| EXCEPTION TO SF 30, APPROVED BY NARS 5/79   |  |  |   |  | 1 Ston State Land Marketon and State |  |
|---|--|--|---|--|--|--|
| AMENDMENT OF SOLICITATION/MO  | DIFICATIO  | ON OF CO   | NTRACT  | 1. C   | ONTRACT ID CODE  | PAGE 1 OF 11                           |
| 2. AMENDMENT/MODIFICATION NO. M109  | Septembe   |  | 4. REQUISITION/PONA27344  | URCHA  | 5. PROJECT<br>NO. (lf<br>applicable)   |  |
| 6. ISSUED BY CODE   |  |  | 7. ADMINISTERED   | BY (If or                                    | her than Item 6)   | пристоку                               |
| U.S. Department of Energy/NNSA SC<br>M&O Contract Support Division<br>P.O. Box 5400<br>Albuquerque, NM 87185-5400   |  |  | Livermore Site Of 7000 East Avenue  | ffice N                                      |  |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (   | No., street, cou   | ntry, State, and   | l ZIP Code)   |  |  | OF                                     |
| Lawrence Livermore National Security, LL<br>Lawrence Livermore National Laboratory 1<br>7000 East Avenue<br>Livermore, CA 94550   |  |  |   |  | SOLICITATION NO.   | *****                                  |
|   | RIDMENT OF SOLICITATION/MODIFICATION OF CONTRACT    CONTRACT   CONTRACT   CONTRACT   |  | EM 11)  |  |  |  |
|   |  |  |   | x  | ORDER NO.<br>DE-AC52-07NA2734  | 4                                      |
| CODE  | FACILITY   | CODE   |   |  | <del>                                     </del>   | EWI 13)                                |
|   |  |  |   |  |  |  |
|   |  |  |   |  |  | is not                                 |
| the following methods: (a) By completing Items 8 and amendment on each copy of the offer submitted; or (c amendment numbers. FAILURE OF YOUR ACKNOT OFFERS PRIOR TO THE HOUR AND DATE SPECIF desire to change an offer already submitted, such charthe solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA | 25, and return)  By separate I  VLEDGEMEN  IED MAY RES  Inge may be morior to the op | ning coj<br>letter or telegr<br>NT TO BE REC<br>SULT IN REJE<br>ade by telegra | pies of the amendment;<br>am which includes a ref<br>EIVED AT THE PLACE<br>CTION OF YOUR OFFE<br>m or letter, provided ea | (b) By a<br>erence to<br>EDESIC<br>ER. If by | cknowledging receipt of<br>to the solicitation and<br>SNATED FOR THE REC<br>y virtue of this amendme   | this<br>EIPT OF<br>ent you             |
| see attached  | DI IEC ONI V   | TOMODIEI   | ATIONS OF CONTRA  | CTC /O                                       | DESERVE  |  |
|   |  |  |   | •  |  |  |
| A. THIS CHANGE ORDER IS ISSUED PURSI<br>CONTRACT/ORDER<br>NO. IN ITEM 10A.  | JANT TO: (Sp   | ecify authority) T   | HE CHANGES SET FOR  | TH IN I                                      | TEM 14 ARE MADE IN   |  |
|   |  |  |   |  | CHANGES (such as changes   | in paying office,                      |
|   |  |  |   | .03 (0).                                     |  | ······································ |
| x Clause H-19 Modification Aut  | hority, Cl   | lause I-12   | 0 changes, and C  | Claus  | e I-84 DOE Direc   | tives                                  |
|   |  |  | V   |  |  | •                                      |
| E. IMPORTANT: Contractor _X_ is not, _ is requ  | uired to sign t  | his document   | and return 2 copies to  | the issu                                     | ing office.  |  |
| feasible.)  |  |  |   | Ū  |  |  |
| •   | -  |  |   | _  | _  |  |
| , *   | is attache   | ed. All oth  | er terms, condition   | ns, to                                       | tal estimate cost a  | nd fees                                |
|   | ument reference  | ed in Item 9A or   | 10A, as heretofore changed  | . remain:                                    | s unchanged and in full force  | e and effect.                          |
| 15A. NAME AND TITLE OF SIGNER (Type or print)   |  |  | 16A. NAME AND T<br>print)<br>Ronna Promani, O   | ITLE O                                       | F CONTRACTING OFFI cting Officer   |  |
| 15B. CONTRACTOR/OFFEROR   |  |  | 16B. UNITED ST  | ATES   | OF AMERICA   | 16C, DATE<br>SIGNED                    |
| (Signature of person authorizea to sign)  | 10/  | 1/09   | By (Signature of  | Contrac                                      | ting OfficeT)  | iolilog                                |
|   |  | 30-10  | 7.6   |  |  | RD FORM 30                             |

