NEVADA NATIONAL SECURITY SITE AND NORTH LAS VEGAS FACILITIES
GENERAL USE AND OPERATIONS REQUIREMENTS
1. **OBJECTIVES.** This Order establishes general use and operations requirements for the National Nuclear Security Administration (NNSA) Nevada Field Office (NNSA/NFO) at the Nevada National Security Site (NNSS) and associated North Las Vegas Facilities (NLVF). The Order is divided in six appendices that contain requirements to ensure (1) compatibility of new missions and projects with existing missions, site plans, and use of site resources; (2) authorized site access and scheduling of ground/air operations; (3) notification and consistent response to hazardous weather conditions; (4) implementation of local emergency response; (5) notification and management of hazardous materials transportation; and (6) control of site and facility tours.

2. **CANCELLATIONS.**
   
a. NSO M 412.X-2, PROJECT SCREENING AND SITING APPROVAL PROCESS, dated 5-16-06.

b. NV O 450.XA, NEVADA TEST SITE ACCESS AND AREA CONTROL, dated 3-10-06.


d. NSO O 151.1B, COMPREHENSIVE EMERGENCY MANAGEMENT SYSTEM, dated 9-6-11.

e. NSO O 460.XA, HAZARDOUS MATERIALS NOTIFICATION SYSTEM, dated 12-09-09.

f. NSO O 140.X Chg 1, FACILITIES AND TEST SITE VISITS AND TOURS, dated 03-24-06.

3. **APPLICABILITY.**
   
a. **NNSA/NFO Organizational Elements.** The provisions of this Order apply to all NNSA/NFO organizational elements and other Federal users on the NNSS.

b. **Contractors.** Requirements applicable to NNSA/NFO contractors and National Laboratories on the NNSS are set forth in the Contractor Requirements Document (CRD), Attachment 1 of each appendix in this Order. Compliance with the CRD will be required to the extent set forth in a contract, purchase order, or agreement.
c. **Exemptions.**

   (1) Integrated NNSS Access Safety Training requirements do not apply to the following:

   (a) Personnel participating in NNSS tours.

   (b) Escorted personnel.

   (2) Facility/Site tour activities conducted at the Remote Sensing Laboratory (RSL) Nellis, RSL Andrews, and NNSA/NFO Santa Barbara facilities are exempt from tour requirements, except when Very Important Person (VIP) tours of those facilities are planned.

   (3) NNSA National Level Programs and those mandated by law or consent order do not require screening.

   (4) Classified and Special Access Programs vetted through the appropriate NNSA/NFO Assistant Manager are exempt from the screening and siting process described in this Order.

4. **DEFINITIONS.** The following terms may be used in this Order:

   a. **Alternative Emergency Response Telephone Number.** An emergency response telephone number other than that manned by NNSS Emergency Response Organization (ERO) personnel (295-0311), used to comply with the requirements of Title 49 Code of Federal Regulations (CFR) 172.604 for outbound offsite shipments.

   b. **Alternative Reporting Process.** For various reasons (i.e., security), it may be necessary to use an alternative process to report NNSS onsite movements of hazardous material (HAZMAT) as well as offsite shipments made by the Office of Secure Transportation (OST) to the NNSS ERO.

   c. **Charlie Barricades:** A “Charlie” barricade is a fence, gate, chain, rope, barriers, cones, and/or other means of controlling access to some part of the site or area internal to the NNSS for purposes of safety, security, or to limit access. “Charlie” barricades are controlled or used with permission of the Operations Coordination Center (OCC).

   d. **Comprehensive Emergency Response Information.** Information required by hazardous materials regulations that should be immediately available at the emergency response telephone number. It includes specific, product-based information (e.g., flash point; toxicity data; boiling point; vapor density; specific gravity; solubility; miscibility; water reactivity; flammable limits; order; physical
state—gas, liquid, or solid; and detailed medical information), and is included in the facility/activity emergency response plan or similar documentation.

e. **Controlled Access Area.** Any area on the NNSS that has controls in place to restrict access, including areas for which OCC authorization is required before entry. These areas are clearly posted with control signs containing OCC contact information. NNSS Controlled Access Areas include any areas controlled with a barricade as well as those areas defined in Appendix B, Attachment 3.

f. **Emergency Operations Center (EOC).** A dedicated facility used by management and support personnel working with offsite organizations and personnel to carry out coordinated emergency response activities.

