed Martin Energy Systems contract closeout, post retirement life and medical benefits, legacy documents and litigation, Sample Management Office, severance, and long-term disability benefits. (FY 2002/FY 2003/FY 2004)

OR-0103 / Oak Ridge Reservation Community and Regulatory Support (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $53,973K) . . **0** **0** **1,288**

This PBS scope supports the two Tennessee Agreement-In-Principle grants. The first grant supports the Tennessee Department of Environment and Conservation's independent environmental oversight and monitoring of DOE activities taking place both on-site and off-site at the Oak Ridge Reservation. The second grant provides for coordination with the Tennessee Emergency Management Agency in emergency response planning initiatives, including cooperative planning, conducting joint training exercises and developing public information regarding preparedness activities. This project also supports the Federal Facility Agreement regulatory grant with the Tennessee Department of Environment and Conservation, which provides for the administrative support necessary to oversee the requirements of the interagency agreement under Comprehensive Environmental Response, Compensation and Liability Act. EM will support Agreement-In-Principles until Oak Ridge Operations Office/EM mission completion in 2015. (Former PBS was OR-893).

In FY 2004, the following activities are planned to support the accelerated cleanup of Oak Ridge Reservation.

- Provide financial support for the continued annual monitoring done by the Tennessee Department of Environment of surface water, drinking water, and groundwater. The Tennessee Department of Environment will also complete annual air quality monitoring, radiological monitoring, and biological/fish and wildlife monitoring to ensure protectiveness.
- The Tennessee Department of Environment will complete is annual report to the public on the year’s key issues and challenges to help ensure the public stays well-informed of Oak Ridge EM activities.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

- Continue emergency response planning activities with the Tennessee Emergency Management Agency.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
No metrics associated with this PBS.						

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Provided financial support to the State of Tennessee for conducting annual monitoring and reporting (FY 2002/FY 2003).
- Coordinated with and provided financial support to the Tennessee Emergency Management Agency for emergency preparedness activities (FY 2002/FY 2003).
- Support the Tennessee Emergency Management Agency in conducting four emergency preparedness exercises and multiple lower level drills and activities (September 2003).
- Continue annual monitoring, reporting, and emergency planning activities (September 2004).

PA-0013 / Solid Waste Stabilization and Disposition (life-cycle estimate $233,933K) **21,749** **9,440** **14,625**

This PBS scope stores, treat, and disposes of all legacy waste generated by activities at the Paducah Gaseous Diffusion Plant prior to 1993, and small quantities of newly generated waste from waste storage, treatment, and disposal operations. Although the United States Enrichment Corporation handles its own waste treatment and disposal, through DOE's lease agreement with them, we remain responsible for some waste streams which are generated by the United States Enrichment Corporation's operation of the plant. DOE handles this waste as newly generated waste. The primary waste streams are low-level, mixed low-level, hazardous, transuranic, polychlorinated biphenyl, and sanitary wastes. The life-cycle scope for low-level and mixed low-level wastes addresses 14,719 m^3 of waste. DOE plans to disposition all the remaining legacy waste by the end of FY 2008. The waste streams have been ranked for treatment and disposal using a risk-based prioritization system. Disposition of waste will reduce risk and storage costs. Disposition of the legacy waste is critical to accelerating the cleanup of the site. (Former PBS was OR-553).

In FY 2004, the following activities are planned to support the accelerated cleanup of Paducah.

- Continue to store over 14,000 cubic meters of legacy waste and characterize, treat, and dispose 75 cubic meters of legacy waste to reduce risks and reduce storage costs to support the accelerated cleanup of the site. Plans are to complete disposition of the legacy waste by the end of FY 2008.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
Low-Level and Mixed Low-Level Waste Disposed (cubic meters) . .	0	1,875	75	2,633	14,719	18%