Modification No.: M109 Supplemental Agreement to

Contract No.: DE-AC52-07NA27344

## Part III, Section J, Appendix G – List of Applicable Directives

In addition to the list of applicable directives listed below, the Contractor shall also comply with supplementary directives (e.g., manuals), which are invoked by a Contractor Requirements Document (CRD) attached to a directive. Electronic copies of these documents are available at the following Websites: http://directives.doe.gov/cgi-bin/currentchecklist

http://www.directives.doe.gov/directives/globsearch-adv.html

http://www.nnsa.doe.gov/

http://www.eh.doe.gov/techstds/standard/standard.html

NOTE: Not Applicable (N/A); Some directives were ineligible for implementation plans as they we added to DE-AC52-07NA27344 at it's inception on 10/01/07. Effective Date column denotes LLNS directive acceptance date or date directive was added unilaterally. NSO Directives are available from NSO.

| DIRECTIVE NUMBER            | DATE     | DOE DIRECTIVE TITLE   | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EFFECTIVE<br>DATE |
|-----------------------------|----------|---|-------------------------------|----------|-------------------|
| DOE O 110.3A                | 01/25/07 | Conference Management   | N/A                           | M003     | 10/01/07          |
| DOE O 130.1                 | 09/29/95 | Budget Formulation  | N/A                           | M003     | 10/01/07          |
| DOE M 140.1-1B              | 03/30/01 | Interface with the Defense Nuclear Facilities Safety Board  | N/A                           | M003     | 10/01/07          |
| DOE O 142.1                 | 01/13/04 | Classified Visits Involving Foreign Nationals   | N/A                           | M003     | 10/01/07          |
| DOE M 142.2-1               | 09/04/08 | Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency | N                             | M065     | 11/05/08          |
| DOE O 142.2A                | 12/15/06 | Voluntary Offer Safeguards Agreement and Additional Protocol with the IAEA  | N/A                           | M003     | 10/01/07          |
| DOE O 142.3 Chg 1           | 06/18/04 | Unclassified Foreign Visits and Assignment  | N                             | M037     | 04/15/08          |
| DOE O 150.1                 | 05/08/08 | Continuity Programs   | Y                             | M065     | 09/24/08          |
| DOE O 151.1C                | 11/02/05 | Comprehensive Emergency Management System   | N/A                           | M003     | 10/01/07          |
| DOE O 153.1                 | 06/27/07 | Departmental Radiological Emergency Response Assets   | N/A                           | M003     | 10/01/07          |
| DOE O 200.1A                | 12/23/08 | Information Technology Management   | N/A                           | M065     | 02/06/09          |
| DOE M 200.1-1,<br>Chapter 9 | 02/15/00 | Public Key Cryptography and Key Management  | N/A                           | M003     | 10/01/07          |

