

APPENDIX B.

ENVIRONMENTAL DOE ORDERS IN WORK SMART STANDARDS

Topic	Order number and title	Relevant portion
Sanitary Sewer Discharges	DOE O 5400.5 Chg. 2, Radiation Protection of the Public and the Environment	Chapter I, Paragraph 5.b., Treatment of Liquid Radioactive Waste Streams (using BAT)
		Chapter I, Paragraph 7, Discharges to Sanitary Sewer
		Chapter II, Paragraph 3.d.2, Controlling Long-term Buildup of Radionuclides in Solids
CERCLA:Site Remediation	DOE O 414.1, Quality Assurance	Attachment 1, Contractor Requirements Document
Environmental Monitoring	DOE O 231.1, Environment, Safety, and Health Reporting	Paragraph 5.d.2, Annual Site Environmental Reports (requires report on annual basis)—included in DOE O 231.1 Chg. 2, ES&H Reporting, Paragraph 3. Applicability, and Attachment 1, Contractor Requirements Document
	DOE O 5400.1, General Environmental Protection Program	Chapter III, Paragraph 4.a., Groundwater Protection Management Program, and Chapter IV, paragraph 1.a. Requirement for Environmental Monitoring, 3. Preoperational Monitoring of Facilities, Sites, and Operations, 4. Environmental Monitoring Plan, 5. Environmental Monitoring General Requirements, 6. Meteorological Monitoring Requirements, and 10.c. Laboratory Quality Assessment—included in DOE O 5400.1 Chg. 1, Chapter III, Paragraph 4(a), 4(b), 4(c) and Chapter IV, Paragraph 1(a), 3, 4, 5, 6, and 10(c)
	DOE O 5400.5 Chg. 2, Radiation Protection of the Public and the Environment	Chapter II, Requirements for Radiation Protection of the Public and the Environment, Paragraph 1 (except 1.a.3.c. and 1.c), Public Dose Limits, 2. ALARA, 5. Release of Property Having Residual Radioactive Material, 6. Demonstration of Compliance with the Dose Limits, and 8.a. Record Content
		Chapter III, Derived Concentration Guides for Air and Water
		Chapter IV, Residual Radioactive Material
Water Discharges — Storage Tanks	DOE O 420.1 Chg 2, Facility Safety	§ 4.4 Natural Phenomena Hazards Mitigation for DOE facilities—included in DOE O 420.1 Chg. 2, Facility Safety, Attachment 2, Contractor Requirements Document, Paragraph 4 (except 4.1.2, 4.1.3, and excluding the invocation of ANS 8.9, ANS 8.10, and ANS 8.17)
Waste—Radioactive	DOE O 435.1, Radioactive Waste Management	Attachment 1, Contractor Requirements Document
Waste Minimization/ Pollution Prevention	DOE O 5400.1 Chg. 1, General Environmental Protection Program	Chapter III, Paragraph 4.a, 4.b, 4.c and Chapter IV, Paragraph 1.a, 3, 4, 5, 6, and 10.c