

## List of Nuclear Safety Related Requirements of Interest to CNS Contract Review

Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
<b>10 CFR Part 820</b>	Code of Federal Regulation (CFR)	<i>Procedural Rules for DOE Nuclear Activities</i>	2000	Brent Nielsen
<b>10 CFR Part 830</b>	CFR	<i>Nuclear Safety Management</i>	2001	Steve McDuffie
<b>10 CFR 830, Subpart A</b>	CFR	<i>Nuclear Safety Management, Quality Assurance Requirements</i>	2001	Bill Weaver
<b>10 CFR 830, Subpart B, including Appendix A</b>	CFR	<i>Nuclear Safety Management, Safety Basis Requirements</i>	2001	Bill Weaver Steve McDuffie
<b>10 CFR Part 835</b>	CFR	<i>Occupational Radiation Protection</i>	1993	Amanda Anderson
<b>48 CFR 970.5203-2</b>	CFR	<i>DOE Acquisition Regulation, Performance Improvement and Collaboration</i>	2000	Steve McDuffie
<b>48 CFR 970.5204-2</b>	CFR	<i>DOE Acquisition Regulation, Laws, Regulations, and DOE Directives</i>	2000	Steve McDuffie

<sup>1</sup>Requirements include Code of Federal Regulations, DOE Policies, Orders, Manuals, Technical Standards, and Handbooks.

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>48 CFR 970.5215-3</b>	CFR	<i>DOE Acquisition Regulation, Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts</i>	2000	Steve McDuffie
	<b>48 CFR 970.5223-1</b>	CFR	<i>DOE Acquisition Regulation, Integration of Environment, Safety, and Health into Work Planning and Execution</i>	2000	Steve McDuffie
	<b>DOE O 140.1</b>	Order	<i>Interface with the Defense Nuclear Facilities Safety Board</i>	2018	Amanda Anderson
	<b>DOE O 151.1D</b>	Order	<i>Comprehensive Emergency Management System</i>	2016	Bill Weaver
	<b>DOE O 210.2A</b>	Order	<i>DOE Corporate Operating Experience Program</i>	2011	Steve McDuffie
	<b>DOE O 225.1B</b>	Order	<i>Accident Investigations</i>	2011	Bill Weaver
	<b>DOE O 226.1B</b>	Order	<i>Implementation of Department of Energy Oversight Policy</i>	2011	Bill Weaver
	<b>DOE O 227.1A</b>	Order	<i>Independent Oversight Program</i>	2015	Bill Weaver

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>DOE O 231.1B Admin Chg. 1</b>	Order	<i>Environment, Safety and Health Reporting</i>	2012	Bill Weaver
	<b>DOE O 232.2A</b>	Order	<i>Occurrence Reporting and Processing of Operations Information</i>	2017	Bill Weaver
	<b>DOE O 243.1B</b>	Order	<i>Records Management Program</i>	2013	Bill Weaver
	<b>DOE O 252.1A Chg. 1</b>	Order	<i>Technical Standards Program</i>	2013	Bill Weaver
	<b>DOE O 413.3B Chg. 5 (MinChg)</b>	Order	<i>Program and Project Management for the Acquisition of Capital Assets</i>	2018	Brent Nielsen
	<b>DOE O 414.1D Admin Chg. 1</b>	Order	<i>Quality Assurance</i>	2013	Bill Weaver
	<b>DOE O 420.1C Chg. 2 (MinChg)</b>	Order	<i>Facility Safety</i>	2018	Bill Weaver
	<b>DOE O 422.1 Admin Chg. 2</b>	Order	<i>Conduct of Operations</i>	2014	Bill Weaver
	<b>DOE O 425.1D Admin Chg. 1</b>	Order	<i>Verification of Readiness to Start Up or Restart Nuclear Facilities</i>	2013	Bill Weaver

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>DOE O 426.2 Admin Chg. 1</b>	Order	<i>Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities</i>	2013	Bill Weaver
	<b>DOE O 433.1B Admin Chg. 1</b>	Order	<i>Maintenance Management Program for DOE Nuclear Facilities</i>	2013	Steve McDuffie
	<b>DOE O 435.1 Chg. 1</b>	Order	<i>Radioactive Waste Management</i>	Certified 2007	Amanda Anderson
	<b>DOE M 435.1-1 Admin Chg. 2</b>	Manual	<i>Radioactive Waste Management Manual</i>	2011	Amanda Anderson
	<b>DOE O 442.1A</b>	Order	<i>Department of Energy Employee Concerns Program</i>	2001	Brent Nielsen
	<b>DOE O 442.2</b>	Order	<i>Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health</i>	2011	Brent Nielsen
	<b>DOE O 450.2</b>	Order	<i>Integrated Safety Management</i>	2011	Steve McDuffie
	<b>DOE O 451.1B Admin Chg. 3</b>	Order	<i>National Environmental Policy Act Compliance Program</i>	2012	Brent Nielsen
	<b>DOE O 458.1 Admin Chg. 3</b>	Order	<i>Radiation Protection of the Public and the Environment</i>	2013	Amanda Anderson

