

Attachment F

Operating and Administrative Requirements (List B)

Prime Contract No. DE-AC36-08GO28308

The operating and administrative requirements, including the Contractor Requirements Documents of DOE directives listed below are applicable in whole or in part in accordance with clauses H-18 Application of DOE Contractor Requirements Documents and 970.5204-2, Laws, Regulations, and DOE Directives (DEC 2000). The concurrence analysis documenting applicability for each requirement below is maintained in the DOE Master File as well as any assurances as required by Clause H-18, and are made a part of this Contract by reference and are managed through a formal change control process.

| Operating and Administrative Requirements | Applicability |
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| DOE O 130.1 CRD Budget Formulation Approved: 09/29/95 | CRD applicable in whole |
| DOE O 142.3A CRD Unclassified Foreign Visits and Assignments Program Approved: 10/14/2010 | CRD applicable in whole |
| DOE O 151.1C CRD Comprehensive Emergency Management System Approved: 11/02/05 | CRD applicable in whole |
| DOE O 200.1A CRD Information Technology Management Approved: 12/23/2008 | CRD applicable in whole |
| DOE O 205.1B CRD Department of Energy Cyber Security Program Approved: 05/16/11 | CRD applicable in part |
| DOE O 206.1 CRD Department of Energy Privacy Program Approved: 01/16/09 | CRD applicable in whole |
| DOE O 206.2 CRD Identity, Credential, and Access Management (ICAM) 02/19/13 | CRD applicable in part |
| DOE O 210.2A CRD DOE Corporate Operating Experience Program Approved: 04/08/11 | CRD applicable in whole |
| DOE O 221.1A CRD Reporting Fraud, Waste, and Abuse to the Office of Inspector General Approved: 04/19/08 | CRD applicable in whole |

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| DOE O 221.2 CRD Cooperation with the Office of Inspector General Approved: 03/22/01 | CRD applicable in whole |
| DOE O 225.1B CRD Accident Investigations Approved: 03/04/11 | CRD applicable in whole |
| DOE O 226.1B CRD Implementation of Department of Energy Oversight Policy Approved 04/25/11 | CRD applicable in whole |
| DOE O 227.1 CRD Independent Oversight Program Approved: 08/30/11 | CRD applicable in whole |
| DOE O 231.1B CRD Environment, Safety and Health Reporting Approved: 06/27/11 | CRD applicable in whole |
| DOE O 232.2 CRD Occurrence Reporting and Processing of Operations Information Approved: 08/30/11 | CRD applicable in whole |
| DOE O 241.1B CRD Scientific and Technical Information Management Approved: 12/13/10 | CRD applicable in whole |
| DOE O 243.1B CRD Records Management Program Approved: 03/11/13 | CRD applicable in part |
| DOE O 350.1 CRD Change 5 Contractor Human Resource Management Programs Approved: 09/30/96 Change 5: 09/30/14 | CRD applicable in whole |
| DOE O 413.1A CRD Management Control Program Approved: 04/18/02 | CRD applicable in whole |
| DOE O 413.2B CRD Laboratory Directed Research and Development Approved: 04/19/06 | CRD applicable in whole |
| DOE O 413.3B CRD Program and Project Management for the Acquisition of Capital Assets Approved: 11/29/2010 | CRD applicable in whole |
| DOE O 414.1D CRD Quality Assurance Approved: 04/25/11 | CRD applicable in part |
| DOE O 430.1B CRD Change 2 Real Property Asset Management Approved: 09/24/03 | CRD applicable in whole |

| Operating and Administrative Requirements | Applicability |
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| DOE O 436.1 CRD Departmental Sustainability Approved: 05/02/11 | CRD is applicable in whole |
| DOE O 442.1A CRD Department of Energy Employee Concerns Program Approved: 06/06/01 | CRD applicable in whole |
| DOE O 442.2 CRD Differing Professional Opinions for Technical Issues Involving Environmental, Safety, and Health Technical Concerns Approved: 07/29/11 | CRD applicable in whole |
| DOE O 443.1B CRD Change 1 Protection of Human Research Subjects Approved: 04/21/16 | CRD applicable in part |
| DOE O 456.1 CRD The Safe Handling of Unbound Engineered Nanoparticles Approved: 05/31/11 | CRD applicable in part |
| DOE O 458.1 CRD Change 2 Radiation Protection of the Public and the Environment Approved: 06/06/11 | CRD applicable in part |
| DOE O 470.4B CRD Safeguards and Security Program Approved: 07/21/11 | CRD applicable in part |
| DOE O 470.5 CRD Insider Threat Program Approved 06/02/14 | CRD applicable in part |
| DOE O 471.3 CRD Identifying and Protecting Official Use Only Information Approved: 04/09/03 | CRD applicable in whole |
| DOE M 471.3-1 CRD Manual for Identifying and Protecting Official Use Only Information Approved: 04/09/03 | CRD applicable in whole |
| DOE O 472.2 CRD Personnel Security Approved: 07/21/11 | CRD applicable in part |
| DOE O 473.3 CRD Protection Program Operations Approved: 06/29/11 | CRD applicable in part |
| DOE O 475.1 CRD Counterintelligence Program Approved: 12/10/04 | CRD applicable in whole |
| DOE O 483.1B CRD DOE Cooperative Research and Development Agreements Approved: 12/20/16 | CRD applicable in part |

| Operating and Administrative Requirements | Applicability |
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| DOE O 484.1 CRD Reimbursable Work for the Department of Homeland Security Approved: 08/17/06 | CRD applicable in whole |
| DOE O 522.1 CRD Pricing of Departmental Materials and Services Approved: 11/03/04 | CRD applicable in whole |
| DOE O 534.1B CRD Accounting Approved: 01/06/03 | CRD applicable in whole |
| DOE O 551.1D CRD Official Foreign Travel Approved: 04/02/12 | CRD applicable in whole |
| DOE O 580.1A CRD Department of Energy Personal Property Management Program Approved: 03/30/12 | CRD applicable in whole |