Part III, Section J, Appendix G - List of Applicable Directives

| DIRECTIVE NUMBER | DATE     | DOE DIRECTIVE TITLE   | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EFFECTIVE<br>DATE |
|------------------|----------|---|-------------------------------|----------|-------------------|
| DOE P 205.1      | 05/08/01 | Departmental Cyber Security Management Policy   | N/A                           | M003     | 10/01/07          |
| DOE O 205.1A     | 12/04/06 | Department of Energy Cyber Security Management  Note: NAP-14.1C, 14.2C to 14.3B dated 05/02/08 are implemented through this directive. The NAPs are not accessible to the public. | Y                             | M037     | 10/01/07          |
| DOE M 205.1-3    | 04/17/06 | Telecommunications Security Manual  Note: This document is not accessible to the public.  | Y                             | M003     | 10/01/07          |
| DOE M 205.1-4    | 03/08/07 | National Security Systems Manual  | Y                             | M003     | 10/01/07          |
| DOE M 205.1-5    | 08/12/08 | Cyber Security Process Requirements Manual This Manual is implemented by NAPs 14.1-C and 14.2-C dated 5/2/08. These NAPs are not accessible to the public.                        | N                             | M065     | 09/29/08          |
| DOE M 205.1-6    | 12/23/08 | Media Sanitization Manual This Manual is implemented by NAP 14.1-C dated 5/2/08. This NAP is not accessible to the public.  | N                             | M065     | 02/04/09          |
| DOE M 205.1-7    | 01/05/09 | Security Controls for Unclassified Information Systems This Manual is implemented by NAPs 14.1-C and 14.2-C dated 5/2/08. These NAPs are not accessible to the public.            | N                             | M069     | 03/05/09          |
| DOE M 205.1-8    | 02/08/09 | Cyber Security Incident Management Manual This Manual is implemented by NAPs 14.1-C and 14.2-C dated 5/2/08. These NAPs are not accessible to the public.                         | N                             | M069     | 03/05/09          |
| DOE O 206.1      | 01/16/09 | Department of Energy Privacy Program  This Order is implemented by NAPs 14.1-C and 14.2-C dated 5/2/08.  These NAPs are not accessible to the public.                             | N                             | M069     | 03/05/09          |
| DOE N 206.4      | 06/29/07 | Personal Identity Verification  |                               | M003     | 10/01/07          |
| DOE N 206.5      | 10/09/07 | Response and Notification Procedures for Data Breaches<br>Involving Personally Identifiable Information   | N                             | M037     | 05/08/08          |
| DOE O 210.2      | 06/12/06 | DOE Corporate Operating Experience Program  |                               | M003     | 10/01/07          |
| DOE O 221.1A     | 04/19/08 | Reporting Fraud, Waste, and Abuse to the Office of Inspector General  | N                             | M037     | 06/02/08          |
| DOE O 221.2A     | 02/25/08 | Cooperation With The Office of Inspector General  | N/A                           | M069     | 03/31/08          |

Part III, Section J, Appendix G - List of Applicable Directives

| DIRECTIVE NUMBER      | DATE     | DOE DIRECTIVE TITLE   | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EFFECTIVE<br>DATE |
|-----------------------|----------|---|-------------------------------|----------|-------------------|
| DOE O 225.1A          | 11/26/97 | Accident Investigations   | N/A                           | M003     | 10/01/07          |
| DOE O 226.1A          | 07/31/07 | Implementation of Department of Energy Oversight Policy   | N/A                           | M003     | 10/01/07          |
| DOE O 231.1A, Chg 1   | 06/03/04 | Environment, Safety, and Health Reporting   | N/A                           | M003     | 10/01/07          |
| DOE M 231.1-1A, Chg 2 | 09/09/04 | Environment, Safety, and Health Reporting Manual  | N/A                           | M003     | 10/01/07          |
| DOE M 231.1-2         | 08/19/03 | Occurrence Reporting and Processing of Operations Information   | N/A                           | M003     | 10/01/07          |
| DOE N 234.1           | 02/27/08 | Reporting of Radioactive Sealed Sources   | N                             | M040     | 08/12/08          |
| DOE O 241.1A, Chg 1   | 10/14/03 | Scientific and Technical Information Management   | N/A                           | M003     | 10/01/07          |
| DOE O 243.1           | 02/03/06 | Records Management Program  | Y                             | M093     | 01/26/09          |
| DOE O 243.2           | 02/02/06 | Vital Records   | Y                             | M063     | 02/17/09          |
| DOE O 251.1B          | 08/16/06 | Departmental Directives Program   | N/A                           | M003     | 10/01/07          |
| DOE M 251.1-1B        | 01/30/98 | Directives System Manual  | N/A                           | M003     | 10/01/07          |
| DOE O 252.1           | 11/19/99 | Technical Standards Program   |                               | M003     | 10/01/07          |
| DOE O 341.1A          | 10/18/07 | Federal Employee Health Services Paragraph 4b and Attachment 1, Paragraph 2a only   | Y                             | M003     | 01/07/08          |
| DOE O 350.2A          | 10/29/03 | Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area | N/A                           | M003     | 10/01/07          |
| DOE O 412.1A          | 04/21/05 | Work Authorization System   | N/A                           | M003     | 10/01/07          |
| DOE O 413.1B          | 10/28/08 | Internal Control Program  | N/A                           | M069     | 12/10/08          |
| DOE O 413.2B          | 04/19/06 | Laboratory Directed Research & Development  | N/A                           | M003     | 10/01/07          |
| DOE O 413.3A Chg 1    | 07/28/06 | Program and Project Management for the Acquisition of Capital Assets  | N                             | M066     | 03/05/09          |
| DOE G 413.3-3         | 11/15/07 | Safeguards and Security for Program and Project Management  | N                             | M018     | 01/08/08          |
| DOE O 414.1C          | 06/17/05 | Quality Assurance   | N/A                           | M003     | 10/01/07          |
| DOE O 420.1B          | 12/22/05 | Facility Safety   | N/A                           | M003     | 10/01/07          |
| DOE G 420.1-1         | 03/28/00 | Nonreactor Nuclear Safety Design Criteria and Explosives<br>Safety Criteria Guide for use with DOE O 420.1, Facility<br>Safety      | N/A                           | M003     | 10/01/07          |
| DOE O 420.2B          | 07/23/04 | Safety of Accelerator Facilities  | Y                             | M003     | 10/01/07          |

