

3.0 Facility-Related Monitoring

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The monitoring of effluent and contaminants at and near Hanford Site facilities is conducted to help determine the effects these materials may have on the public, workers at the site, and the environment. At the Hanford Site, facility effluent monitoring includes collecting and analyzing samples of liquid and airborne effluent to characterize and quantify contaminants released to the environment.

Near-facility environmental monitoring includes 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 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 2003* (PNNL-14687, APP. 2) and in *Environmental Releases for Calendar Year 2002* (HNF-EP-0527-13).

The following sections provide information about facility-related environmental monitoring programs at the Hanford Site, including facility effluent monitoring (Section 3.1) and near-facility environmental monitoring (Section 3.2). Hanford Site environmental surveillance activities are discussed in Chapter 4.