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>DOE O 460.1D</b>	Order	<i>Hazardous Materials Packaging and Transportation Safety</i>	2016	Amanda Anderson
	<b>DOE O 460.2A</b>	Order	<i>Departmental Materials Transportation and Packaging Management</i>	2004	Amanda Anderson
	<b>DOE M 460.2-1A</b>	Manual	<i>Radioactive Material Transportation Practices Manual</i>	2008	Amanda Anderson
	<b>DOE O 461.1C</b>	Order	<i>Packaging and Transportation for Offsite Shipment of Materials of National Security Interest</i>	2016	Bill Weaver
	<b>DOE O 461.2</b>	Order	<i>Onsite Packaging and Transfer of Materials of National Security Interest</i>	2010	Bill Weaver
	<b>DOE O 474.2 Admin Chg. 3</b>	Order	<i>Nuclear Material Control and Accountability</i>	2011	Bill Weaver
	<b>DOE-STD-1020-2016</b>	Technical Standard	<i>Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities</i>	2016	Steve McDuffie
	<b>DOE-STD-1027-2018 Chg. Notice 1</b>	Technical Standard	<i>Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports</i>	2018	Steve McDuff Bill Weaver
	<b>DOE-STD-1066-2016</b>	Technical Standard	<i>Fire Protection</i>	2016	Amanda Anderson

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>DOE-STD-1073-2016</b>	Technical Standard	<i>Configuration Management</i>	2016	Steve McDuffie
	<b>DOE-STD-1083-2009</b>	Technical Standard	<i>Processing Exemptions to Nuclear Safety Rules and Approval of Alternative Methods for Documented Safety Analyses</i>	Reaffirmed 2015	Amanda Anderson
	<b>DOE-STD-1090-2011</b>	Technical Standard	<i>Hoisting and Rigging (Formerly Hoisting and Rigging Manual)</i>	2011	Bill Weaver
	<b>DOE-STD-1098-2017</b>	Technical Standard	<i>Radiological Control</i>	2017	Amanda Anderson
	<b>DOE-STD-1107-97</b>	Technical Standard	<i>Knowledge, Skills, and Abilities for Key Radiation Protection Positions at DOE Facilities</i>	2007	Amanda Anderson
	<b>DOE-STD-1120-2016</b>	Technical Standard	<i>Preparation of Documented Safety Analysis for Decommissioning and Environmental Restoration Activities. Old title was "Integration of Environment, Safety, and Health into Facility Disposition Activities", 2 volumes</i>	2016	Bill Weaver
	<b>DOE-STD-1121-2008</b>	Technical Standard	<i>Internal Dosimetry</i>	CH-1 in 2013	Amanda Anderson
	<b>DOE-STD-1128-2013</b>	Technical Standard	<i>Guide of Good Practices for Occupational Radiological Protection in Plutonium Facilities</i>	2013	Amanda Anderson

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>DOE-STD-1129-2015</b>	Technical Standard	<i>Tritium Handling and Safe Storage</i>	2015	Bill Weaver
	<b>DOE-STD-1136-2017</b>	Technical Standard	<i>Guide of Good Practices for Occupational Radiological Protection in Uranium Facilities</i>	2017	Amanda Anderson
	<b>DOE-STD-1167-2003</b>	Technical Standard	<i>Respiratory Acceptance Program for Supplied-Air Suits</i>	Reaffirmed 2018	Amanda Anderson
	<b>DOE-STD-1186-2016</b>	Technical Standard	<i>Specific Administrative Controls</i>	2016	Steve McDuffie
	<b>DOE-STD-1189-2016</b>	Technical Standard	<i>Integration of Safety Into the Design Process</i>	2016	Steve McDuffie, Amanda Anderson
	<b>DOE-STD-1194-2011</b>	Technical Standard	<i>Nuclear Materials Control and Accountability</i>	CH-3 in 2013	Bill Weaver
	<b>DOE-STD-1195-2011</b>	Technical Standard	<i>Design of Safety Significant Safety Instrumented Systems used at DOE Nonreactor Nuclear Facilities</i>	2011	Brent Nielsen
	<b>DOE-STD-1197-2011</b>	Technical Standard	<i>Occurrence Reporting Causal Analysis</i>	2011	Bill Weaver
	<b>DOE-STD-3006-2010</b>	Technical Standard	<i>Planning and Conducting Readiness Reviews</i>	2010	Bill Weaver

	Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
	<b>DOE-STD-3007-2017</b>	Technical Standard	<i>Guidelines for Preparing Criticality Safety Evaluations at Department of Energy Non-Reactor Nuclear Facilities</i>	2017	Amanda Anderson
	<b>DOE-STD-3009-2014</b>	Technical Standard	<i>Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Documented Safety Analyses</i>	2014	Amanda Anderson
	<b>DOE-STD-3011-2016</b>	Technical Standard	<i>Guidance for Preparation of Basis for Interim Operation (BIO) Documents (revision to DOE-STD- 3011-94)</i>	2016	Steve McDuffie,
	<b>DOE-STD-3013-2018</b>	Technical Standard	<i>Stabilization, Packaging, and Storage of Plutonium-Bearing Materials</i>	2018	Bill Weaver
	<b>DOE-STD-3014-2006</b>	Technical Standard	<i>Accident Analysis for Aircraft Crash Into Hazardous Facilities</i>	Reaffirmed 2006	Brent Nielsen
	<b>DOE-STD-3020-2015</b>	Technical Standard	<i>Specification for HEPA Filters Used by DOE Contractors</i>	2015	Brent Nielsen
	<b>DOE-STD-3024-2011</b>	Technical Standard	<i>Content of System Design Descriptions</i>	2011	Bill Weaver
	<b>DOE-STD-3025-2007</b>	Technical Standard	<i>Quality Assurance Inspection and Testing of HEPA Filters</i>	2007	Brent Nielsen
	<b>DOE-STD-5506-2007</b>	Technical Standard	<i>Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities</i>	2007	Amanda Anderson

Requirement <sup>1</sup> as of August 2019	Type	Title	Latest Revision Date	CNS Staff Responsibility
DOE-STD-5507-2013	Technical Standard	<i>Standard for Communicating Waste Characterization and DOT Hazard Classification Requirements for Low Specific Activity Materials and Surface Contaminated Objects</i>	2013	Amanda Anderson