Part III, Section J, Appendix G – List of Applicable Directives

| DIRECTIVE NUMBER     | DATE     | DOE DIRECTIVE TITLE  | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EFFECTIVE<br>DATE |
|----------------------|----------|--|-------------------------------|----------|-------------------|
| DOE G 420.2-1        | 07/01/05 | Accelerator Facility Safety Implementation Guide                                       | N/A                           | M003     | 10/01/07          |
| DOE O 425.1C         | 03/13/03 | Startup and Restart of Nuclear Facilities  | N/A                           | M003     | 10/01/07          |
| DOE O 430.1B Chg 1   | 02/08/08 | Real Property Asset Management   | N                             | M037     | 03/13/08          |
| DOE O 430.2B         | 02/27/08 | Departmental Energy, Renewable Energy, and Transportation<br>Management                | N                             | M037     | 08/06/08          |
| DOE O 433.1A         | 02/13/07 | Maintenance Management Program for DOE Nuclear Facilities                              | N/A                           | M003     | 10/01/07          |
| DOE O 435.1, Chg 1   | 08/28/01 | Radioactive Waste Management   | N/A                           | M003     | 10/01/07          |
| DOE M 435.1-1, Chg 1 | 06/19/01 | Radioactive Waste Management Manual  | N/A                           | M003     | 10/01/07          |
| DOE M 440.1-1A       | 01/09/06 | DOE Explosives Safety Manual   | N/A                           | M003     | 10/01/07          |
| DOE O 440.2B Chg 1   | 11/19/06 | Aviation Management and Safety   | N/A                           | M003     | 10/01/07          |
| DOE M 441.1-1        | 03/07/08 | Nuclear Material Packaging Manual  | Y                             | M037     | 04/22/08          |
| DOE O 442.1A         | 06/06/01 | Department Of Energy Employee Concerns Program   | N/A                           | M003     | 10/01/07          |
| DOE M 442.1-1        | 11/16/06 | Differing Professional Opinions for Technical Issues Involving ES&H                    | N/A                           | M003     | 10/01/07          |
| DOE O 443.1A         | 12/20/07 | Protection of Human Subjects   | Ñ                             | M037     | 03/03/08          |
| DOE O 450.1A         | 06/04/08 | Environmental Protection Program   | Y                             | M065     | 08/28/08          |
| DOE M 450.3-1        | 01/25/96 | Department of Energy Closure Process for Necessary and<br>Sufficient Sets of Standards | N/A                           | M003     | 10/01/07          |
| DOE M 450.4-1        | 11/01/06 | Integrated Safety Management System Manual   | N/A                           | M003     | 10/01/07          |
| DOE P 450.7          | 08/02/04 | Environment, Safety, and Health (ESH) Goals  | N/A                           | M003     | 10/01/07          |
| DOE O 451.1B, Chg 1  | 09/28/01 | National Environmental Policy Act Compliance Program –<br>Change 1                     | N/A                           | M003     | 10/01/07          |
| DOE O 452.1D         | 04/14/09 | Nuclear Explosive and Weapon Surety Program  | N                             | M093     | 06/16/09          |
| DOE O 452.2D         | 04/14/09 | Nuclear Explosive Safety   | N                             | M093     | 06/16/09          |
| DOE M 452.2-1A       | 04/14/09 | Nuclear Explosive Safety Manual  | N                             | M093     | 06/16/09          |
| DOE M 452.2-2        | 04/14/09 | Nuclear Explosive Safety Evaluation Processes  | N                             | M093     | 06/16/09          |

