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United States Government

Department of Energy
Oak Ridge Operations Office

memorandum

DATE: March 8, 2004

REPLY TO
ATTN OF: SE-30-1:Elmore

SUBJECT: **ANNUAL NATIONAL ENVIRONMENTAL POLICY ACT PLANNING SUMMARY FOR 2004 - OAK RIDGE OPERATIONS OFFICE**

TO: Beverly A. Cook, Assistant Secretary for Environment, Safety and Health, EH-1, FORS

This correspondence transmits the Annual National Environmental Policy Act (NEPA) Planning Summary for 2004 for the Oak Ridge Operations Office (ORO). This is in accordance with the June 1994 Secretarial Policy Statement on NEPA and Department of Energy Order 451.1B. The attached summary provides a brief description of the status of ongoing NEPA compliance activities and planned Environmental Assessments (EA) expected to be required in the next 12 months and Environmental Impact Statements expected to be required in the next 24 months. The summary will be made available for public review at public reading rooms in Oak Ridge, Tennessee, and Newport News, Virginia.

Currently there are no plans for a site wide document for the Oak Ridge Reservation; however, an EA was completed at ORNL in 2001 for the ORNL Facilities Revitalization Project which covered many of the activities at the site. The East Tennessee Technology Park activities include mainly Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) actions relating to site closure and reindustrialization efforts that are covered by existing EAs.

This summary covers all of the ORO sites. NEPA responsibilities for Paducah, Kentucky, and Portsmouth, Ohio, have been recently transferred to the new Portsmouth/Paducah Project Office and only those NEPA actions that were reported in the ORO NEPA Planning Summary for 2003 have been included in the ORO summary. Proposed actions for 2004 should be reported by the new Portsmouth/Paducah Project Office. Should you have any questions, please contact me at (865) 576-4444 or have your staff contact Gary Hartman, Acting ORO NEPA Compliance Officer, at (865) 576-0273.

Gerald G. Boyd
Manager

Attachment

See Page 2 for cc's.

Rec'd 3/12/04

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Annual NEPA Planning Summary
Status of Ongoing NEPA Compliance Activities: Environmental Assessments
Oak Ridge Operations, Oak Ridge, Tennessee
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Lease of Parcel ED-3 of the Oak Ridge Reservation to the Community Reuse Organization of East Tennessee (DOE/EA-1316); Oak Ridge, TN	**$90K**	**Determination Date:** May 1999 **Draft EA:** July 2000 **Second Draft of EA:** October 2000 **Transmittal to State:** February 1, 2000 **EA Approval:** TBD **FONSI:** TBD	**Description:** Lease or transfer of approximately 450 acres of land for mixed commercial and industrial purposes. **Status:** EA is currently on hold.
Implementation of a Comprehensive Management Program for the Storage, Transportation, and Disposition of Potentially Reusable Uranium Materials (DOE/EA-1393); Oak Ridge, TN	**$180K**	**Determination Date:** April 2001 **Draft EA:** May 2002 **Transmittal to State:** **EA Approval:** October 2002 **FONSI:** October 2002	**Description:** To manage DOE's inventory of potentially reusable low enriched uranium (LEU), normal uranium (NU), and depleted uranium (DU) that is excess to national security needs. **Status:** Complete
^{233}U Disposition, Medical Isotope Production, and Building 3019 Complex Shutdown at the Oak Ridge National Laboratory; Oak Ridge, TN	**$110K**	**Determination Date:** January 2004 **Transmittal to State:** TBD **EA Approval:** August 2004 **FONSI:** August 2004	**Description:** The main objectives of this effort are: 1) to process and repackage the DOE inventory of ^{233}U stored in the Radiochemical Development Facility (Building 3019A) at the Oak Ridge National Laboratory (ORNL) to render it suitable for safe, long-term, economical storage,

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
			including elimination of the need for criticality and safeguards and security controls, and, in the process, 2) to extract Thorium-229 (^{229}Th) for beneficial use in medical research and potential treatment from as much of the ^{233}U inventory as is practicable. These activities are to be performed with an emphasis on ensuring safe interim storage and operations in Building 3019A and achieving closure of DNFSB Recommendation 97-1 at ORNL. Other objectives include removal of material from Building 3019A for long-term storage and placing Building 3019A in safe and stable shutdown for transfer to the DOE program for decommissioning. **Status:** The 10 CFR 1021.216 process has just been completed, and the initial EA process is in the early stages of development.
Proposed Changes to the Sanitary Sludge Land Application Program on the Oak Ridge Reservation (DOE/EA-1356); Oak Ridge, TN	**$100K**	**Determination Date:** August 2000 **Transmittal to State:** **EA Approval:** February 2003 **FONSI:** February 2003	**Description:** Proposed changes to the City of Oak Ridge Biosolids Land Application Program including discharge of treated effluent from the Y-12 West End Treatment Facility to the sanitary sewer and changing from a risk-based dose limit of 4 mrem/yr to 10 mrem/yr. **Status:** Complete

