

memorandum

Savannah River Operations Office (SR)

DATE: JAN 16 2004

REPLY TO:

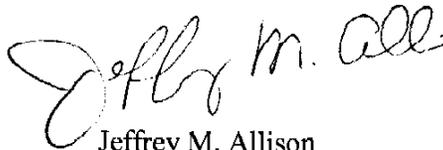
ATTN OF: EQMD (Danker, 803/952-8603)

SUBJECT: Annual National Environmental Policy Act (NEPA) Planning Summary for DOE Savannah River Site (SRS)

TO: Beverly Cook, Assistant Secretary for Environment, Safety and Health (EH-1), HQ

Attached is the 2004 DOE-SRS NEPA planning summary, as required by DOE Order 451.1B, NEPA Compliance Program. The planning summary has been coordinated with the National Nuclear Security Administration at SRS that includes the Savannah River Site Office and Fissile Materials Disposition Office. The availability of this planning summary will be announced to the public through the *SRS Environmental Bulletin*.

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



Jeffrey M. Allison
Manager

EQMD:SAD:orc

GC-04-08

Attachment:

DOE-SRS 2004 NEPA Planning Summary

cc w/attch:

J. H. Roberson (EM-1), HQ

I. R. Triay (EM-2), HQ

P. M. Golan (EM-3), HQ

S. A. Frank (EM-20), HQ

J. J. Rose (NA-53), HQ

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E. L. Wilmot, SV (concur)

S. M. Franks, NA-266 (concur)

**NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)
PLANNING SUMMARY**

Department of Energy (DOE)-Savannah River Site (SRS)
January 2004

Summary

DOE-SRS has prepared this NEPA Planning Summary in accordance with DOE Order 451.1B. DOE-SRS is currently preparing no environmental assessments (EAs) but anticipates preparation of one or more new EAs over the next 12 months. DOE-SRS is not currently supporting the preparation of any programmatic environmental assessments (PEAs) by other DOE offices and does not anticipate supporting the preparation of any PEAs over the next 12 months. DOE-SRS anticipates initiating 12 Engineering Evaluation/Cost Analyses in the next 12 months. DOE-SRS is currently preparing no EISs and does not anticipate initiating any new EISs over the next 24 months. DOE-SRS is currently preparing two Supplement Analyses (SAs) and does not anticipate any new SAs over the next 24 months. DOE-SRS is currently supporting the preparation of one DOE programmatic environmental impact statement (PEIS), one DOE supplemental PEIS, and one EIS by the Nuclear Regulatory Commission and does not anticipate supporting the preparation of any additional PEISs or EISs over the next 24 months. Cost information for existing DOE-SRS NEPA documents and supporting other NEPA actions is the most current available generally through December 2003 (projected costs are estimates). Dates indicated as projected are the scheduled dates for completion of the documents.

Environmental Assessments (EAs)

1. EAs in Preparation

None

2. EAs Expected to be Required in the Next 12 months

Based on previous experience and potential actions, DOE-SRS expects to initiate one or more EAs during the next 12 months. DOE-SRS expects a revised finding of no significant impact (FONSI) for the *Natural Resources Management Activities at SRS*, July 1993, (DOE/EA-0826). The DOE/EA-0826 NEPA review is on hold until the next version of the *SRS Natural Resources Management Plan* is finalized. DOE-SRS expects one or more new proposals that would require EAs to be initiated during the coming year, but no other specific projects are known at this time.

Schedule	proposed FONSI	06/04	projected DOE-SRS Cost	\$500
			projected WSRC Cost	\$6,000

3. Programmatic or Other EAs Supported by DOE-SRS

A. PEAs in Preparation

None

B. PEAs Expected to be initiated in the Next 12 Months

No PEAs are anticipated within the next 12 months.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/NEPA Integration Activities

Engineering Evaluation/Cost Analyses (EE/CAs)

1. EE/CAs in Preparation

None

2. EE/CAs Expected to be Required in the Next 12 months

Based on previous experience and potential actions, DOE-SRS expects to initiate 12 EE/CAs during the next 12 months involving the 105-P disassembly basin hazard mitigation, closure of sumps, tanks, and slabs associated with possible decommissioning of F-Canyon Outside Facilities and FA-Line, and decommissioning of Buildings 678-T, 183-1R, 183-2R, 186-R, 190-R, 186-P, 190-P, 186-C, 186-K, 190-K, and 321-M. When requested, the DOE-Savannah River Operations Office (SR) NEPA staff will assist the DOE-SR Closure Project staff in complying with DOE's CERCLA/NEPA policy.