Part III, Section J, Appendix G - List of Applicable Directives

| DIRECTIVE NUMBER     | DATE     | DOE DIRECTIVE TITLE  | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EFFECTIVE<br>DATE |
|----------------------|----------|--|-------------------------------|----------|-------------------|
| DOE O 452.3          | 06/08/05 | Management of the Department of Energy Nuclear Weapons<br>Complex                      | N/A                           | M003     | 10/01/07          |
| DOE M 452.4-1A       | 03/11/04 | Protection of Use Control Vulnerabilities and Designs                                  | N/A                           | M003     | 10/01/07          |
| DOE O 452.4A         | 12/17/01 | Security and Control of Nuclear Explosives and Nuclear Weapons                         | N/A                           | M003     | 10/01/07          |
| DOE O 452.6A         | 04/14/09 | Nuclear Weapon Surety Interface with the Department of Defense                         | N                             | M093     | 06/16/09          |
| DOE N 456.1          | 01/05/09 | Safe Handling of Unbound Engineered Nanaoparticles                                     | N                             | M109     | 09/24/09          |
| DOE O 457.1          | 02/07/06 | Nuclear Counterterrorism   | N/A                           | M003     | 10/01/07          |
| DOE M 457.1-1        | 08/10/06 | Control of Improvised Nuclear Device Information                                       | N/A                           | M003     | 10/01/07          |
| DOE O 460.1B         | 04/04/03 | Packaging and Transportation Safety  | N/A                           | M003     | 10/01/07          |
| DOE O 460.2A         | 06/04/08 | Departmental Materials Transportation & Packaging Management                           | N/A                           | M003     | 10/01/07          |
| DOE M 460.2-1A       | 09/23/02 | Radioactive Material Transportation Practices  | N                             | M037     | 08/12/08          |
| DOE O 461.1A         | 04/26/04 | Packaging and Transfer or Transportation of Materials of<br>National Security Interest | N/A                           | M003     | 10/01/07          |
| DOE M 461.1-1, Chg 1 | 07/26/05 | Packaging and Transfer of Materials of National Security<br>Interest Manual            | N/A                           | M003     | 10/01/07          |
| DOE P 470.1          | 05/08/01 | Integrated Safeguards and Security Management (ISSM) Policy                            | N/A                           | M003     | 10/01/07          |
| DOE O 470.2B         | 10/31/02 | Independent Oversight and Performance Assurance Program                                | N/A                           | M003     | 10/01/07          |
| DOE O 470.3A         | 11/29/05 | Design Basis Threat Policy (U)   | N/A                           | M003     | 10/01/07          |
| DOE O 470.4A         | 05/25/07 | Safeguards and Security Program  | N                             | M018     | 01/31/08          |
| DOE M 470.4-1, Chg 1 | 08/26/05 | Safeguards and Security Program Planning and Management                                | N/A                           | M003     | 10/01/07          |
| DOE M 470.4-2, Chg 1 | 08/26/05 | Physical Protection  | N/A                           | M003     | 10/01/07          |
| DOE M 470.4-3, Chg 1 | 08/26/05 | Protective Force; Attachment 2; CRD, Section C only                                    | N                             | M003     | 10/01/07          |
| DOE M 470.4-3A       | 11/05/08 | Contractor Protective Force  | Y                             | M071     | 03/09/09          |
| DOE M 470.4-4A       | 01/16/09 | Information Security Manual  | N                             | M076     | 04/09/09          |
| DOE M 470.4-5        | 08/26/05 | Personnel Security   | N/A                           | M003     | 10/01/07          |
| DOE M 470.4-6, Chg 1 | 08/26/06 | Nuclear Material Control and Accountability  | N/A                           | M003     | 10/01/07          |
| DOE M 470.4-7        | 08/26/05 | Safeguards and Security Program References   | N/A                           | M003     | 10/01/07          |

