

# 4.0 Environmental Program Information

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This section provides information on the environmental and chemical management systems on the Hanford Site.

## 4.0.1 Environmental Management Systems

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Contractors at the Hanford Site have established integrated environment, safety, and health management systems as mandated by their contracts with the U.S. Department of Energy (DOE). These systems are intended to protect workers, the public, and the environment by integrating environment, safety, and health considerations into the way work is planned, performed, and improved. The international voluntary consensus standard ISO 14001, *Environmental Management Systems – Specifications with Guidance for Use*, and DOE Order 450.1, *Environmental Protection Program*, were considered during the development of these systems. Basic elements of these management systems include environmental policy, planning, implementation, checking and corrective action, and management review.

Prior to 2004, DOE verified the following Hanford contractors, and the Pacific Northwest National Laboratory, as having adequately implemented an integrated environmental, safety, and health system in accordance with DOE P 450.4, *Safety Management System Policy*: Bechtel Hanford, Inc. (May 2000), CH2M HILL Hanford Group,

Inc. (May 2000), Fluor Hanford, Inc. (August 2000), and the Pacific Northwest National Laboratory (1998). The Pacific Northwest National Laboratory obtained ISO 14001 third-party registration of its Environmental Management System in 2002. Bechtel Hanford, Inc. maintains an Environmental Management System that is integrated with the company's Integrated Environment, Safety, and Health Management System. Fluor Hanford, Inc. and CH2M HILL Hanford Group, Inc. are prepared to achieve the implementation date of December 31, 2005, as outlined in DOE Order 450.1. Efforts continued in 2004 to implement and improve these environmental, safety, and health programs.

## 4.0.2 Chemical Management Systems

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Hanford Site contractors developed and documented formal systems for the management of chemicals during 1997 that are still in use today. These management systems are applicable to the acquisition, use, storage, transportation, and final disposition of chemicals including hazardous chemicals as defined in the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910, Subpart Z, Appendices A and B). The chemical management systems have been reviewed periodically and improved as needed. Details on the chemical inventories stored at the Hanford Site may be found in Section 5.1.1.