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Shipped four cubic meters of hazardous waste for reclamation and/or treatment (FY 2002).
- Recycled 913 non-radiological lead/acid batteries (FY 2002).
- Disposed of seven boxes of non-polychlorinated biphenyl capacitors and three boxes of Lithium batteries (~0.2m^3) (FY 2002).
- Issued the Landfill environmental assessment and Finding of No Significant Impact (FY 2002).
- Completed repackaging and sampling of 1,250m^3 of low-level waste (FY 2002).
- Dispose of 405 cubic meters of low level waste (September 2003).
- Dispose of 160 cubic meters of mixed low level waste (September 2003)
- Dispose of 350 cubic meters of polychlorinated biphenyl waste (September 2003).
- Ship 10 cubic meters of polychlorinated biphenyl/hazardous low-level liquids and 160 cubic meters of mixed low-level solids for incineration (September 2003).
- Dispose of 3,200 empty Resource Conservation and Recovery Act and polychlorinated biphenyl containers (September 2003).
- Disposition the remaining inventory (1,150 cubic meters) of legacy low-level waste stored outside (September 2003).
- Sort, sample, repackage, characterize and dispose of 850 (of remaining 3,210) cubic meters of polychlorinated biphenyl waste in current inventory (September 2003).
- Disposition 75 cubic meters of low-level legacy waste (September 2004).
- Disposition the entire transuranic legacy waste inventory of 14 cubic meters (September 2004).

(dollars in thousands)

FY 2002	FY 2003	FY 2004

PA-0040 / Nuclear Facility Decontamination and Decommissioning Paducah (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $777,759K) **75,967** **58,447** **97,137**

This PBS scope for environmental cleanup and risk reduction through focused response actions and performs surveillance and maintenance activities at the Paducah Gaseous Diffusion Plant. Environmental problems include on- and off-site groundwater contamination, which had contaminated off-site residential water wells; and contaminated surface water, sediments and soil, with both radioactive and chemical contaminants.

There are ten scrap yards containing approximately 51,000 tonnes of scrap; twelve burial grounds containing a variety of radioactive and hazardous wastes; 52,000 drum equivalents of low-level and/or hazardous chemical waste in storage and 160 DOE Material Storage Areas that must be characterized and dispositioned; and several contaminated surplus facilities which must be decontaminated and decommissioned. More than 235 release sites were originally identified. To date, 82 release sites have been addressed at the Paducah Gaseous Diffusion Plant.

The original cleanup plan included in the 1998 Federal Facility Agreement assumed completed remediation in FY 2010. Subsequent to approval of the Federal Facility Agreement, requirements from the regulatory agencies led to significant scope growth and a resulting projected completion date of FY 2023. The identified cleanup funding provides for accelerated cleanup of high-risk areas under the Federal Facility Agreement, while reducing overall cost. The acceleration would result in completion by about 2017 if the most conservative scope of work must be performed, and as early as 2006 if agreement is achieved on deferring low risk scope until final site closure. Accelerated cleanup and reduced cost will be accomplished by focusing on source areas that pose a real risk, demonstrating a bias for action by expediting the decision-making process, replacing conservative requirements with commercial standards, and implementing innovative contracting approaches.

Paducah Gaseous Diffusion Plant is an active uranium enrichment facility surrounded by a wildlife management area. The current and future land uses at Paducah Gaseous Diffusion Plant are assumed to be industrial areas located primarily inside the security fence, recreational areas located outside the security fence, with adjacent private property, including some residential areas. DOE continues to work with the regulators and stakeholders regarding the scope of the environmental cleanup required before final site closure. DOE has proposed under its FY 2006 completion baseline to defer low risk cleanup until final site closure, depending upon the results of a site-wide risk assessment. This would allow burial grounds to be capped and monitored to ensure protectiveness, pending the final site closure. Groundwater protectiveness will be achieved through a combination of institutional controls, removal of significant sources of trichloroethylene at C-400, and enhanced monitoring. By addressing significant contaminant sources, the need for surface water remedial actions is eliminated. Accelerated decommissioning of surplus facilities will significantly reduce mortgage costs. Once cleanup of the high-risk areas has been completed, monitoring will assess the effectiveness of the cleanup until gaseous diffusion operations cease. At that time a final decision will be made regarding cleanup of the gaseous diffusion plant and the residual risk that remains.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