g. **Facility.** Land, buildings, and other structures; their functional systems and equipment; and other fixed systems and equipment installed therein, including site development features outside the plant, such as landscaping, roads, walks, parking areas, outside lighting and communication systems, central utility plants, utilities supply and distribution systems, and other physical plant features. These include any of the facilities owned, leased, or controlled by the U.S. Department of Energy (DOE) and NNSA and furnished to a contractor under a contract with DOE and NNSA.

h. **Forward Area.** All areas on the NNSS north of Mercury and CP-Hill, formerly Gate 200.

i. **New Project.** Any project planned to meet an objective or mission not covered by an existing scope of work within an existing facility or a current primary or secondary Real Estate/Operations Permit (REOP). (For example, a Work for Others project being proposed at the NNSS.)

j. **Off-Road.** Away from primary access roads, remote areas, trails, or open spaces on the NNSS.

k. **Personnel Accountability.** Organizational awareness of the personnel who are on the NNSS; their location, general purpose, and activity; and their responsibility to have radio contact capability with the OCC.

l. **Programmatic Tours.** Those tours that involve only one program area and persons officially associated with that single program.

m. **Project.** In general, a unique effort that supports a program mission; having a defined start and end; undertaken to create a product, facility, or system; and containing interdependent activities planned to meet a common objective or mission.
n. **Public Tours.** Tours on the NNSS that involve groups or individuals not associated with DOE or their associated contractors or laboratories.

o. **Remote Area.** Areas of the NNSS that receive minimal infrastructure support. These include Areas 19 and 20 and portions of Areas 12, 17, and 18 and the areas highlighted in light blue as NNSS Controlled Access Areas on the map in Appendix B, Attachment 3.

p. **Security Areas.** A physical space containing safeguards and security interests that require physical protection measures to control access to and from the designated area in order to protect DOE assets.

q. **Unmanned Aerial System (UAS).** The unmanned aircraft (UA) and all associated support equipment, control station, data links, telemetry, communications and navigation equipment necessary to operate the UA.

5. **REFERENCES.** The References contained in this Order intentionally do not include revision letters or dates. Specific references are to the most current, or successor, version applicable to NNSA/NFO activities.

   a. DOE O 142.3, UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS.

   b. DOE O 151.1, COMPREHENSIVE EMERGENCY MANAGEMENT SYSTEM.

   c. DOE G 151.1-1, EMERGENCY MANAGEMENT FUNDAMENTALS AND THE OPERATIONAL EMERGENCY BASE PROGRAM.

   d. DOE O 142.3, UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS.

   e. DOE O 440.1, WORKER PROTECTION PROGRAM FOR DOE FEDERAL EMPLOYEES.

   f. DOE O 440.2, AVIATION MANAGEMENT AND SAFETY.

   g. DOE O 460.1, PACKAGING AND TRANSPORTATION SAFETY.

   h. DOE O 461.1, PACKAGING AND TRANSPORTATION FOR OFFSITE SHIPMENT OF MATERIALS OF NATIONAL SECURITY INTEREST.

   i. DOE O 470.4, SAFEGUARDS AND SECURITY PROGRAM.

   j. DOE O 472.2, PERSONNEL SECURITY.
k. DOE O 473.3, PROTECTION PROGRAM OPERATIONS.
l. NSO O 111.X, FUNCTIONS, RESPONSIBILITIES, AND AUTHORITIES.
m. NFO O 226.X, LINE OVERSIGHT (LO) PROGRAM.
n. NSO O 412.X1, REAL ESTATE/OPERATIONS PERMIT.
p. NNSA/NSO Consolidated Emergency Readiness Assurance Plan.
q. 10 CFR 851, Worker Safety and Health Program.
r. 29 CFR 1920, Occupational Safety and Health Standards, Section 151 (b).
s. 49 CFR, Transportation.
t. 49 CFR 171.8, Definitions and Abbreviations.
u. 49 CFR 172, Subpart G, Emergency Response Information.
v. 49 CFR 172, Subpart H, Training.
w. 49 CFR 172.600, Applicability and General Requirements.
x. 49 CFR 172.604, Emergency Response Telephone Number.
y. Memorandum of Understanding (MOU) and Memorandum of Agreement (MOA) between NNSA/NFO and U.S. Air Force (USAF).


dd. Occupational Safety and Health Administration Standard Interpretation and Compliance Letters, Interpretation of the Term, “In Near Proximity.”


6. **CONTACT.** Questions concerning this Order should be addressed to the Assistant Manager for Site Operations (AMSO) at (702) 295-3424.