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|-----------------------|----------|---|-------------------------------|----------|-------------------|
| DOE O 471.1A          | 06/30/00 | Identification and Protection of Unclassified Controlled Nuclear Information  | N/A                           | M003     | 10/01/07          |
| DOE M 471.1-1, Chg. 1 | 10/23/01 | Identification and Protection of Unclassified Controlled Nuclear Information Manual   | N/A                           | M003     | 10/01/07          |
| DOE M 471.2-2         | 08/03/99 | Classified Information Systems Security Manual Chapters I to VIII and the CRD for Classified Systems and Accreditation Only | N                             | M018     | 01/30/08          |
| DOE M 471.2-3B        | 10/29/07 | Special Access Program Policies, Responsibilities, and Procedures   | N                             | M018     | 01/22/08          |
| DOE O 471.3           | 04/09/03 | Identifying and Protecting Official Use Only Information  | N/A                           | M003     | 10/01/07          |
| DOE M 471.3-1         | 04/09/03 | Manual for Identifying and Protecting Official Use Only Information   | N/A                           | M003     | 10/01/07          |
| DOE O 475.1           | 12/10/04 | Counterintelligence Program   | N/A                           | M003     | 10/01/07          |
| DOE M 475.1-1B        | 08/28/07 | Manual for Identifying Classified Information   | Y                             | M003     | 10/31/07          |
| DOE O 475.2           | 08/28/07 | Identifying Classified Information  | Y                             | M003     | 10/31/07          |
| DOE M 481.1-1A, Chg 1 | 09/28/01 | Reimbursable Work for Non-Federal Sponsors Process<br>Manual  | N/A                           | M003     | 10/01/07          |
| DOE O 484.1           | 08/17/06 | Reimbursable Work for Department of Homeland Security   | N/A                           | M003     | 10/01/07          |
| DOE O 482.1           | 01/12/01 | DOE Facilities Technology Partnering Programs   | N/A                           | M003     | 10/01/07          |
| DOE M 483.1-1         | 01/12/01 | DOE Cooperative Research & Development Agreements Manual  | N/A                           | M003     | 10/01/07          |
| DOE O 483.1           | 01/12/01 | DOE Cooperative Research & Development Agreements   | N/A                           | M003     | 10/01/07          |
| DOE O 522.1           | 11/03/04 | Pricing of Departmental Materials and Services  | N/A                           | M003     | 10/01/07          |
| DOE O 534.1B          | 01/06/03 | Accounting  | N/A                           | M003     | 10/01/07          |
| DOE O 551.1C          | 06/24/08 | Official Foreign Travel   | N                             | M037     | 07/29/08          |
| DOE O 580.1 Chg 1     | 12/07/05 | Department of Energy Personal Property Management<br>Program and 41 CFR 109-1.53, 41 CFR 109-38, and 41 CFR<br>109-50.1     | N                             | M037     | 07/08/08          |
| DOE O 1220.1A, Chg. 1 | 06/28/92 | Congressional & Intergovernmental Affairs   | N/A                           | M003     | 10/01/07          |