Surveillance and maintenance activities maintain contaminated sites and facilities in a safe and compliant state prior to cleanup and ensures protection against contaminant migration following cleanup. DOE Material Storage Areas have been alleged to contain unpermitted hazardous and mixed wastes. There are 160 DOE Material Storage Areas on the Paducah Site storing an estimated 880,000 ft^3 of material. DOE has proposed to the Commonwealth of Kentucky to have all of the material removed from all of the DOE Material Storage Areas by the end of FY 2009 based on consistent risk prioritization with the other cleanup projects on the site. Potential high risk DOE Material Storage Area characterization would be completed by the end of FY 2004. Lower risk DOE Material Storage Area characterizations would be completed by the end of FY 2007. (Former PBSs were OR-523 and OR-543).

In FY 2004, the following activities are planned to support the accelerated cleanup of Paducah Gaseous Diffusion Plant.

- Process 3,000 tonnes of classified scrap metal and process and dispose of 12,000 tonnes of other scrap metal out of a total of 51,000 tonnes.
- Complete the North/South Diversion Ditch excavation inside the plant fence.
- Complete characterization for 34 DOE Material Storage Areas and initiate characterization of 35 additional DOE Material Storage Areas.
- Prepare Sectors 2 and 3 in C-410 for dismantling and removal of all piping and equipment.
- Dismantle and remove all piping and equipment from Sector 1 in building C-410 and Sector 9 immediately outside of C-410.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
Radioactive Facility Completions (number of facilities)	0	0	0	0	2	0%
Remediation Complete (number of release sites)	0	3	1	86	236	36%

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Completed construction of the scrap metal sedimentation basin and ditches (FY 2002).
- Completed the infrastructure work and mobilization for the scrap metal removal project (FY 2002).
- Signed the Record of Decision for the North/South Diversion Ditch (FY 2002).

(dollars in thousands)

FY 2002	FY 2003	FY 2004

- Completed Lasagna (In-Situ Soil Remediation) one year ahead of schedule (FY 2002).
- Removed three Underground Storage Tank and closed one (FY 2002).
- Replaced 22 monitoring wells at C-746-S&T and C-746-U Landfills with a total of 37 new wells (FY 2002).
- Completed characterization for 25 DOE Material Storage Areas and initiated characterization of 26 additional DOE Material Storage Areas (FY 2002).
- Approved Action Memorandum for C-410 decontamination and decommissioning project (FY 2002).
- Complete remedial action of North/South Diversion Ditch (December 2003).
- Process 2,000 tonnes of scrap metal and shop 2,000 tonnes of aluminum ingots to disposal (September 2003).
- Install hard piping bypass and storm water basin for the North/South Diversion Ditch and excavated 1,100 linear feet of contaminated ditch (September 2003).
- Complete the Six Phase Treatability Study (September 2003).
- Complete characterization for 13 DOE Material Storage Areas and initiate characterization of 18 additional DOE Material Storage Areas (September 2003).
- Remove scrap metal currently stored in the northwest corner (September 2003).
- Decontaminate and decommission the C-410 feed plant complex (September 2003).
- Process 3,000 tonnes of classified scrap metal and process and dispose of 12,000 tonnes of other scrap metal (September 2004).
- Complete the North/South Diversion Ditch excavation inside the plant fence (September 2004).
- Complete characterization for 34 DOE Material Storage Areas and initiate characterization of 35 additional DOE Material Storage Areas (September 2004).
- Dismantle and remove all piping and equipment from Sector 1 in building C-410 and Sector 9 immediately outside of C-410; prepare Sectors 2 and 3 in C-410 for dismantling and removal of all piping equipment (September 2004).

