

United States Government

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

memorandum

DATE: JAN 25 2012

REPLY TO

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

SUBJECT: National Environmental Policy Act (NEPA) 2012 Annual Planning Summary (APS) for DOE Savannah River Site [SRS] (Your memo, 12/5/11)

TO: Sean A. Lev, Acting General Counsel (GC-1), HQ

Attached is the NEPA 2012 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 Steve Danker at (803) 952-8603.



FOR David C. Moody
Manager

EQMD:SAD:ls

EQMD-12-019

Attachment:
NEPA 2012 APS
for DOE-SRS

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

Annual NEPA Planning Summary

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

DOE SRS

Jan-12

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. DOE designated the Waste Control Specialists facility near Andrews, Texas as the preferred site for storage of elemental mercury. DOE has not issued a ROD. SRS anticipates that EM will require little or no SRS support to complete this process.
		NOI:	Jul-09	
		Scoping:	Aug-09	
		Draft	Jan-10	
		Hearings	Mar-11	
		Final	Jan-11	
Surplus Plutonium Disposition Supplemental Environmental Impact Statement (DOE/EIS-0283-S2) EM and NNSA PROGRAM	\$3,500,000	EIS Determination Date:	Aug-06	DOE and NNSA will evaluate alternatives for disposition of surplus non-pit plutonium and surplus clean metal and oxide plutonium materials. The Tennessee Valley Authority (TVA) is a cooperating agency, and the SEIS will evaluate the impacts of using mixed oxide fuel in TVA reactors. Additional alternative studies for pit disassembly and conversion capabilities were begun in May 2011 and concluded in October 2011. These studies identified additional reasonable alternatives, and DOE issued an Amended Notice of Intent and will conduct additional public scoping. DOE anticipates that a ROD for the SPD SEIS would be approved in the first or second quarter of FY 2013.
		NOI:	Mar-07	
		Scoping:	Aug-10	
		Draft		
		Hearings		
		Final		
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:	May-05	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 is scheduled for December 2012. SRS anticipates that EM will require some support from SRS to prepare the Final EIS, but the level of support is unknown at this time.
		NOI:	Jul-07	
		Scoping:	Aug-07	
		Draft	Feb-11	
		Hearings		
		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:		
Supplement Analysis, Surplus Plutonium Disposition Environmental Impact Statement (DOE/EIS-0283-SA-02) EM and NNSA PROGRAM		Supplement Analysis:		DOE will prepare a Supplement Analysis to summarize the environmental impacts of using H-Canyon/HB-Line facilities rather than a Pit Disassembly and Conversion Facility to prepare approximately 2.4 metric tons of Alternative Fuel Supply-II plutonium material as feed for the Mixed Fuel Fabrication Facility. DOE does not anticipate that an amended ROD will be required.
		SA Determination Date:	Nov-11	
		Approval:		
	Total Estimated Cost			
	\$3,550,000			