

United States Government

**Department of Energy (DOE)
Savannah River Operations Office (SR)**

memorandum

DATE: **MAN 23 2013**

REPLY TO
ATTN OF: EQMD (S. A. Danker, [803] 952-8603)

SUBJECT: National Environmental Policy Act (NEPA) 2013 Annual Planning Summary (APS) for DOE Savannah River Site [SRS] (Memo, Woods to Distribution, 12/7/12)

to: Gregory H. Woods, General Counsel (GC-1), HQ

Attached is the NEPA 2013 APS for the DOE-SRS, as required by DOE Order 451.1B, *NEPA Compliance Program*. The planning summary has been coordinated with the National Nuclear Security Administration (NNSA) at SRS that includes the Site Engineering and Project Integration Division (NA-262) and the NNSA Savannah River Site Office (NA-10). The availability of this planning summary will be announced to the public through the *SRS Environmental Bulletin*.

If you have any questions, please contact me or have your staff contact Andrew R. Grainger, DOE-SRS NEPA Compliance Officer, at (803) 952-8001 or Stephen A. Danker at (803) 952-8603.



David C. Moody
Manager

EQMD:SAD:ls

EQMD-13-014

Attachment:
NEPA 2013 APS
for DOE-SRS

cc w/attach:
Jeanie Loving (EM-41), HQ
Mary E. Martin (NA-56), HQ
Frank Marcinowski (EM-40), HQ

JAN 23 2013

Annual NEPA Planning Summary

Environmental Assessments Ongoing or Expected to be Prepared in the Next 12 Months

DOE SRS

Jan-13

| Title, Location, Document Number | Estimated Cost | Estimated Schedule (NEPA Milestones) | | Description |
|---|-----------------------------|---|-----------|---|
| NEPA Reviews of Proposals to Implement SRS Strategic Initiatives | unknown | EA Determination Date: | uncertain | The Savannah River Site Strategic Plan for 2011 - 2015 describes strategic initiatives that SRS will pursue. Implementation of new missions resulting from this effort will likely require NEPA review. However, until firm proposals are developed the appropriate NEPA review is unknown. This item is included in the SRS Annual NEPA Planning Summary to alert decision makers and the public to the possibility that SRS may initiate NEPA reviews of potential new Enterprise SRS activities during 2013. |
| | | Transmittal to State: | uncertain | |
| | | EA Approval: | uncertain | |
| | | FONSI: | uncertain | |
| | Total Estimated Cost | | | |
| | \$0 | | | |
| | | | | DOE-SRS Site-wide EIS |
| | | | | DOE-SRS has recently reviewed the desirability of preparing a site-wide EIS. Currently, DOE-SRS has the following broad-based EISs: Savannah River Waste Management, October 1995, (DOE/EIS-0217); Interim Management of Nuclear Materials, December 1995, (DOE/EIS-0220); and Waste Management Activities for Groundwater Protection, March 1988, (DOE/EIS-0120). Given these NEPA reviews, and the annual environmental reports prepared in accordance with DOE Order 231.1A, DOE-SRS has concluded a site-wide EIS would not facilitate future NEPA compliance efforts at SRS. |

Annual NEPA Planning Summary

Environmental Impact Statements Ongoing or Expected to be Prepared in the Next 24 Months