[Signature]

Steven J. Lawrence
Manager
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APPENDIX A

PROJECT SCREENING AND SITING

This appendix addresses requirements and supplemental Federal responsibilities for screening and siting of new projects. The information provided here and in the CRD is intended to ensure that new projects coming to the NNSS are screened for compatibility with existing missions, site planning, and use of site resources.

1. REQUIREMENTS.
   a. New projects at the NNSS must be approved by the NNSA/NFO Manager based on the recommendation of the Project Review Team (PRT).
   b. New projects require obtaining screening and location information, and a recommendation from the Management and Operating (M&O) Contractor.
   c. The PRT recommendation must be forwarded to the NNSA/NFO Manager, and the Manager’s approval obtained, before the project or activity is initiated.

2. RESPONSIBILITIES.
   a. **Manager, NNSA/NFO.** Approves or disapproves the PRT’s screening and location recommendation before project/operation mobilization.
   b. **AMSO.**
      (1) Ensures the M&O Contractor’s screening and location recommendation is reviewed by the PRT.
      (2) Serves as Chairperson of the PRT.
      (3) Concurs in mission compatibility, the screening and siting process, and the exemption criteria related to the approval and decision process.
      (4) Forwards the PRT recommendations to the NNSA/NFO Manager for approval action.
   c. **PRT.** Reviews the M&O Contractor’s screening and siting recommendation, approves or disapproves the M&O’s recommendation, and forwards the approved recommendation to the NNSA/NFO Manager for signature.
The PRT consists of the following individuals:

- AMSO as Chairperson
- Assistant Manager for Environmental Management (AMEM), Assistant Manager for National Security (AMNS), Assistant Manager for Safety and Security (AMSS), and Assistant Manager for Business and Contract Management (AMBCM) as members
- U.S. Air Force Liaison Officer (USAFLO) as Ex-Officio member
- Other organizations as determined by the Chairperson

Nevada Enterprise (NvE) members are also invited to PRT meetings.

d. **NNSA/NFO Personnel.** When managing or overseeing NNSA/NFO projects, ensure project personnel are cognizant of the CRD for this Order and, if applicable, the CRD is set forth in a contract or agreement.
CONTRACTOR REQUIREMENTS DOCUMENT

PROJECT SCREENING AND SITING

NNSA/NFO Contractors and National Laboratories or organizations sponsored by these contractors and laboratories, or other federal agencies performing new project work at the NNSS, must ensure any new projects are screened for compatibility with existing missions, site planning, and use of site resources.

1. REQUIREMENTS.

   a. Each organization must perform the following:

      (1) Bring any new project to the attention of the M&O Contractor so that they can be evaluated and reviewed by the PRT.

      (2) Have their Project Initiator (internal or external to the sponsoring organization) be responsible for providing sufficient project information to the M&O Contractor for pre-PRT evaluation and for participating in PRT meetings.

      (3) Provide a representative to serve on the PRT, at the request of the Chairperson. (A representative of the sponsoring organization may always attend the PRT.)

      (4) Ensure that the new project is reviewed by the M&O Contractor and submitted to the PRT to ensure proposed land/facility/airspace use is consistent and compatible with the NNSA/NFO Mission, existing programs, and Site Plan as well as an appropriate use of the site and its resources.

      (5) Resolve all issues and conditions identified during the project screening and siting review process before beginning project operations.

      (6) Ensure that NNSA/NFO Manager approval has been obtained before project mobilization.

   b. The M&O Contractor must perform the following:

      (1) Prepare and maintain the NvE process related to screening and siting of new projects planned to use land, facilities, or airspace under the purview of the NNSA/NFO. The process includes the review, resolution of comments and concerns, screening and location recommendation(s), and presentation to the PRT for initiating the NNSA/NFO approval process.
(2) The M&O Proposal Coordinator must serve as the point of contact (POC) between sponsoring organizations, users, and the PRT; provide sponsoring organization with a copy of recommendations in advance of the PRT; and prepare documentation related to PRT decisions.
APPENDIX B

AIRSPACE AND GROUND ACCESS AND AREA CONTROL

This appendix addresses requirements and supplemental Federal responsibilities for airspace and ground access and control. The information provided here and in the CRD has been compiled from current operating requirements and practices. The requirements are designed to provide information necessary to plan, schedule, and operate the NNSS to ensure coordination and deconfliction of projects and activities, ensuring mission accomplishment and user success while providing security and protection of workers and resources of users at the NNSS.