Part III, Section J, Appendix G – List of Applicable Directives

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|--------------------------------|----------|--|-------------------------------|----------|-------------------|
| DOE O 1340.1B                  | 01/07/93 | Management of Public Communications and Scientific,<br>Technical, and Engineering Publications                                     | N/A                           | M003     | 10/01/07          |
| DOE O 1450.4                   | 11/12/92 | Consensual Listening-In to or Recording Telephone/Radio<br>Conversations   | N/A                           | M003     | 10/01/07          |
| DOE O 5400.5, Chg 2            | 01/07/93 | Radiation Protection of the Public and the Environment   | N/A                           | M003     | 10/01/07          |
| DOE O 5480.19, Chg 2           | 10/23/01 | Conduct of Operations Requirements for DOE Facilities  | N/A                           | M003     | 10/01/07          |
| DOE O 5480.20A, Chg 1          | 07/12/01 | Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities   | N/A                           | M003     | 10/01/07          |
| DOE O 5610.2, Chg 1.           | 09/02/86 | Control of Weapon Data   | N/A                           | M003     | 10/01/07          |
| DOE O 5639.8A                  | 07/23/93 | Security of Foreign Intelligence Information and Sensitive<br>Compartmented Information Facilities                                 | N/A                           | M003     | 10/01/07          |
| DOE O 5660.1B                  | 05/26/94 | Management of Nuclear Materials  | N/A                           | M003     | 10/01/07          |
| DOE O 5670.1A                  | 01/15/92 | Management and Control of Foreign Intelligence   | N/A                           | M003     | 10/01/07          |
| SEN-22-90                      | 05/08/90 | DOE Policy on Signatures of RCRA Permit Applications   | N/A                           | M003     | 10/01/07          |
| DOE STD-1020-2002              | 01/02    | Natural Phenomena Hazards Design Evaluation Criteria for Department of Energy Facilities   | N/A                           | M003     | 10/01/07          |
| DOE STD-1021-1993<br>Change 1  | 04/02    | Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components                            | N/A                           | M003     | 10/01/07          |
| DOE STD-1022-1994<br>Change 1  | 04/02    | Natural Phenomena Hazards Characterization Criteria  | N/A                           | M003     | 10/01/07          |
| DOE STD-1023-1995<br>Change 1  | 04/02    | Natural Phenomena Hazards Assessment Criteria  | N/A                           | M003     | 10/01/07          |
| DOE-STD-1027-1992,<br>Change 1 | 09/97    | Hazard Categorization and Accident Analysis Techniques for<br>Compliance with DOE Order 5480.23 Nuclear Safety Analysis<br>Reports | N/A                           | M003     | 10/01/07          |
| DOE-STD-1073-2003              | 10/03    | Department of Energy Standard Configuration Management   | Y                             | M003     | 10/01/07          |
| DOE-STD-1189-2008              | 03/08    | Integration of Safety into the Design Process  | N                             | M066     | 03/05/09          |
| DOE-STD-1090-2007              | 12/07    | Hoisting and Rigging   | N                             | M037     | 04/09/08          |
| DOE STD-1098-2008              | 10/08    | DOE Standard Radiological Control  | Ÿ                             | M093     | 04/15/09          |
| DOE HDBK-1129-1999             | 03/99    | Tritium Handling and Safe Storage  | N/A                           | M003     | 10/01/07          |

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Part III, Section J, Appendix G - List of Applicable Directives

| DIRECTIVE NUMBER                      | DATE     | DOE DIRECTIVE TITLE   | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EFFECTIVE<br>DATE |
|---------------------------------------|----------|---|-------------------------------|----------|-------------------|
| DOE-STD-1186-2004                     | 08/04    | Specific Administrative Controls  | N/A                           | M003     | 10/01/07          |
| DOE-STD-3006-2000                     | 06/00    | Planning and Conduct of Operational Readiness Reviews   | N/A                           | M003     | 10/01/07          |
| DOE-STD-3009-1994,<br>Change Notice 3 | 04/02    | Preparation Guide for U.S. DOE Nonreactor Nuclear Facility Safety Analysis Reports  | N/A                           | M003     | 10/01/07          |
| DOE-STD-3011-2002                     | 12/02    | Guidance for Preparation of Basis for Interim Operation (BIO) Documents   | N/A                           | M003     | 10/01/07          |
| DOE-STD-3013-2004                     | 04/04    | Stabilization, Packaging, And Storage Of Plutonium-Bearing Materials  | N/A                           | M003     | 10/01/07          |
| DOE-STD-3014-1996                     | 10/96    | Accident Analysis for Aircraft Crash into Hazardous Facilities  | N/A                           | M003     | 10/01/07          |
| DOE-STD-3016-2006                     | 05/06    | Hazard Analysis Reports for Nuclear Explosive Operations  | N                             | M037     | 03/14/08          |
| DOE STD-3020-2005                     | 12/05    | Specification for HEPA Filters Used by DOE Contractors  | N/A                           | M003     | 10/01/07          |
| DOE STD-7501-1999                     | 12/99    | The DOE Lessons Learned Program   | N/A                           | M003     | 10/01/07          |
| QC-1, Revision 10                     | 02/10/04 | DOE/NNSA Weapon Quality Policy (QC-1)   | N/A                           | M003     | 10/01/07          |
| Development and Production<br>Manual  | 02/08/06 | Note: This document is not accessible to the public.  Development and Production Manual  Note: This document is not accessible to the public. | N/A                           | M003     | 10/01/07          |
| Technical Business Practices          | various  | Technical Business Practices  Note: This document is not accessible to the public.  | N/A                           | M003     | 10/01/07          |
| Infrastructure Business Practices     | various  | Infrastructure Business Practices  Note: This document is not accessible to the public.   | N/A                           | M003     | 10/01/07          |
| Production Realization<br>Standards   | various  | Production Realization Standards  Note: This document is not accessible to the public.  | N/A                           | M003     | 10/01/07          |