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Authorizing the Puerto Rico Electric Power Authority (PREPA) to Allow Public Access to the Boiling Nuclear Superheat (BONUS) Entombed Reactor Building, Rincon, Puerto Rico (DOE/EA-1394)	**$39K**	**Determination Date: March 2001** **Transmittal to State:** **EA Approval: February 2003** **FONSI: February 2003**	**Description:** Assess the impacts of allowing public access to the BONUS facility, which PREPA has proposed as opening as a museum. Some radiological contamination remains in the BONUS facility. **Status:** Complete
Environmental Assessment Addendum for the Proposed Title Transfer of ETTP Land and Facilities (DOE/EA-1175-A); Oak Ridge, TN	**$60K**	**Determination Date:** **Transmittal to State:** **Draft EA Addendum:** January 2003 **EA Approval:** June 2003 **FONSI:** June 2003	**Description:** This document evaluated the previously dismissed title transfer option. **Status:** Complete
Proposed Conveyance of the American Museum of Science and Energy, Parcel G, and Parcel 279.01 to the City of Oak Ridge, Tennessee (DOE/EA-1415); Oak Ridge, TN	**$62K**	**Determination Date:** October 2001 **Transmittal to State:** February 12, 2002 **Draft EA:** January 2002 **EA Approval:** TBD **FONSI:** TBD	**Description:** Assesses the proposed title transfer of three properties. **Status:** The EA is on hold pending a decision to move forward with the decision-making process.
Environmental Assessment Addendum for the Proposed Title Transfer of Parcel ED-1 to the Community Reuse Organization of East Tennessee (DOE/EA-1113-A); Oak Ridge, TN	**$120K**	**Determination Date:** **Transmittal to State:** **Draft EA:** May 2002 **EA Approval:** April 2003 **FONSI:** April 2003	**Description:** Document was prepared to address the title transfer of parcel ED-1. Original EA addressed title transfer of properties but this alternative was dismissed. Addendum enables DOE to further evaluate this alternative and make necessary modifications to the mitigation action plan. **Status:** Complete

Total Number of Ongoing EAs: **8** **Total Estimated Cost: $ 761K**

Annual NEPA Planning Summary
Status of Ongoing NEPA Compliance Activities: Environmental Assessments
Oak Ridge Operations, Thomas Jefferson National Accelerator Facility, Newport News, Virginia
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Proposed Upgrade and Operation of the CEBAF and FEL Accelerators and Construction and Use of Associated Buildings at the Thomas Jefferson National Accelerator Facility; Newport News, VA	**$85K**	**Determination Date:** February 2004 **Transmittal to State:** TBD **EA Approval:** TBD **FONSI:** TBD	**Description:** The Environmental Assessment will cover proposed increase in the operating limits of the Continuous Electron Beam Accelerator up to 12-16 GeV and increase in operating limits of the FEL up to 100 - 300 kW. **Status:** Still in the planning stages.

Total Number of Ongoing EAs: 1 **Total Estimated Cost: $85K**

Annual NEPA Planning Summary
Status of Ongoing NEPA Compliance Activities: Environmental Assessments
Oak Ridge Operations, Paducah Gaseous Diffusion Plant, Paducah, Kentucky[1]
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Environmental Assessment Addendum for the Disposition of Additional Wastes at the Paducah Site, Paducah, KY (DOE/EA-1339-A)	**Final Costs are being collected and will be reported at a later date**	**Determination Date:** **Transmittal to State:** **Draft EA:** May 2003 **EA Approval:** December 2003 **FONSI:** December 2003	**Description:** This EA Addendum analyzes management and disposition of additional waste at the Paducah Site. Disposition of the waste primarily consists of shipment to offsite disposal facilities. **Status:** Complete

Total Number of Ongoing EAs: 1 **Total Estimated Cost: Unknown at this time (final costs are being collected)**

[1] NEPA responsibilities for Paducah, Kentucky, have been transferred to the new Portsmouth/Paducah Project Office. An update is provided in this report of NEPA actions reported in the 2003 NEPA Planning Summary by the Oak Ridge Operations Office that were completed in 2003; however, proposed actions for 2004 will be reported by the new Portsmouth/Paducah Project Office.