Each proposed EE/CA	projected DOE-SRS Cost	\$6,000
	projected WSRC Cost	\$45,000

Environmental Impact Statements (EISs)

1. EISs in Preparation

None

2. EISs Expected to be Initiated in the Next 24 Months

None

Supplement Analyses (SAs)

A. SAs in Preparation

Consolidated Storage and Disposition of Surplus Plutonium Materials

This SA will address consolidation and alternatives for disposition of plutonium materials, originally intended for immobilization, that cannot be used for mixed oxide fuel.

Schedule	SA and Amended ROD 03/04 (projected)	Projected DOE-SRS Cost: \$20,000 Projected WSRC Cost: \$0
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Expedited High-Level Waste Processing

This SA will evaluate proposals to accelerate high-level waste processing to eliminate risk.

Schedule	SA and Amended ROD 01/04 (projected)	Projected DOE-SRS Cost: \$20,000 Projected WSRC Cost: \$0
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B. SAs Expected to be Initiated in the Next 24 Months

None

3. Programmatic or Other EISs Supported by DOE-SRS

A. In Preparation

PEIS for Disposition of Scrap Metals
(DOE/EIS-0327)

DOE will evaluate alternatives for disposition of scrap metals from DOE sites that may have been in radiological areas. The disposition options to be analyzed include continuation of the suspension on unrestricted release of metals for recycling, unrestricted release of scrap metals for recycling, and disposal. DOE-SRS will continue to support preparation of this PEIS, as requested.

Schedule	NOI	07/01	DOE-SRS Cost	\$0
	Draft PEIS	02/04 (projected)	WSRC Cost	\$0
	Final PEIS	04/04 (projected)		
	ROD	05/04 (projected)		

Supplemental Programmatic EIS on Stockpile Stewardship and Management for a Modern Pit Facility (DOE/EIS-0236-S2)

DOE-SRS will continue to support, as requested, preparation of a Supplemental Programmatic EIS on Stockpile Stewardship and Management for a Modern Pit Facility, addressing establishment of a large-scale plutonium pit manufacturing capacity at a selected site. This Supplemental Programmatic EIS will be followed by a tiered project-specific EIS to address the impacts of construction and operation of a Modern Pit Facility at the selected site. DOE-SRS will prepare the project-specific EIS or support its preparation by NNSA.

Schedule	NOI	09/02	DOE-SRS Cost	\$0
	Draft PEIS	06/03	WSRC Cost	\$400,000
	Final PEIS	03/04 (projected)		
	ROD	04/04 (projected)		

Construction and Operation of a Mixed Oxide (MOX) Fuel Fabrication Facility at SRS (NUREG-1767)

DOE has contracted with Duke Cogema Stone & Webster to design, construct, and operate a proposed MOX Fuel Fabrication Facility that would convert depleted uranium and weapons-grade plutonium into MOX fuel. The proposed MOX facility would be located on the DOE's Savannah River Site in South Carolina. Use of the proposed facility to produce MOX fuel would be part of the DOE's surplus plutonium disposition program. The purpose of the DOE program is to ensure the plutonium produced for nuclear weapons and declared excess to national security is converted to proliferation-resistant forms. DOE-SRS will continue to support input to the Nuclear Regulatory Commission's NEPA process.

Schedule	NOI	03/01	DOE-SRS Cost	\$0
	Draft EIS	02/03	WSRC Cost	\$75,000
	Final EIS	uncertain		
	ROD	uncertain		

B. PEISs Expected to be Initiated in the Next 24 Months

None

C. Other NEPA Reviews Expected to be Initiated in the Next 24 Months

DOE-SRS would support preparation of NEPA reviews that may be required by proposed changes in the plutonium disposition program and the high-level waste processing program.

DOE-SRS Site-wide EIS

DOE-SRS has recently reviewed the possibility 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.