1. REQUIREMENTS.

a. Access and Area Control.

   (1) All personnel who plan to enter the NNSS will have completed the NNSS Access Safety Training within the last 36 months or will be escorted.

   (2) All operations and activities must have an NNSA/NFO sponsor to ensure access to NNSS ground and airspace resources.

   (3) All personnel conducting operations and activities external to fixed facilities (i.e., ground/field activities) in NNSS Controlled Access Areas will coordinate with the OCC (295-4015) before initiating operations.

   (4) Personnel traveling away from primary access roads, in remote areas, or in open spaces on the NNSS (off-road) will carry the following:

      (a) A radio programmed with the OCC talk group.

      (b) A fire extinguisher.

      (c) Potable water.

      (d) An approved first-aid kit.

      (e) A shovel.

      NOTE: Arrangements for these items may be made with M&O Fleet Services (295-6710) for fleet vehicles.

   (5) Personnel working in such areas and having access to the items listed above will:

      (a) Not work alone.
(b) Ensure a minimum of two individuals in the work party are currently trained in first aid and cardiopulmonary resuscitation.

(6) All personnel will honor all NNSS barricades, and are prohibited from tampering with or installing locks on barricades without express permission from the OCC.

(7) Lead organizations (i.e., Primary REOP Holder, Work Package Supervisor, or manager responsible for the performance of work) conducting operations at NNSS must ensure that personnel accountability information is available to the OCC during operations via a REOP, work control document, or a work supervision/project manager POC, who can be contacted via email or telephone.

(8) Organizations/personnel accessing Desert Rock Airport (DRA) will coordinate with the DRA Facility Manager and notify the OCC before entering and upon exiting the facility.

b. Ground and Air Events.

(1) Organizations flying manned or unmanned aircraft in NNSS airspace will perform the following:

(a) Coordinate with the OCC at least 60 days before flight operations begin.

(b) Adhere to permanent ground/airspace restrictions (see Attachment 2).

(c) Adhere to temporary ground/air restrictions available from the OCC (295-4015).

(d) Obtain an aircrew briefing before operations begin.

(2) Before starting operations, the lead organization is responsible for additional ground and airspace requirements, as follows:

(a) Work performed in remote areas on the NNSS must be coordinated with the OCC for permission to enter the area.

(b) Aerial imagery operations on the NNSS will coordinate with the NNSA/NFO Nevada Intelligence Center (295-0911) to ensure deconfliction.
(c) Activities impacting spectrum operations on the NNSS and the Nevada Test and Training Range (NTTR) will coordinate with the Nevada Spectrum Management Office, Authority Having Jurisdiction (AHJ) (295-4766).

(d) Ordnance/explosive/unexploded ordnance (UXO) operations on the NNSS will coordinate with the contractor Explosives Safety AHJ (295-1562).

(e) Laser operations on the NNSS will coordinate with the M&O Industrial Hygiene Department (295-5609) to ensure deconfliction.

(f) Operations involving foreign nationals in NNSS ground/airspace must obtain access/security approval from the AMSS (295-1174).

(g) Operations launching weather balloons or similar aerial devices in NNSS airspace must coordinate with the OCC at least 24 hours in advance.

2. RESPONSIBILITIES.

a. **Assistant Managers.** Ensure that personnel accountability information for those facilities under their control is available to the OCC as required in times of emergency.

b. **AMSO.** Provides oversight to the M&O Contractor concerning OCC operations.

c. **AMSS.**

(1) Provides oversight of the M&O Contractor concerning aviation safety.

(2) Maintains and distributes the NNSA/NFO Controlled and Prohibited Articles Policy. (Refer to the following link for the current policy [http://nvhome/amss/Shared%20Documents/2011%20Controlled%20and%20Prohibited%20Articles%20Policy.pdf](http://nvhome/amss/Shared%20Documents/2011%20Controlled%20and%20Prohibited%20Articles%20Policy.pdf).)

d. **NNSA/NFO Personnel.**

(1) Coordinate access with OCC before conducting field or aviation activities, entering NNSS Controlled Access Areas, or entering the NTTR via the NNSS.

(2) When managing or overseeing NNSA/NFO projects, ensure project personnel are cognizant of the CRD for this Order and, if applicable, the CRD is set forth in a contract or agreement.
CONTRACTOR REQUIREMENTS DOCUMENT

AIRSPACE AND GROUND ACCESS AND CONTROL

All contractors and Laboratories accessing, performing work, or conducting airspace or ground operations or activities at the NNSS must comply with the requirements of this CRD. The requirements are designed to provide information necessary to plan, schedule, and operate the NNSS to ensure coordination and deconfliction of projects and activities.

