

## Chapter 2

# Environmental Management System

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The Savannah River Site (SRS) conforms with DOE Headquarters (DOE-HQ)-directed performance metrics that demonstrate the successful implementation of an Environmental Management System (EMS) at SRS. The key performance metrics used in this determination include

- an issued EMS Policy Statement
- provision of EMS implementation training to the personnel establishing the EMS
- identification of significant environmental aspects for SRS operations
- identification of measurable environmental objectives and targets, including the establishment of environmental management programs/actions specifically to achieve each environmental objective and target
- implementation of a program for EMS awareness training for all site personnel

- establishment of EMS procedures
- full integration of EMS into the Integrated Safety Management System

Additionally, SRS conforms with the applicable requirements of International Standard, ISO 14001, “Environmental Management System”; Executive Order 13148, “Greening of Government Through Leadership in Environmental Management”; and DOE Order 450.1, “Environmental Protection Program.”

The site successfully sought and received third-party certification of its EMS to the requirements of International Standard ISO 14001 in 1997 and again in 2000. This independent certification of conformance documented that SRS had attained all the key performance indicators listed above. The site’s attainment of these key metrics is documented in DOE-HQ’s “Environmental Management System Implementation Status Quarterly Report: June 2005.”

The following is a copy of the current EMS Policy for the site:

### Savannah River Site Environmental Management System Policy June 30, 2005

#### OBJECTIVE

To implement sound stewardship practices that are protective of the air, water, land, and other natural and cultural resources impacted by Savannah River Site (SRS) operations. All activities on SRS shall be conducted in compliance with applicable laws and regulations providing for the protection of public health and the environment, to reduce the use of procedures and processes that produce hazardous wastes, and to seek ways to continually improve the performance of activities protective of the environment. The objective of this policy is to establish a consistent sitewide approach to environmental protection through the implementation of an Environmental Management System (EMS) as part of the overall Integrated Safety Management System (ISMS). The EMS provides for the systematic planning, integrated execution, and evaluation of site activities for (1) public health and environmental protection, (2) pollution prevention (P2), (3) compliance with applicable environmental protection requirements, and (4) continuous improvement of the EMS.

#### DIRECTIVE

Recognizing that many aspects of operations carried out at SRS may impact the environment, the SRS policy is that all employees, contractors, subcontractors, and other entities performing work at SRS shall abide by the directives in this document. This document serves as the primary documentation for the environmental goals and objectives of SRS and shall be available to the public. It shall be centrally maintained and updated as necessary to reflect the changing needs, mission, vision, and goals of SRS. The Department of Energy–Savannah River Operations Office

(DOE–SR), Westinghouse Savannah River Company (WSRC), Wackenhut Services Incorporated–Savannah River Site (WSI–SRS), Savannah River Ecology Laboratory (SREL), National Nuclear Security Administration–Savannah River Site Office (NNSA–SRSO), National Nuclear Security Administration–Fissile Materials Disposition Office (NNSA–FMDO), and the United States Forest Service–Savannah River (USFS–SR) endorse the principles stated in this policy.

The Environmental Management System pursues and measures continual improvement in performance by establishing and maintaining documented environmental objectives and targets that correspond to SRS’s mission, vision, and core values. The environmental objectives and targets shall be established for each relevant function within DOE–SR, NNSA–SRSO, NNSA–FMDO, and all contractors, subcontractors, and other entities performing work at SRS for all activities having actual or potentially significant environmental impacts.

DOE–SR, NNSA–SRSO, and NNSA–FMDO, and all contractors, subcontractors, and other entities performing work at SRS shall:

1. Manage the SRS environment, natural resources, products, waste, and contaminated materials so as to eliminate or mitigate any threat to human health or the environment at the earliest opportunity and implement process improvements, as appropriate, to ensure continual improvement of performance in environmental management.
2. Develop policies, procedures, and training as needed to identify activities with significant environmental impacts; to manage, control, and mitigate the impacts of these activities; and to assess performance and implement corrective actions where needed.
3. Implement a pollution prevention program to reduce waste generation, releases of pollutants, future waste management and pollution control costs, and to promote energy efficiency.
4. Conduct operations in compliance with all applicable federal, state, and local laws, regulations, statutes, executive orders, directives, and standards.
5. Work cooperatively and openly with appropriate local, state, federal agencies, public stakeholders, and site employees to prevent pollution, achieve environmental compliance, conduct cleanup and restoration activities, enhance environmental quality, and ensure the protection of workers and the public.
6. Design, develop, operate, maintain, decommission, and deactivate facilities and perform operations in a manner that shall be resource efficient and will protect and improve the quality of the environment for future generations and continue to maintain SRS as a unique national environmental asset.
7. Recognize that the responsibility for quality communications rests with each individual employee and that it shall be the responsibility of all employees to identify and communicate ideas for improving environmental protection activities and programs at the site.
8. Ensure the early identification of, and appropriate response to, potential adverse environmental impacts associated with DOE operations, including, as appropriate, preoperational characterization and assessment and effluent and surveillance monitoring.
9. Promote the long-term stewardship of SRS’s natural and cultural resources throughout its operational, closure, and post-closure life cycle.

Adherence to, and programmatic implementation of, this policy shall be the responsibility of the DOE–SR, NNSA–SRSO, and NNSA–FMDO managers in coordination with the contractors, subcontractors, and other entities performing work at SRS.

*Original document signed by the following (prior to WSRC becoming Washington Savannah River Company):*

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