DOE SRS

Jan-13

| Title, Location, Document Number | Estimated Cost | Estimated Schedule (NEPA Milestones) | Description | |
|---|----------------|---|--|--------|
| Environmental Impact Statement for the Storage and Management of Elemental Mercury (DOE/EIS-0423) EM PROGRAM | \$10,000 | EIS Determination Date: | As directed by the Mercury Export Ban Act of 2008, DOE prepared an EIS and evaluated seven sites, including SRS, for long-term storage of elemental mercury. The final EIS was issued in January 2011. Since publication of the Final Mercury Storage EIS, DOE has reconsidered the range of reasonable alternatives evaluated in the EIS. Accordingly, DOE now proposes to evaluate additional locations and has issued a Notice of Intent to prepare a Supplemental EIS for the Long-Term Management and Storage of Elemental Mercury (http://mercurystorageeis.com). The draft Supplemental EIS is scheduled for release in September 2013. | |
| | | NOI: | | Jul-09 |
| | | Scoping: | | Aug-09 |
| | | Draft | | Jan-10 |
| | | Hearings | | Mar-11 |
| | | Final | | Jan-11 |
| | | NOI: | | Jun-12 |
| | | Scoping: | | Jun-12 |
| Surplus Plutonium Disposition Supplemental Environmental Impact Statement (DOE/EIS-0283-S2) EM and NNSA PROGRAM | \$3,500,000 | EIS Determination Date: | DOE and NNSA are evaluating alternatives for disposition of surplus non-pit plutonium and surplus clean metal and oxide plutonium materials. NNSA is also evaluating options for the pit disassembly and conversion capability. The Tennessee Valley Authority (TVA) is a cooperating agency, and the SEIS evaluates the impacts of using mixed oxide fuel in TVA reactors. The draft SEIS was made available for public comment from July 27, 2012, through October 10, 2012, with seven public hearings. The final SEIS is scheduled to be available in May 2013, which will be followed by a Record of Decision. | |
| | | NOI: | | Aug-06 |
| | | Scoping: | | Mar-07 |
| | | Revised NOI | | Aug-10 |
| | | Scoping: | | Jan-12 |
| | | Draft SEIS | | Jan-12 |
| | | Hearings | | Jul-12 |
| | | Final | | Aug-12 |
| Environmental Impact Statement for the Disposal of Greater-Than-Class-C Low-Level Radioactive Waste (GTCC LLW) (DOE/EIS-0375) EM PROGRAM | tbd | EIS Determination Date: | DOE is evaluating disposal of GTCC LLW in a geologic repository, in intermediate depth boreholes, and in enhanced near surface disposal facilities. Alternative locations for these disposal facilities are: the Idaho National Laboratory in Idaho; the Los Alamos National Laboratory, the Waste Isolation Pilot Plant (WIPP), and some area within and around WIPP referred to as WIPP Vicinity in New Mexico; the Nevada National Security Site in Nevada; the Savannah River Site in South Carolina; and the Hanford Site in Washington. DOE is also evaluating generic commercial disposal at arid and humid locations. DOE includes DOE LLW and transuranic waste having characteristics similar to GTCC LLW and which may not have an identified path to disposal (referred to as GTCC-like waste) in the scope of this EIS. The draft EIS was issued on February 25, 2011. The final EIS schedule is uncertain. | |
| | | NOI: | | May-05 |
| | | Scoping: | | Jul-07 |
| | | Draft | | Aug-07 |
| | | Hearings | | Feb-11 |
| | | Final | | |
| Supplement Analysis, Spent Nuclear Fuel Management (DOE/EIS-0279-SA-01) EM PROGRAM | \$40,000 | Supplement Analysis: | DOE has drafted a Supplement Analysis to summarize the environmental impacts of managing aluminum-clad spent nuclear fuel from foreign and domestic reactors by processing in H-Canyon rather than using the Melt-and-Dilute process. DOE would issue an amended ROD to document the decision. | |
| | | SA Determination Date: | | Oct-06 |
| | | Approval: | | Jan-13 |
| Supplement Analysis, High-Level Waste Tank Closure (DOE/EIS-0303-SA-02) EM PROGRAM | \$40,000 | Supplement Analysis: | DOE is reviewing the use of current technologies and the waste determination process legislated by Congress to implement DOE's decision to stabilize tanks by filling them with grout in the H-Tank Farm. Publication of this SA is expected in 2014. An amended ROD may be required and an environmental bulletin and a Federal Register notice will be published in 2014. | |
| | | SA Determination Date: | | |
| | | Approval: | | |
| Total Estimated Cost | | | | |
| \$3,590,000 | | | | |