(dollars in thousands)

FY 2002	FY 2003	FY 2004

PA-0102 / Paducah Contract/Post-Closure Liabilities/Administration (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $44,727K) **5,455** **4,169** **5,119**

This PBS scope supports a contract liability to provide post-retirement life and medical benefits for the Lockheed Martin Energy Systems and Lockheed Martin Utility Services employees, funding for annual Uranium Enrichment Decontamination and Decommissioning Fund audit, and litigation expenses at the Paducah Gaseous Diffusion Plant. DOE is responsible for the post-retirement life and medical benefits for Lockheed Martin Energy Systems and Lockheed Martin Utility Services retirees, disabled, and beneficiaries up to the date of privatization of the United States Enrichment Corporation (July 28, 1998). On-going, long-term obligations and central programs including post retirement medical benefits and long term disability for grandfathered employees, severance/reduction in force costs from workforce transition employees, and legacy documents and litigation issues are maintained. Record searches performed for DOE and the Department of Justice investigations/studies, pending litigation, Freedom of Information Act requests, and information requests from both State and Federal regulatory and elected officials are performed. (Former PBS was OR-593).

In FY 2004, the following activities are planned to support the accelerated cleanup of Paducah.

- Meet required obligations to former Paducah Gaseous Diffusion Plant work force.
- Search 7,000 documents for ongoing lawsuits.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
No metrics associated with this PBS.						

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Met required obligations to former Paducah Gaseous Diffusion Plant work force (FY 2002/FY 2003).
- Searched 10,722 documents (FY 2002).

PA-0103 / Paducah Community and Regulatory Support (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $13,005K) **1,723** **1,406** **1,990**

This PBS scope supports the Agreement-in-Principle grant to the Commonwealth of Kentucky to provide independent oversight of the environmental programs at the Paducah Gaseous Diffusion Plant. Kentucky uses the grant money to provide independent surface water, groundwater, air and other environmental monitoring at Paducah. These funds are not used by the State to provide regulatory

(dollars in thousands)

oversight. The funds from the decontamination and decommissioning account are for activities directly related to the cleanup of the gaseous diffusion plants. Other activities not directly related to decommissioning of the gaseous diffusion plants are covered in the Non-Defense account. Support for these activities from the Uranium Enrichment Decontamination and Decommissioning Fund will continue until final decontamination and decommissioning and remediation of the plant is complete. (Former PBS was OR-593).

In FY 2004, the following activities are planned to support the accelerated cleanup of Paducah.

- Provide financial support to the Commonwealth of Kentucky as required by the Agreement-in-Principle.
- Provide financial and staff support to the Citizens Advisory Board.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
No metrics associated with this PBS.						

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Provided financial support to the Commonwealth of Kentucky as required by the Agreement-in-Principle (FY 2003).

PO-0013 / Solid Waste Stabilization and Disposition (life-cycle estimate $299,266K) **35,409 25,676 49,682**

This PBS scope stores, characterizes, treats, and disposes of legacy waste generated by activities at the Portsmouth Gaseous Diffusion Plant prior to 1993. This will reduce risks and storage costs. The primary waste steams are low-level, mixed low-level, Toxic Substances Control Act-low level, hazardous, and sanitary wastes. The life-cycle estimate for the low-level and mixed low-level wastes to be addressed is 32,972 m^3. Prior to FY 2003, 13,249 m^3 had been dispositioned. DOE plans to disposition all of the remaining legacy waste by the end of FY 2006. The waste streams have been ranked for treatment and disposal using a risk-based prioritization system. This project also implements pollution prevention projects to reduce the generation, volume, toxicity, and release of multi-media waste, to promote the use of non-hazardous materials, and to achieve operating efficiency though the application of pollution prevention principles. Disposal of legacy was is critical to accelerating cleanup of the site. (Former PBS was OR-653).

In FY 2004, the following activities are planned to support the accelerated cleanup of Portsmouth.

