**Department of Energy**
Office of Science
Washington, DC 20585

January 27, 2006

**Office of the Director**

MEMORANDUM TO: JOHN S. SHAW
ASSISTANT SECRETARY
FOR ENVIRONMENT, SAFETY AND HEALTH

FROM: DONALD R. ERBSCHLOE
ACTING CHIEF OPERATING OFFICER

SUBJECT: Office of Science Annual NEPA Planning Summary for 2006

This is in response to your memorandum of December 6, 2005 to Secretarial Officers and Heads of Field Organizations (HFO) regarding Annual National Environmental Policy Act (NEPA) planning summaries.

The Department of Energy (DOE) Order 451.1B requires each Secretarial Officer and HFO to submit to your office by January 31, 2006 a NEPA Planning Summary. The Office of Science (SC) has coordinated the contents of this submittal with the SC Program Offices, the SC Site Offices and the SC Integrated Service Center (ISC) at Chicago and Oak Ridge. Within the SC organization, the SC Site Offices are HFO, and have line management responsibility for the purposes of implementing the procedural provisions of NEPA for SC's Federal actions under their purview. Similarly, the SC ISC at Chicago and Oak Ridge are the HFOs for SC's Federal actions under their purview, which includes the administration of SC grants and contracts for research activities. The Office of Science has the responsibility to implement NEPA's procedural provisions for matters under SC HQ purview and for policy and directions to the SC complex.

As requested, I have attached the SC annual NEPA planning summary. The two attachments provide: (1) the status of ongoing NEPA compliance activities for Environmental Assessments (EAs), and (2) EAs to be prepared in the next 12 months. The summary also includes the planned cost and schedule for completion of each NEPA review identified. The Office of Science does not expect any Environmental Impact Statement to be prepared in the next 24 months.

If you have any questions on this NEPA planning summary, please direct them to Sat Goel of my staff at (301) 903-3057 or Sat.Goel@science.doe.gov.

Attachments

Printed with soy ink on recycled paper

cc w/attachments:
R. Purucker, Manager, Ames Site Office
R. Wunderlich, Manager, Argonne Site Office
A. Richards, Manager, Berkeley Site Office
M. Holland, Manager, Brookhaven Site Office
J. Livengood, Manager, Fermi Site Office
G. Malosh, Deputy Manager for Laboratory Operations, Oak Ridge Office
J. Faul, Manager, Princeton Site Office
P. Kruger, Manager, Pacific Northwest Site Office
N. Sanchez, Manager, Stanford Site Office
J. Turi, Manager, TJNAF Site Office
M. Gunn, Manager, ISC at Chicago
G. Boyd, Manager, ISC at Oak Ridge

## Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Assessments

*Office of Science*
*1/23/2006*

| Title, Location | Estimated Cost | Estimated Schedule (NEPA Milestones*) | | Description |
|---|---|---|---|---|
| **Ames Site Office -- None** | | | | |
| **Argonne Site Office** | | | | |
| Argonne Site Office - Construction and Operation of a Regional Biocontainment Laboratory, IL (DOE/EA-1489) | | Determination Date: | 1/6/2004 | Cooperating with the National Institutes of Health. Completion of EA and issuance of FONSI are expected shortly. |
| | | Transmittal to State: | 10/6/2005 | |
| | | EA Approval: | *2/6/2006* | |
| | $100,000 | FONSI: | *2/6/2006* | |
| **Berkeley Site Office** | | | | |
| Bevetron (Building 57) Deconstruction | | Determination Date: | Feb-05 | Compliance with a parallel State NEPA like requirement is ongoing. Completion of the first internal draft of the EA is expected in February 2006. EA # not yet requested from EH |
| | | Transmittal to State: | *6/30/2006* | |
| | | EA Approval: | *9/30/2006* | |
| | $50,000 | FONSI: | *9/30/2006* | |
| **Brookhaven Site Office -- None** | | | | |
| **Chicago Office - ISC** | | | | |
| Iowa Environmental/Education Project (IEEP) Rain Forest Living Laboratory, Old Industrial Park, Coralville, Iowa (DOE/EA-1504) | | Determination Date: | 7/13/2004 | Grantee is considering other sites in the State of IA. Congress has placed limitations on use of Government funding until the Federal grant is matched. EA is on hold pending siting re-evaluation and receipt of private funding. |
| | | Transmittal to State: | *TBD* | |
| | | EA Approval: | *TBD* | |
| | $100,000 | FONSI: | *TBD* | |
| Very Energetic Radiation Imaging Telescope Array System (VERITAS) Southern Arizona (DOE/EA 1543) | | Determination Date: | 5/31/2005 | Cooperating with the National Science Foundation and Bureau of Indian Affairs. Comments from IndianTO Nation and State have been received and the final EA is being prepared. Cost of preparing EA shared by NSF and DOE. |
| | | Transmittal to State: | 11/14/2005 | |
| | | EA Approval: | *3/31/2006* | |
| | $75,000 | FONSI: | *3/31/2006* | |
| **Fermi Site Office -- None** | | | | |

## Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Assessments

*Office of Science*
*1/23/2006*

| Title, Location | Estimated Cost | Estimated Schedule (NEPA Milestones*) | | Description |
|---|---|---|---|---|
| **Oak Ridge Office** | | | | |
| U.S. Department of Energy Conveyance of Parcel ED-6 to the City of Oak Ridge, TN (DOE/EA-1514) | | Determination Date: | 11/4/2004 | EA for the proposed conveyance of Parcel ED-6 to the City of Oak Ridge. Public Information Sessions - November 18, 2004, and August 23, 2005. Status: EA is expected to be completed in the Spring of 2006. |
| | | Transmittal to State: | 8/11/2005 | |
| | | EA Approval: | *6/30/2006* | |
| | $115,000 | FONSI: | *6/30/2006* | |
| Proposed Conveyance of the American Museum of Science & Energy, Parcel G & Parcel 279.01 to the City of Oak Ridge, TN (DOE/EA 1415) | | Determination Date: | 10/23/2001 | Assesses the proposed title transfer of three properties. Status: Negototiations with City currently on hold, hence, EA is on hold. |
| | | Transmittal to State: | 1/18/2002 | |
| | | EA Approval: | *TBD* | |
| | $62,000 | FONSI: | *TBD* | |
| Lease of Parcel ED-3 of the Oak Ridge Reservation to the Community Reuse Organization of East Tennessee (DOE/EA-1316); Oak Ridge, TN | | Determination Date: | 5/1/1999 | Lease or transfer of approximately 450 acres of land for mixed commercial and industrial purposes. Status: Negotiations with City currently on Hold, hence, EA is on hold. |
| | | Transmittal to State: | 2/1/2000 | |
| | | EA Approval: | *TBD* | |
| | $90,000 | FONSI: | *TBD* | |
| **Pacific Northwest Site Office -- None** | | | | |
| **Princeton -- None** | | | | |
| **Stanford Site Office -- None** | | | | |
| **Thomas Jefferson Site Office** | | | | |
| Proposed Upgrade and Operation of the CEBAF and FEL Accelerators and Construction and use of Buildings Associated with the 2004 Ten Year Site Plan (DOE/EA-1534) | | Determination Date: | 4/26/2005 | Analyzes proposed upgrade and operation of the Continuous Electron Beam Accelerator Facility (CEBAF) and Free Electron Laser (FEL) Accelerators and the construction and use of buildings associated with the 2004 Ten Year Site Plan. The first draft of the EA for internal review is scheduled to be completed in February 2006. |
| | | Transmittal to State: | *4/4/2006* | |
| | | EA Approval: | *5/29/2006* | |
| | $100,000 | FONSI: | *5/29/2006* | |
| **Total** | $692,000 | | | |

*** Projected Milestones Italiciced**

# Annual NEPA Planning Summary Environmental Assessments Expected to be Prepared in the Next 12 Months

*Office of Science*

*1/23/2006*

| Title, Location | Estimated Cost | Estimated Schedule (NEPA Milestones*) | | Description |
|---|---|---|---|---|
| **Ames Site Office -- None** | | | | |
| **Argonne Site Office -- None** | | | | |
| **Berkeley Site Office** | | | | |
| LBNL User Support Building (USB) | | Determination Date: | *3Q06* | The USB will support the major Basic Energy Sciences user facilities at Lawrence Berkeley National Laboratory, primarily the Advanced Light Source, third generation UV and soft x-ray synchrotron radiation source. |
| | | Transmittal to State: | *1Q07* | |
| | | EA Approval: | *1Q07* | |
| | $50,000 | FONSI: | *1Q07* | |
| **Brookhaven Site Office** | | | | |
| National Synchrotron Light Source (NSLS) II | | Determination Date: | *2Q06* | Construction and Operation of NSLS II -- a new state-of-the-art medium energy (3 GeV) storage ring designed to deliver world leading brightness and flux. The facility will be able to produce x-rays up to 10,000 times brighter than those produced at NSLS today. |
| | | Transmittal to State: | *4Q06* | |
| | | EA Approval: | *1Q07* | |
| | $80,000 | FONSI: | *1Q07* | |
| **Chicago Office -- ISC** | | | | |
| Genomes to Life Facility; Location: TBD | | Determination Date: | *4Q06* | Facility for genomic research. A solicitation for proposals for construction and operation of this facility was completed in January 2006. Once a proposal is selected the NEPA process will commence. |
| | | Transmittal to State: | *2Q07* | |
| | | EA Approval: | *3Q07* | |
| | $100,000 | FONSI: | *3Q07* | |
| **Fermi Site Office** | | | | |
| NuMi Off-axis v Appearance Experiment (NovA) | | Determination Date: | *3Q06* | NovA is intended to measure electron neutrino appearance in a 30,000 metric ton Far Detector that will be located about 810 km from Fermilab and 12 km off the central axis of the NuMI beam. Cost includes both Federal NEPA and State NEPA-like requirements. |
| | | Transmittal to State: | *2Q07* | |
| | | EA Approval: | *3Q07* | |
| | $170,000 | FONSI: | *3Q07* | |
| **Oak Ridge Office -- None** | | | | |

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*Office of Science*

*1/23/2006*

| Title, Location | Estimated Cost | Estimated Schedule (NEPA Milestones*) | | Description |
|---|---|---|---|---|
| **Pacific Northwest Site Office** | | | | |
| Capabilities Replacement Laboratory | | Determination Date: | *2Q06* | The acquisition strategy (CD-1) for PNNL's Capability Replacement Laboratory Project for replacing 300 Area facilities has been approved. |
| | | Transmittal to State: | *1Q07* | |
| | | EA Approval: | *2Q07* | |
| | $150,000 | FONSI: | *2Q07* | |
| **Princeton Site Office -- None** | | | | |
| **Stanford Site Office -- None** | | | | |
| **Thomas Jefferson Site Office -- None** | | | | |
| **Total** | $550,000 | | | |

*** Based on Federal Fiscal Year**