1. REQUIREMENTS

a. All personnel who plan to enter the NNSS must have completed the NNSS Access Safety Training within the last 36 months or must be escorted.

   (1) All contractors and National Laboratories must ensure maintenance of accessible and auditable records of such NNSS Access Safety Training for their personnel entering the NNSS.

   (2) Lead organizations (i.e., Primary REOP Holder, Work Package Supervisor, or manager responsible for the performance of work) conducting operations at NNSS must ensure that assigned personnel have completed and are current on the NNSS Access Safety Training.

   (3) Vendors and delivery personnel with infrequent or one-time-only access and escorted workers on site are exempt from the NNSS Access Safety Training requirement, but will receive an NNSS Access Safety brochure from their prime contractor or sponsoring organization.

b. All personnel conducting operations and activities external to fixed facilities (i.e., field activities) in NNSS Controlled Access Areas must notify and coordinate with the OCC (295-4015) before initiating operations. In addition, the following applies:

   (1) Personnel traveling away from primary access roads, in remote areas, or in open spaces on the NNSS (off-road) must carry the following items:

      (a) A radio programmed with the OCC talk group.

      (b) A fire extinguisher.

      (c) Potable water.

      (d) An approved first-aid kit.

      (e) A shovel.
NOTE: Arrangements for the items listed above may be made with M&O Fleet Services (295-6710) for fleet vehicles.

(2) Personnel working in such areas and having access to the items listed above must:

(a) Not work alone.

(b) Ensure a minimum of two individuals in the work party are currently trained in first aid and cardiopulmonary resuscitation.

c. All personnel must honor all NNSS barricades and are prohibited from tampering with or installing locks on any barricade without express permission from the OCC.

d. Lead organizations (i.e., Primary REOP Holder, Work Package Supervisor, or manager responsible for the performance of work) conducting operations at NNSS must ensure that personnel accountability information is available to the OCC during operations via a REOP, work control document, or a work supervision/project manager POC who can be contacted via email or telephone.

e. All operations conducting activities in remote areas on the NNSS must coordinate with the OCC for permission to enter the area before operations begin.

f. All operations and activities accessing DRA must coordinate with the DRA Facility Manager and notify the OCC before entering and upon exiting the facility.

g. All operations and activities must have an NvE sponsor to coordinate and schedule NNSS ground and airspace access and use with the OCC.

h. All operations and activities must ensure that personnel from their corporate organization adhere to the current Controlled and Prohibited Articles Policy while working on or visiting the NNSS or the NLVF:


A copy of the policy may also be obtained by contacting the AMSS (295-1324).

i. All operations and activities involving military munitions on NNSS training and testing areas must coordinate access and area control with the OCC.
j. All operations and activities must ensure that personnel who enter the NTTR via the NNSS perform the following:

   (1) Coordinate that activity with OCC.

   (2) Have a functional NNSS radio with them.

   (3) Maintain radio contact with the OCC at all times.

k. All operations and activities must notify the OCC when personnel encounter suspected UXO on the NNSS, and must ensure that personnel perform the following:

   (1) Do not approach, touch, move, or disturb the suspect UXO.

   (2) Warn others in the area.

   (3) Immediately contact the OCC with a description and location of the UXO.

l. All operations and activities conducting or impacting spectrum operations (e.g., radio frequencies) on the NNSS and/or the NTTR must coordinate with the Nevada Spectrum Management Office AHJ (295-4766).

m. All operations and activities conducting ordnance, explosive, or UXO operations on the NNSS must coordinate with the contractor Explosives Safety AHJ (295-1562) before beginning operations.

n. All operations and activities conducting laser operations on the NNSS must coordinate with the M&O Industrial Hygiene Department (295-5609) before beginning operations.

o. All operations and activities must obtain NNSA/NFO approval for the access of all foreign nationals in NNSS airspace or ground space from the NNSA/NFO AMSS (596-9204) before beginning operations.

p. Organizations launching weather balloons or similar aerial device in NNSS airspace must coordinate with the OCC at least 24 hours before beginning operations.

q. Organizations/personnel flying manned or unmanned aircraft NNSS airspace must perform the following:

   (1) Coordinate with the OCC at least 60 days before beginning flight operations.

