

Ames Laboratory Work Smart Standards Set Modification M334 – Appendix I

Legally Binding Requirements

Federal Regulations

10 CFR 830 Subpart A – Quality Assurance Requirements
10 CFR 835 Occupational Radiation Protection
10 CFR 860 Trespassing on Department of Energy Property
10 CFR 1021 National Environmental Policy Act Implementation Procedures.
28 CFR 36 Nondiscrimination on the Basis of Disability by Public Accommodations
40 CFR 61 Subpart H National Emission Standards of Radionuclides Other than Radon from DOE Facilities
40 CFR 63 National Emission Standards for Hazardous Air Pollutants for Source Categories
40 CFR 82 Protection of Stratospheric Ozone
40 CFR 112 Oil Pollution Prevention; Spill Prevention, Controls and Countermeasures
40 CFR 117 Determination of Reportable Quantities for Hazardous Substances
40 CFR 131 Water Quality Standards
40 CFR 141 National Primary Drinking Water Regulations
40 CFR 260, 261, 262, 263, 264 Subpart S, 265, 268 Hazardous Waste Implementing Rules
40 CFR 279 Standards for the Management of Used Oil
40 CFR 300 National Oil and Hazardous Substances Pollution Contingency Plan
40 CFR 302 Designation, Reportable Quantities and Notification
40 CFR 355 Emergency Planning and Notification
40 CFR 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions
49 CFR 171-180 DOT Hazardous Materials Regulations
49 CFR 383.23 Commercial Drivers' License
Consent Agreement and Consent Order, executed February 27th, 1996

State Regulations

347 IAC 110, 120, 130, 140 Right-To-Know
567 IAC 20, 21, 22.1-22.4, 22.7, 23.1(3) and (4), 23.2-23.4, 23.6, 24, 28 Air Quality
567 IAC 39 Requirements for Properly Plugging Abandoned Wells
567 IAC 60 Wastewater Treatment and Disposal: Definitions, Rules of Practice
567 IAC 61 Water Quality Standards
567 IAC 100, 101, 109, 110, 118, 119 Solid Waste Management and Disposal
567 IAC 131 Notification of Hazardous Conditions
567 IAC 132 Transportation of Radioactive Material in Iowa
567 IAC 133 Determining Cleanup Actions and Responsible Parties
567 IAC 140 and 141 Hazardous Waste
661 IAC Public Safety, Chapter 5.300-5.314 Flammable and Combustible Liquids Code
Code of Iowa, Chapter 321.174-321.235 and 321.252-321.562 Motor Vehicles and Law of the Road

Miscellaneous

IATA Dangerous Goods Regulations, 42nd Edition and Subsequent

External or Internal Standards

Federal Standards

29 CFR 1910 General Industry Standards, as applicable
29 CFR 1910 Subpart D Walking-Working Surfaces
29 CFR 1910 Subpart E Means of Egress
29 CFR 1910 Subpart F Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms
29 CFR 1910 Subpart G Occupational Health and Environmental Control
29 CFR 1910 Subpart H Hazardous Materials
29 CFR 1910 Subpart I Personal Protective Equipment
29 CFR 1910 Subpart J General Environmental Controls
29 CFR 1910 Subpart K Medical and First Aid - General
29 CFR 1910 Subpart L Fire Protection
29 CFR 1910 Subpart M Compressed Gas and Compressed Air Equipment
29 CFR 1910 Subpart N Materials Handling and Storage
29 CFR 1910 Subpart O Machinery and Machine Guarding