Part III, Section J, Appendix G - List of Applicable Directives

| DIRECTIVE NUMBER   | DATE     | NSO DIRECTIVE TITLE  | IMPLEMENTATION<br>PLAN<br>Y/N | MOD<br># | EEFFECTIVE<br>DATE |
|--------------------|----------|--|-------------------------------|----------|--------------------|
|                    |          | Applicable only for work performed at the Nevada Test Site.                                      |                               |          |                    |
| NSO O 146.X Chg 1  | 07/31/03 | Facilities and Test Site Visits/Tours  | N                             | M065     | 02/20/09           |
| NSO M 412.X-1D     | 05/23/06 | Real Estate/Operations Permits   | N                             | M069     | 03/18/09           |
| NSO M 412.X-2      | 05/16/06 | Project Screening and Siting Approval Process  | N                             | M069     | 03/18/09           |
| NSO O 412.X3C      | 08/13/08 | Activity Level Work Control  | N                             | M069     | 03/18/09           |
| NSO O 440.XA       | 06/11/07 | Underground Operations Safety and Health   | N                             | M065     | 02/20/09           |
| NSO O 440.X2A      | 06/04/08 | Site-Wide Lightning and Other Hazardous Weather Detection and Protection                         | N                             | M065     | 02/20/09           |
| NSO O 450.XA       | 03/10/06 | Nevada Test Site Access and Area Control   | N                             | M065     | 02/20/09           |
| NSO M 450.X2-1     | 05/30/07 | Underground Nuclear Testing, Test Readiness, and Threshold<br>Test, Ban Treaty, Ban Verification | N                             | M065     | 02/20/09           |
| NSO O 450.X5       | 07/31/03 | Subcritical Experiments  | N                             | M069     | 03/18/09           |
| NSO O 460.X        | 10/26/05 | Hazardous Materials Notification System  | N                             | M069     | 03/18/09           |
| NSO O 470.X1B      | 05/30/07 | Facility Security Survey Corrective Action Planning  | N                             | M065     | 02/20/09           |
| NSO O 473.XB Chg 1 | 11/27/07 | Lock and Key Control   | N                             | M065     | 02/20/09           |

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Part III, Section J, Appendix G – List of Applicable Directives

## (A) <u>Implementation of applicable directives.</u>

- (1) The Contractor shall submit an implementation plan to the Contracting Officer when required by the directive or other instruction of the Contracting Officer and within 60 days of contract award or acceptance of the directive after contract award.
- (2) The Contracting Officer will approve or disapprove the plan and notify the Contractor of the decision. If the Contracting Officer disapproves the plan, he/she shall clearly identify all deficiencies and provide reasonable suggestions for making the plan acceptable. Within 30 days after notification of the disapproval of a plan, the Contractor shall submit to the Contracting Officer the revised plan for approval as described above.
- (3) During the process of implementation, the Contractor will notify the Contracting Officer if modifications to the plan are required for any reason. The Contracting Officer will consider all such requests and will not unreasonably withhold his/her approval to modify such plans when circumstances warrant modification.

09/11/09