

## 4. REFERENCES

1. EG&G Idaho, Inc., *A History of the Radioactive Waste Management Complex at the Idaho National Engineering Laboratory*, WM-F1-81-003, Rev. 3, July 1985, p. 123.
2. Public Law 104-182, "Safe Drinking Water Act Amendments of 1996," U.S. Environmental Protection Agency, August 6, 1996.
3. 33 USC 1251, "Federal Clean Water Act."
4. Public Law 91-604, "Clean Air Act Amendments of 1990," U.S. Environmental Protection Agency.
5. IDAPA 58.01.17, "Wastewater Land Application Permit Rules," State of Idaho Department of Health and Welfare, November 1992.
6. Idaho State Department of Water Resources, *State of Idaho Injection Wells Permits*, 34-W-3-01 through 34-W-3-07, 1993.
7. City of Idaho Falls Waste Pretreatment Program, "City of Idaho Falls Industrial Wastewater Acceptance Forms," February 1, 1999.
8. 63 FR 189, "Final Modification of the National Pollutant Discharge Elimination System Storm Water Multi-Sector General Permit for Industrial Activities," *Federal Register*, U.S. Environmental Protection Agency, September 30, 1998, p. 52430.
9. DOE Order 5400.1, "General Environmental Protection Program," U.S. Department of Energy, June 1990.
10. DOE Order 5400.5, "Radiation Protection of the Public and the Environment," U.S. Department of Energy, January 1993.
11. DOE Order 435.1, "Radioactive Waste Management," U.S. Department of Energy, July 1999.
12. DOE/EH-0173T, *Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance*, U.S. Department of Energy, 1991.
13. Kirk L. Clawson, G. E. Start, and Norman R. Ricks, National Oceanic and Atmospheric Administration, *Climatology of the Idaho National Engineering Laboratory*, DOE/ID-12118, December 1989, p. 155, and personal communication with Neil Hukari, June 2001.
14. Raymond L. Nace, P. T. Voegeli, J. R. Jones, and Morris Deutsch, U.S. Geological Survey, Washington, D.C., *Generalized Geologic Framework of the National Reactor Testing Station, Idaho*, Professional Paper 725-B, 1975, p. 49.
15. S. R. Anderson, and B. D. Lewis, *Stratigraphy of the Unsaturated Zone at the Radioactive Waste Management Complex, Idaho National Engineering Laboratory, Idaho*, Water Resources Investigations Report 89-4065 (DOE/ID-22080), May 1989, p. 54.

16. S. R. Anderson, *Stratigraphy of the Unsaturated Zone and Uppermost Part of the Snake River Plain Aquifer at the Idaho Chemical Processing Plant and Test Reactor Area, Idaho National Engineering Laboratory, Idaho*, Water Resources Investigations Report 91-4010 (DOE/ID-22095), January 1991, p. 71.
17. Larry J. Mann, *Hydraulic Properties of Rock Units and Chemical Quality of Water for INEL-1; a 10,365-Foot Deep Test Hole Drilled at the Idaho National Engineering Laboratory, Idaho*, Water Resources Investigations Report 86-4020 (IDO-22070), February 1986, p. 23.
18. John R. Pittman, Rodger G. Jensen, and P. R. Fischer, *Hydrologic Conditions at the Idaho National Engineering Laboratory, 1982 to 1985*, Water Resources Investigations Report 89-4008 (DOE/ID-22078), December 1988, p. 73.
19. J. B. Robertson, R. Schoen, and J. T. Barraclough, *Influence of Liquid Waste Disposal on the Geochemistry of Water at the National Reactor Testing Station, Idaho, 1952–70*, Open-File Report IDO-1952-70, 1974.
20. IDAPA 58.01.08, “Idaho Regulations for Public Drinking Water Systems,” Section 1447, State of Idaho Department of Health and Welfare, December 5, 1992.
21. 40 CFR 141–143, “Protection of the Environment,” *Code of Federal Regulations*, Office of the Federal Register, February 1, 1994.
22. B. D. Lewis and R. G. Jensen, *Hydrologic Conditions at the Idaho National Engineering Laboratory, Idaho: 1979–1981 Update*, Open-File Report 84-230, 1984.
23. Bechtel BWXT Idaho, LLC, *Drinking Water Program Plan*, EM-DW-PP-2, June 1998.
24. City Order, Chapter 1, Section 8, “City of Idaho Falls Sewer Ordinance,” 1994.
25. 40 CFR 403, “General Pretreatment Regulations for Existing and New Sources of Pollution,” *Code of Federal Regulations*, Office of the Federal Register, July 17, 1997.
26. IDAPA 58.01.02.299.04 and .05, “Water Quality Standards and Wastewater Treatment Requirements,” State of Idaho Department of Health and Welfare, April 3, 1996.
27. IDAPA 58.01.11, “Ground Water Quality Rule,” State of Idaho Department of Health and Welfare, March 27, 1997.
28. Bechtel BWXT Idaho, LLC, *2000 Annual Wastewater Land Application Site Performance Reports for the Idaho National Engineering and Environmental Laboratory*, INEL/EXT-00-01681, February 2001.
29. L. C. Hull, IT Corporation, *A Risk-Based Approach to Liquid Effluent Monitoring*, INEL-95/0499, October 1995.
30. Shanon Ansley, Teresa Brock, Dennis Walker, Mike Abbott, Art Rood, *Idaho National Engineering and Environmental Laboratory Measurement Standard for Disposal of Wastewater*, INEL-96/0277, September 29, 1997.