29 CFR 1910 Subpart P Hand and portable powered tools and equipment, general
29 CFR 1910 Subpart Q Welding, Cutting & Brazing
29 CFR 1910 Subpart S Electrical
29 CFR 1910 Subpart Z Toxic and Hazardous Substances
29 CFR 1926 Safety and Health Regulations for Construction, as relevant
29 CFR 1926 Subpart C General Safety and Health Provisions
29 CFR 1926 Subpart E Personal Protective & Life Saving Equipment
29 CFR 1926 Subpart H Materials Handling, Storage, Use and Disposal
29 CFR 1926 Subpart J Welding/Cutting
29 CFR 1926 Subpart L Scaffolds
29 CFR 1926 Subpart N Cranes, Derricks, Hoists, Elevators and Conveyors
29 CFR 1926 Subpart O Motor Vehicles, Mechanized Equipment and Marine Operations
29 CFR 1926 Subpart P Excavations
29 CFR 1926 Subpart Z Toxic and Hazardous Substances
29 CFR 1926.52 Occupational Noise Exposure (part of Subpart D, Occupational Health and Environmental Controls)
29 CFR 1926.62 Lead (part of Subpart D, Occupational Health and Environmental Controls)
Executive Order 12580 Sections 8 and 11 Superfund Implementation
Executive Order 13101 Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition
Executive Order 13148 Greening of the Government Through Leadership in Environmental Management

Ames Laboratory Documents

Ames Laboratory Environment, Safety, Health & Assurance Program Manual (#10200.002)
Ames Laboratory Readiness Review Procedure [# 10200.010]
Policies & Procedures For Handling Radioactive Waste

Miscellaneous

Iowa State University Cylinder Safety Guidelines
ISU - City Of Ames Pretreatment Agreements #3593-3 & #4093-3
State Of Iowa Plumbing Code
Waste Disposal Site Acceptance Criteria, as relevant to Work Processes #12, #14 and #18

Consensus Standards

ACGIH Industrial Ventilation Manual
ACGIH TLV Booklet, as relevant to Work Processes #32, #55 and #56
ANSI N323A-1997, American National Standard Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments
ANSI N43.2 Radiation Safety for X-ray Diffraction and Fluorescence Analysis Equipment
ANSI N43.3 Installations Using Non-Medical X-Ray and Sealed Gamma Ray Sources
ANSI Standards, as relevant
ANSI Z9.5 Lab Ventilation
ANSI/ASHRAE 62-1989 Ventilation for Acceptable Indoor Air Quality
ANSI/ASME B31.5 Refrigeration Piping
ANSI/ASME B31.8 Gas Transmission and Distribution Piping Systems
ANSI/ASME B31.9 Building Services Piping
ANSI/ASME B56.1 Safety Standard for Powered Industrial Low Lift and High Lift Trucks
ASME Pressure Vessel Code
Compressed Gas Association Pamphlet C-6 Standards for Visual Inspection of Steel Compressed Gas Cylinders
Compressed Gas Association Pamphlet P-1 Safe Handling of Compressed Gases in Containers
Compressed Gas Association Pamphlet S-1.1 Pressure Relief Device Standards - Cylinders for Compressed Gases
Compressed Gas Association Pamphlet S-1.2 Pressure Relief Device Standards - Cargo and Portable Tanks for Compressed Gases
Compressed Gas Association Pamphlet S-1.3 Pressure Relief Device Standards - Compressed Gas Storage Containers.
National Fire Protection Association (NFPA) National Fire Codes set
International Building Code
Uniform Mechanical Code

DOE Orders and Requirements

DOE Order 151.1 Comprehensive Emergency Management System
DOE Order 231.1 Environment, Safety and Health Reporting
DOE Order 232.1A Occurrence Reporting and Processing of Operations Information
DOE Order 420.1 Facility Safety; Section 4.2, Fire Protection (as applicable to Work Process #18)
DOE Order 470.1 Safeguards and Security Program, Chapters 1, 2, 5, 6, 7, 9, 10, as relevant to Work Process #18
DOE Order 474.1A Control and Accountability of Nuclear Materials
DOE Order 5400.5 Radiation Protection of the Public and the Environment; Ch. II, Sec. 3 and Ch. III, Derived Concentration Guides.