- Continue to store, characterize, treat, and dispose of legacy waste to reduce risks and reduce storage costs to support the accelerated cleanup of the site. Because of the higher levels of contamination and hazardous nature, these wastes are the most difficult wastes the site has to handle.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
Low-Level and Mixed Low-Level Waste Disposed (cubic meters) . .	4,143	2,003	1,143	16,395	32,972	50%

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Disposed of 6,300 containers of waste off-site (141,000 ft^3, of which 112,000 ft^3 were low-level waste removed from an outside storage pad) (FY 2002).
- Characterize profiles of 18 low-level waste streams and dispose of one low-level waste stream (September 2003).
- Treat and dispose of five Resource Conservation and Recovery Act low-level waste streams (September 2003).
- Complete the Annual Ohio Pollution Prevention First Initiative Update. Biennial Waste Minimization Report, and Annual Waste Generation and Waste Minimization Report (September 2003).
- Characterize 24 Toxic Substances Control Act low-level waste streams, treat 12 waste streams and dispose of one waste stream (September 2003).
- Disposition 1,143 cubic meters of legacy waste (September 2004).

PO-0040 / Nuclear Facility Decontamination and Decommissioning-Portsmouth (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $4,412,939K) **44,780 41,962 30,602**

Remedial action, surveillance and maintenance, and decontamination and decommissioning activities at the Portsmouth Gaseous Diffusion Plant are necessary due to contamination resulting from the plant's uranium enrichment operations. The Portsmouth mission, which began in 1954, was to enrich uranium for naval and commercial reactors through the gaseous diffusion process. Enrichment operations were shut down in June 2001, and the plant is currently in a cold-standby state. The plant, covers 3,700 acres and is 70 miles south of Columbus, Ohio. Groundwater, sediment and soil contamination exists at the site, contaminants of concern include radioactive technetium-99, polychlorinated biphenyls, trichloroethene, and Resource Conservation and Recovery Act heavy metals. Contamination is not known to have spread off-site.

There are 104 Resource Conservation and Recovery Act Corrective Actions Program Solid Waste Management Units requiring characterization and possible remediation. In addition, there are several

(dollars in thousands)

regulated land disposal units being addressed under the State of Ohio Resource Conservation and Recovery Act Closure and Solid Waste programs. Since cleanup activities began, all initial assessments required under Resource Conservation and Recovery Act have been completed, all ground-water plumes contained on site, and 27 hazardous and solid waste units closed. By the end of FY 2006, all assessments and remedial actions will be completed. DOE will continue to operate active and passive groundwater treatment systems until regulatory-directed cleanup levels are achieved. Surveillance and maintenance of remedial actions, and decontamination and decommissioning of facilities also will continue beyond FY 2006 because of the continuing presence of the United States Enrichment Corporation's activities at the site including advanced centrifuge technology deployment. The end state vision for the site is a controlled federal site with consideration for reindustrialization. This end-state will be reached when decisions on the plant and its role in the Department's uranium enrichment program have been made. (Former PBSs were OR-623 and OR-643).

In FY 2004, the following activities are planned to support the accelerated cleanup of Portsmouth.

- Begin corrective actions in Quadrant II at the X-701 B holding pond and X-701 B groundwater area.
- Complete modifications to the X-622T and X-624 groundwater treatment facilities.
- Continue safe and compliant surveillance and maintenance to ensure contaminated sites are in a safe condition prior to cleanup and to maintain protectiveness following cleanup.
- Operate groundwater treatment facilities.
- Maintain and monitor groundwater wells.
- Operate and maintain winterization systems for Environmental Management facilities.

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
Remediation Complete (number of release sites)	0	2	0	13	27	48%

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Extended a barrier wall at fence line to prevent contamination migration off-site (FY 2002).
- Began installation of phytoremediation treatment of groundwater on the southern end of the Federal reservation addressing sources of potential offsite contaminant migration (FY 2002).
- Installed 11 new wells to extract additional trichloroethylene-contaminated offsite migration groundwater in the Five-Unit Groundwater Plume Area (FY 2002).

