



3.0 Facility-Related Monitoring

The following sections include information about facility-related environmental monitoring programs at the Hanford Site, including effluent monitoring (Section 3.1) and environmental monitoring (Section 3.2).

The monitoring of effluents and contaminants at Hanford Site facilities is necessary to determine the effects these materials may have on the public, workers at the site, and the environment. Effluent monitoring is conducted by the various site contractors at their facilities pursuant to requirements in DOE Order 5400.1. At the Hanford Site, effluent monitoring includes 1) collection of samples for analyses, 2) measurements of liquid and airborne effluents for the purposes of characterizing and quantifying contaminants released to the environment, 3) providing source terms for assessing potential impacts to the public, 4) providing a means to

control effluents at or near the point of discharge, and 5) determining compliance with applicable standards and permit requirements.

Near-facility environmental monitoring consists of the routine monitoring of environmental media near facilities that have the potential to discharge or have discharged, stored, or disposed of radioactive or hazardous contaminants. Monitoring locations are generally associated with major, nuclear-related installations, waste storage and disposal units, and remediation efforts.

Additional program sampling and effluent information is contained in *Hanford Site Near-Facility Environmental Monitoring Data Report for Calendar Year 1998* (PNNL-12088, APP. 2) and in *Environmental Releases for Calendar Year 1998* (HNF-EP-0527-8).