

APPENDIX H
QUALITY ASSURANCE/QUALITY CONTROL
REQUIREMENTS

This page intentionally left blank.

APPENDIX H QUALITY ASSURANCE QUALITY CONTROL REQUIREMENTS

Quality assurance and quality control requirements for conducting the *Resource Conservation and Recovery Act of 1976* field investigations are addressed in Appendix A of the *Phase 1 RCRA Facility Investigation/Corrective Measures Study Work Plan for Single-Shell Tank Waste Management Areas* (DOE-RL 2000), which is known as the master work plan. Because the *Preliminary Site-Specific SST Phase 1 RFI/CMS Work Plan Addendum for WMA S-SX* (Henderson 1999) was published before the master work plan, its quality assurance project plan predates that of the master work plan but is substantially similar. The major areas covered in the master work plan are as follows:

- Project management
- Measurement/data acquisition
- Assessment/oversight
- Data validation and usability
- Data quality assessment.

The project management described in the master work plan is still valid, although the company responsible for the effort has shifted (is now CH2M HILL Hanford Group, Inc.) because of contract changes. The Office of River Protection is now the U.S. Department of Energy office responsible for the tasks.

The general requirements established in the master work plan for sampling methods, sampling handling and custody, analytical methods, and field and laboratory quality control have been followed in the activities described in this document. As noted in the main text to this document, there were few deviations from the work plans on sampling and these were due to operational concerns. Other requirements had no deviations.

CH2M HILL Hanford Group, Inc. management and tank farm staffs have routinely conducted safety assessments of the waste management area S-SX *Resource Conservation and Recovery Act of 1976* field investigation. There is, at this time, no separate formal quality assurance assessment by the Tank Farm Vadose Zone Project.

Informal reviews of data validity and usability have been held, mainly as part of the determination of second- and third-tier analyses and in the preparation of this waste management area S-SX field investigation report. Similarly, only informal data quality assessments have been performed, primarily because a systematic sampling approach was used rather than a random sampling design.

REFERENCES

DOE-RL, 2000, *Phase 1 RCRA Facility Investigation/Corrective Measures Study Work Plan for Single-Shell Tank Waste Management Areas*, DOE/RL-99-36, Rev. 1, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Henderson, J. C., 1999, *Preliminary Site-Specific SST Phase 1 RFI/CMS Work Plan Addendum for WMA S-SX*, HNF-4380, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Resource Conservation and Recovery Act of 1976, Public Law 94-580, 90 Stat. 2795, 42 USC 901 et seq.