(dollars in thousands)

FY 2002	FY 2003	FY 2004

- Complete the installation of the remaining X-749/120 phytoremediation groundwater treatment system addressing sources of potential offsite contaminant migration (September 2003).
- Complete two additional release sites (September 2003).
- Dispose of approximately 3,800 tonnes of contaminated metal from the X-747 H scrap yard addressing potential sources of surface water contamination (September 2003).
- Operate the groundwater treatment system to control groundwater offsite migration (September 2004).
- Complete X-701B groundwater risk reduction and corrective measures implementation (September 2004).

PO-0103 / Portsmouth Contract/Post-Closure Liabilities/Administration (Uranium Enrichment Decontamination and Decommissioning Fund) (life-cycle estimate $20,950K) **8,616** **500** **610**

This PBS scope supports a contractual liability for the post-retirement life and medical benefits for the Lockheed Martin Energy Systems, Lockheed Martin Utility Services, and Ohio Valley Electric Corporation employees and litigation expenses at the Portsmouth Gaseous Diffusion Plant. DOE is responsible for the life-cycle post-retirement life and medical benefits for Lockheed Martin Energy Systems, Lockheed Martin Utility Services and retirees, disabled, and beneficiaries up to the date of privatization of the United States Enrichment Corporation (July 28, 1998). DOE and United States Enrichment Corporation share responsibility for the post-retirement life and medical expenses for Ohio Valley Electric Corporation retirees, disabled, and beneficiaries prior to July 1, 1993. On-going, long-term obligations and central programs including post retirement medical benefits and long term disability for grandfathered employees, severance/reduction in force costs from workforce transition employees, and legacy documents and litigation issues are maintained. Record searches for DOE and the Department of Justice investigations/studies, pending litigation, Freedom of Information Act requests, and information requests from both State and Federal regulatory and elected officials are performed. (Former PBS was OR-693).

In FY 2004, the following activities are planned to support the accelerated cleanup of Portsmouth.

- Meet required obligations to former Portsmouth Gaseous Diffusion Plant work force.

(dollars in thousands)

FY 2002	FY 2003	FY 2004

Metrics	FY 2002	FY 2003	FY 2004	Cumulative Complete FY 2004	Life-cycle Quantity	FY 2004 % Complete
No metrics associated with this PBS.						

Key Accomplishments (FY 2002) / Planned Milestones (FY 2003/FY 2004)

- Met required obligations to former Portsmouth Gaseous Diffusion Plant work force (FY 2002/FY 2003).

Total, Uranium Enrichment Decontamination and Decommissioning Fund	**308,517**	**298,489**	**418,124**

Explanation of Funding Changes

	FY 2004 vs. FY 2003 ($000)
HQ-UR-0100 / Reimbursements to Uranium/Thorium Licensees	
■ Increase in funding reflects the increase in thorium reimbursements required by P.L.107-222, enacted on August 21, 2002..	50,000
OR-0040 / Nuclear Facility Decontamination and Decommissioning - East Tennessee Technology Park (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ Funding requirements in FY 2004 increased due to the initiation of equipment removal at K-25/K-27 while the Three Building project is completing work.	4,448
OR-0102 / East Tennessee Technology Park Contract/Post-Closure Liabilities/Administration	
■ Funding increase in FY 2004 due to increases in Post Retirement Medical Benefits, and the addition of payments into the Pension Benefits.	5,734
OR-0103 / Oak Ridge Reservation Community & Regulatory Support (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ Increase reflects the Uranium Enrichment Decontamination and Decommissioning Fund portion of the Agreement in Principles which was not included in the PBS in FY 2003.	1,288
PA-0013 / Solid Waste Stabilization and Disposition	
■ Increase will fund the entire transuranic legacy waste inventory disposition	5,185