   (2) Adhere to all permanent ground/airspace restrictions (see Attachment 2).
(3) Adhere to all temporary ground/air restrictions (available from the OCC).

(4) Obtain an aircrew briefing before operations begin.

(5) Complete an M&O Form FRM-2087 to ensure project scheduling and deconfliction.

r. All airspace operations and activities must coordinate with Aviation Safety, the Facility Manager, and the OCC before using NNSS airstrips and helipads.

s. All airspace operations and activities requesting deviations from established NNSS airspace requirements and restrictions must receive approval from the AMSO (295-3424).

t. All requests for operations and activities using aircraft ordnance larger than small arms must be reviewed by the M&O Aviation Safety Program Administrator (295-1235) and approved by NNSA/NFO.

u. All operations and activities conducting aerial imagery operations on the NNSS must coordinate operations by contacting the NNSA/NFO Nevada Intelligence Center (295-0911) before beginning operations.

v. The M&O Contractor must perform the following:

(1) Operate and maintain the OCC.

   (a) Establish and maintain NNSS access and area control and operations notifications responsibilities.

   (b) Provide trained and qualified personnel to staff the NNSS OCC on a continuous basis (24/7).

   (c) Ensure scheduling and deconfliction of all air and ground operations on the NNSS.

   (d) Coordinate, adhere to, and maintain NNSS MOUs, MOAs, and Letters of Agreement.

   (e) Coordinate and provide Aviation and All Hazards Maps to the NvE community.

   (f) Coordinate 911 Fire Dispatch.

   (g) Coordinate NNSS security with the Prime Contractor for security services.
(h) Provide air/ground operations support (AGOS).

(i) Ensure scheduling priorities are adhered to as established by U.S. Department of Defense Air Force Instruction AFI 13-212.

(j) Ensure that NNSA/NFO retains the highest priority in R-4808 B/C/D/E airspace.

(k) Schedule and grant airspace and ground access within established airspace and surface restrictions (see Attachment 2) on the NNSS.

(l) Coordinate the establishment of temporary restrictions to support the unique needs of specific customers.

(m) Obtain NNSA/NFO approval to preempt scheduled airspace activities because of emergencies, priorities, or government requirements.

(n) Coordinate and monitor R-4808 B/C/D/E airspace for air traffic use, operations, and intrusions.

(o) Coordinate facility overflight information with the facility manager as appropriate (e.g., Device Assembly Facility [DAF]).

(p) Notify NNSA/NFO of airspace intrusions, deviations, and Visual Flight Rules (VFR) intruders.

(q) Ensure that all NNSA/NFO missions flying in R-4808 B/C/D/E and NTTR airspace receive aircrew briefings from AGOS before entering NNSA/NTTR restricted airspace.

**NOTE:** USAF/Nellis Air Force Base (AFB) aircrews do not require AGOS aircrew briefings unless requested.

(r) Coordinate Open Skies Verification Treaty activities, and notify NNSA/NFO of such activities.

(s) Coordinate Flight for Life Operations during 911/emergency response requiring flight operations to the NNSS.

(t) Coordinate NNSS spectrum (e.g., radio frequency) management.

(u) Coordinate ordnance and explosive operations on the NNSS.

(v) Coordinate laser operations on the NNSS.
(2) Develop and maintain an integrated NNSS Access Safety Training and associated brochure that consolidates safety, security, area access, and area control requirements with NvE input and review.

(3) Manage the “Charlie” barricades on the NNSS.

(a) Placement or removal of barricades other than those under the direct control of NNSS facilities or security barricades under control of the Prime Contractor for Security Services is the sole responsibility of OCC personnel.

(b) Organizations/personnel conducting activities involving military munitions on the NNSS must establish and control training and testing area barricades for the duration of their operations and coordinate the location of these barriers with the OCC.

(4) Clearly post and maintain pole phones on the NNSS to function as emergency reporting instruments.
PERMANENT AIRSPACE AND GROUND RESTRICTIONS

- Aircrews are prohibited from dropping chaff and flares, or from overflying R-4808 with hung ordnance. Aircrew carrying externally loaded ordnance (live, inert, or training) will ensure that the Master Arm switch is in the SAFE position to preclude inadvertent release. Aircrew carrying internally loaded ordnance will not open bomb bay doors in R-4808N.

- Aircrews may be authorized to employ lasers or drop ordnance by coordination and approval by the AMSO. The requestor submits the request on an FRM-2087. AGOS confers with AMSO, who will evaluate impacts to safety of other projects, then approves or disapproves the use of areal lasers.