31. 40 CFR 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants," *Code of Federal Regulations*, Office of the Federal Register, August 31, 1995.
32. M. L. Abbott, *INEL Aqueous Waste Discharge Limits for the Soil Ingestion, Inhalation, and External Exposure Pathways*, Rev. 4, May 21, 1996, and Revision to Surfaces Pathway Discharge Limits for RA-226, Letter report MLA-3-97.
33. A. S. Rood, *Liquid Effluent Release Limits for Radiological and Nonradiological Contaminants at the INEL for the Groundwater Pathway*, Revision 4, October 1994, and *Addendum 1: Revised Liquid Effluent Release Limits for the Groundwater Pathway*, Letter Report, ASR-09-95, October 12, 1995.
34. Letter to Gregory Eager, IDEQ, from James F. Graham, BBWI, "Routine Notification of Monthly Effluent Total Nitrogen and Total Suspended Solids Monitoring Results, Missed December 2000 Influent Compliance Sample, and Corrective Action Status Update for January 2001 at the Idaho Nuclear Technology and Engineering Center Sewage Treatment Plant," CCN 17868, February 1, 2001.
35. Cascade Earth Sciences, *Inventory of the Wastewater Collection System at the INTEC Facility, INEEL*, July 20, 2000.
36. Hinnich L. Bohn, Brian L. McNeal, George A. O'Connor, *Soil Chemistry*, 2<sup>nd</sup> edition, 1985.
37. Lockheed Martin Idaho Technologies Company, *Liquid Effluent Monitoring Program Plan*, EM-EF-PP-3, November 1994.
38. U.S. Department of Energy, *Idaho National Engineering and Environmental Laboratory Storm Water Pollution Prevention Plan for Industrial Activities*, DOE/ID-10431, Rev. 41, January 2001.
39. EPA Form 3320-1, *NPDES Discharge Monitoring Report*, Lockheed Martin Idaho Technologies Company.
40. CORRPRO Companies, *Observation Well Pipe Evaluation at Test Area North*, January 2000.
41. Environmental Science and Research Foundation, *Idaho National Engineering and Environmental Laboratory Site Environmental Report for 1999*, pending publication.
42. U.S. Department of Energy, *Ambient Nitrogen Dioxide Monitoring Plan for the INEL*, DOE/ID-12113, October 1988.
43. State of Idaho, "Permit to Construct, Idaho Chemical Processing Plant Nitrogen Oxide Sources," 023-00001, February 13, 1995.
44. W. J. Arthur, "Radionuclide Concentrations in Vegetation at a Solid Radioactive Disposal Area in Southeastern Idaho," *Journal of Environmental Quality*, Vol. II, 1982, pp. 394–398.