	FY 2004 vs. FY 2003 ($000)
PA-0040 / Nuclear Facility Decontamination and Decommissioning Paducah (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ Increase funding will accelerate the disposal of scrap metal, increase work activities on the C-410 decontamination and decommissioning, and accelerate the cleanup of the DOE Material Storage Areas	38,690
PA-0102 / Paducah Contract/Post-Closure Liabilities/Administration (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ Increased funding to cover the higher cost for the Post-Retirement Medical & Life Benefits	950
PA-0103 / Paducah Community and Regulatory Support (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ No substantial change	584
PO-0013 / Solid Waste Stabilization and Disposition	
■ Increased funding for Portsmouth Waste Management for treatment and disposal of higher contaminated low-level and mixed low-level waste	24,006
PO-0040 / Nuclear Facility Decontamination and Decommissioning - Portsmouth (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ The funding need for Portsmouth Cleanup is reduced in FY 2004 due to the FY 2003 completed installation of the Quadrant I approved Decision Document remedies.	-11,360
PO-0103 / Portsmouth Contract/Post-Closure Liabilities/Administration (Uranium Enrichment Decontamination and Decommissioning Fund)	
■ Increase funding reflects the oversight and cooperative planning between the Department and the State and other regulatory agencies.	110
Total Funding Change, Uranium Enrichment Decontamination and Decommissioning Fund	119,635

Title X of the Energy Policy Act of 1992: Uranium/Thorium Reimbursement Program

Status of Payments through Fiscal Year 2002 and Estimated Future Payments

Licensees	Total Payments FY 1994-FY 2002	Approved but Unpaid Claim Balances After FY 2002 Payment	Estimated Payments: FY 2003 through End of Program	Estimated Unpaid Uranium Claim Balances in Excess of Dry Short Ton Ceilings at End of Program
Uranium				
American Nuclear Corp. Site				
American Nuclear Corporation	820	0	0	0
State of Wyoming	1,224	0	708	0
Atlantic Richfield Company	32,306	0	0	0
Atlas Corporation/Moab Mill Reclamation Trust [a]	9,694	0	0	0
Cotter Corporation	2,458	787	702	760
Dawn Mining	3,399	0	3,830	0
Homestake Mining Company	37,030	0	15,040	0
Pathfinder Mines Corporation	8,411	0	2,579	0
Petromics Company	2,636	0	232	0
Quivira Mining Company	15,292	0	5,632	0
Tennessee Valley Authority	12,679	12,451	3,621	8,494
Umetco Minerals Corporation- CO	44,482	7,392	12,705	9,957
Umetco Minerals Corporation-WY	14,768	0	6,327	881
Western Nuclear, Incorporated	28,292	260	3,343	0
Subtotal, Uranium [b]	213,492	20,891	54,718	20,093

[a] Effective December 30, 1999, the Nuclear Regulatory Commission transferred the license from the Atlas Corporation to a newly created trust approved by a bankruptcy court. In FY 2000 and FY 2001, Title X payments were made to the trust. The license was terminated and DOE assumed title to the site in October 2001. The current trust was dissolved in CY 2002, and a new trust was formed and became eligible for reimbursement of the remaining claim amount that was paid in April 2002. That was the final Title X liability for the Moab site.

[b] Subtotals may not add due to rounding.

Licensees	Total Payments FY 1994-FY 2002	Approved but Unpaid Claim Balances After FY 2002 Payment	Estimated Payments: FY 2003 through End of Program	Estimated Unpaid Uranium Claim Balances in Excess of Dry Short Ton Ceilings at End of Program
Thorium				
Kerr-McGee Chemical Corp	155,706	17,794	216,167	0
Subtotal, Thorium	155,706	17,794	216,167	0
Total, Uranium and Thorium	369,198	38,685 [a]	270,885 [b]	20,093 [c]

[a] All outstanding approved uranium claims have been paid through FY 2002. For uranium licensees, these amounts are prior year approved claims for uranium licensees that exceed that mandated ceiling for reimbursable costs per dry short ton. For the thorium licensee, the unpaid claim amount is from an approved claim that exceeded the previous thorium reimbursement authority.

[b] These amounts are estimates of future claims provided by the licensees in early 2001 and 2002.

[c] These amounts are estimates of approved claims that would be in excess of the uranium dry short ton ceiling at the end of the program. Under Sec. 1001.(b)(2)(E) of the Energy Policy Act of 1992, the Secretary may allow reimbursement of these claims if there is an excess of uranium reimbursement authority.