- Foreign national aircraft/aircrews are prohibited from overflying R-4808 without written approval from AMSS. AMSO then coordinates overflights with other projects as required.

- Transit requests across R-4808 must be coordinated through the NTTR/ Director of Operations Office of Scheduling (DOOS), Blackjack (real-time or less than 48 hours before), and approved by the OCC.

- The R-4808D Gomer Triangle may be coordinated and scheduled above 2,500 feet (ft) Above Ground Level (AGL) for Large Force Exercises.

- Aircrews may be authorized to fly supersonic by coordination with NTTR/DOOS and approval by AMSO in accordance with agreement with Nellis AFB.

- Altitudes: 2,500 ft AGL and above (fixed wing); 500 ft AGL and above (rotary wing).

- LIMITED MANEUVERING ONLY authorized over R-4808

- The following table lists the No Fly Areas

<table>
<thead>
<tr>
<th>NNSS Location</th>
<th>Restriction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A23 (WSI)</td>
<td>CFA</td>
<td>When within 1NM of N36,39'41&quot;/W116,00'45&quot; remain above 6,000 ft MSL.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GPS: N 36, 39.683/W 116, 00.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Decimal: N 36.66138/W 116.0125</td>
</tr>
<tr>
<td>A5 (R-4808C)</td>
<td>NPTEC</td>
<td>When within 1NM of N36,48'09&quot;/W115,57'17&quot; remain above 4,600 ft MSL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GPS: N 36, 48.15/W 115, 57.283</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Decimal: N 36.8025/W 115.95472</td>
</tr>
</tbody>
</table>
### Table 1. No Fly Zones (continued)

<table>
<thead>
<tr>
<th>NNSS Location</th>
<th>Restriction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5 (R-4808C)</td>
<td>RWMC</td>
<td>When within 1NM of N36,51'32.22&quot;/W115,57'17.54&quot; remain above 4,817 ft MSL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GPS: N 36, 51.537/W 115, 57.292</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Decimal: N 36.85895/W 115.95487</td>
</tr>
<tr>
<td>A6 (R-4808C)</td>
<td>DAF</td>
<td>When within 1.25NM of N36,53'53.86&quot;/W116,02'53.29&quot; remain above 14,000 ft MSL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GPS: N 36, 53.897/W 116, 02.888</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Decimal: N 36.89829/W 116.04813</td>
</tr>
</tbody>
</table>

NOTE: CFA = Controlled Firing Area; GPS = Global Positioning System; MSL = Mean Sea Level; NM = nautical mile; NPTEC = Nonproliferation Test and Evaluation Complex; RWMC = Radioactive Waste Management Complex.

- Hand-held camera photographs will not be taken. However, aircraft mounted heads-up display (HUD) cameras and recorders are permitted. All recorded images are subject to review.

- Aircraft must have an operational transponder to include mode C. Missions flown with Identification Friend or Foe (IFF-OFF) are prohibited without prior coordination and authorization from AMSO.

- Aircraft must have Lights-On. Lights Out missions are prohibited without prior coordination and authorization in accordance with the Lights-Out Training Operations Letter of Agreement between AMSO and Nellis AFB.

- Air refueling missions are prohibited.

- Ground targeting of sites, radar or otherwise, is prohibited.

The following reference materials are used for establishing minimum surface danger zone (SDZ) distances on the NNSS when using small arms and/or explosives:


- U.S. Army Field Manual - FM5-250, *Explosives and Demolitions Manual*. The minimum safe distance for non-essential personnel from operations involving explosive munitions or demolitions must be 1,250 ft, in accordance with the following documents:
**Minimum SDZ distance requirements for small arms** must be added to the elevation of the highest potential firing point within the training area to restrict airspace appropriately. The sum of calculations is to be scheduled during the planning phase of activities and verified by the Officer-in-Charge/Airman-in-Charge (OIC/AIC) and the OCC on the day of training when establishing communications. This is the responsibility of the M&O Contractor and will be accomplished before the sponsor arrives for project execution. (See Table 2 of this attachment, or contact the OCC at 295-4015.)