Annual NEPA Planning Summary
Status of Ongoing NEPA Compliance Activities: Environmental Assessments
Oak Ridge Operations, Portsmouth Gaseous Diffusion Plant, Portsmouth, Ohio[2]
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Quadrant II Corrective Measures Implementation at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio (DOE/EA-1459)	**$286K**	**Determination Date:** November 2002 **Transmittal to State:** **Draft EA:** October 2002 **EA Approval:** February 2003 **FONSI:** February 2003	**Description:** Proposed implementation of environmental corrective measures and to replace two existing groundwater treatment facilities in Quadrant II of the U.S. Department of Energy's Portsmouth Gaseous Diffusion Plant. **Status:** Complete

Total Number of Ongoing EAs: 1 **Total Estimated Cost: $286K**

[2] NEPA responsibilities for Portsmouth, Ohio, have been transferred to the new Portsmouth/Paducah Project Office. An update is provided in this report of NEPA actions reported in the 2003 NEPA Planning Summary by the Oak Ridge Operations Office that were completed in 2003; however, proposed actions for 2004 will be reported by the new Portsmouth/Paducah Project Office.

Annual NEPA Planning Summary
Status of Ongoing NEPA Compliance Activities: Environmental Impact Statements
Oak Ridge Operations, Paducah, KY, and Portsmouth, OH
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Depleted Uranium Hexafluoride (DUF_6) Conversion Project Environmental Impact Statements (DOE/EIS-0359 and DOE/EIS-0360); Paducah, KY, and Portsmouth, OH	**$3.6M**	**Determination Date: NA** **NOI:** September 10, 2001 **Scoping:** November 28, December 4 and 6, 2001 **Scoping Period:** September 10, 2001, through January 11, 2002 **Draft:** November 28, 2003 **Hearings:** January 2004 **Final:** June 23, 2004 **ROD:** July 23, 2004	**Description:** Assess the impacts of construction, operation, and decommissioning of DUF_6 Conversion Facilities at Paducah, Kentucky, and Portsmouth, Ohio. Public Law 105-204 (July 1998) required the Department of Energy (DOE) to plan for the conversion of DUF_6. Two site-specific Environmental Impact Statements (EISs) are planned to run parallel schedules. **Status:** Public hearings in Paducah, KY; Portsmouth, OH; and Oak Ridge, TN, were held during January 2004. Comments on the Draft EISs will be accepted until February 2, 2004. The Final EISs are expected to be issued by June 23, 2004.

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
Supplement Analysis (SA) for Transportation of DOT Compliant Depleted Uranium Hexafluoride Cylinders From the East Tennessee Technology Park to the Portsmouth Gaseous Diffusion Plant in Fiscal Years 2003 through 2005 (DOE/EIS-0269/SA-1); Oak Ridge, TN, and Portsmouth, OH	**$25K**	**Supplement Analysis Determination Date:** July 2003 **Approval:** July 2003 **Amended ROD:** August 2003	**Description:** Determine whether the DUF_6 PEIS sufficiently analyzed the transportation of up to 1,700 full DUF_6 cylinders. **Status:** Complete. ROD was amended on August 28, 2003. Supplemental EIS was not required.

Total Number of Ongoing EISs: 1 **Total Number of Ongoing SAs:** 1 **Total Estimated Cost:** **$3.625M**

Annual NEPA Planning Summary
Environmental Assessments
Expected to be Prepared in the Next 12 Months
Oak Ridge Operations
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
NONE		Determination Date: Transmittal to State: EA Approval: FONSI:	

Total Number of Ongoing EAs: **Total Estimated Cost:**

Annual NEPA Planning Summary
Environmental Impact Statements
Expected to be Prepared in the Next 24 Months
Oak Ridge Operations
2004

Title, Location	Total Estimated Cost	Estimated NEPA Milestones	Description
NONE		**Determination Date:** **NOI:** **Scoping:** **Draft:** **Hearings:** **Final:** **ROD:**	

Total Number of EISs to be Prepared: **Total Estimated Cost:**