**AUS Corridor Reference Maps** identify corridors for transit of UAs through or test in NNSS airspace (4808N). Contact the OCC (295-4015) for access to these maps. There are seven corridors and two training areas designated for UAS activities. In order to activate any of these corridors, the UAS operations must submit a request to schedule them, via email, to the NNSA and the DOE. Deviation from the corridor is not authorized without coordination with the OCC (295-4015).
Table 2. Minimum SDZ Distance Requirements for Small Arms

<table>
<thead>
<tr>
<th>Weapon/Caliber</th>
<th>Ammunition</th>
<th>Minimum SDZ Length Meters (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handgun, 9mm pistol</td>
<td>M882</td>
<td>1840 (6036)</td>
</tr>
<tr>
<td>Submachine gun, 9mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handgun, 9mm pistol</td>
<td>Frangible, lead-free, Winchester</td>
<td>1375 (4511)</td>
</tr>
<tr>
<td>Handgun, .44 magnum</td>
<td>Commercial local purchase</td>
<td>2290 (7513)</td>
</tr>
<tr>
<td>Shotgun, 12 gauge</td>
<td>00 buckshot</td>
<td>600 (1968)</td>
</tr>
<tr>
<td>Rifle, 5.56mm</td>
<td>Ball M193; tracer M196</td>
<td>3100 (10,170)</td>
</tr>
<tr>
<td>Rifle, 5.56mm</td>
<td>Ball M855; tracer M856</td>
<td>3600 (11,811)</td>
</tr>
<tr>
<td>Rifle, 5.56mm</td>
<td>M862 (plastic)</td>
<td>250 (820)</td>
</tr>
<tr>
<td>Rifle, 5.56mm</td>
<td>Frangible, lead-free, Federal Cartridge</td>
<td>2750 (9022)</td>
</tr>
<tr>
<td></td>
<td>BC556NT1, PSPCL</td>
<td></td>
</tr>
<tr>
<td>Rifle/machine gun, 7.62mm</td>
<td>Ball M80; tracer M81</td>
<td>4300 (14,107)</td>
</tr>
<tr>
<td>Rifle/machine gun, 7.62mm</td>
<td>Match, M118</td>
<td>4800 (15,748)</td>
</tr>
<tr>
<td>Machine gun, .50 caliber</td>
<td>Ball M2 and M33/tracer M17/M8 API/M20 APIT</td>
<td>6700 (21,981)</td>
</tr>
<tr>
<td>M79, M203, 40mm low-velocity</td>
<td>M781/M407A1/M406/M433/M381/M386/M441</td>
<td>500 (1640)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100* (328*)</td>
</tr>
<tr>
<td>MK-19, 40mm high-velocity</td>
<td>M918/M383/M430</td>
<td>2650 (8694)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>350* (1148*)</td>
</tr>
<tr>
<td>M72 LAW, 35mm sub-caliber</td>
<td>M73</td>
<td>1300 (4265)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100* (328*)</td>
</tr>
<tr>
<td>M72 LAW, 66mm RKT HEAT</td>
<td>M72</td>
<td>1250 (4101)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250* (820*)</td>
</tr>
<tr>
<td>AT-4, 84mm RKT HEAT</td>
<td>M136</td>
<td>2600 (8530)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200* (656*)</td>
</tr>
</tbody>
</table>

*Additional standoff distance that must be added to minimum SDZ length to allow for EOD make-safe procedure.
<table>
<thead>
<tr>
<th>Weapon/Caliber</th>
<th>Ammunition</th>
<th>Maximum Ordinate of Ammunition at 30° VDZ Meters (Feet)</th>
<th>Safety Factor Meters (Feet)</th>
<th>VDZ Height in Meters (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.22 long rifle</td>
<td></td>
<td>500 (1640)</td>
<td>175 (575)</td>
<td>675 (2215)</td>
</tr>
<tr>
<td>Handgun, .38 cal.</td>
<td>Ball, M41, PGU-12/B</td>
<td>500 (1640)</td>
<td>175 (575)</td>
<td>675 (2215)</td>
</tr>
<tr>
<td>Handgun, .45 cal. pistol</td>
<td></td>
<td>400 (1312)</td>
<td>160 (525)</td>
<td>560 (1837)</td>
</tr>
<tr>
<td>Submachine gun, .45 cal.</td>
<td></td>
<td>400 (1312)</td>
<td>160 (525)</td>
<td>560 (1837)</td>
</tr>
<tr>
<td>Handgun, .357 magnum</td>
<td></td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Handgun, 9mm pistol</td>
<td></td>
<td>500 (1640)</td>
<td>175 (575)</td>
<td>675 (2215)</td>
</tr>
<tr>
<td>Submachine gun, 9mm</td>
<td></td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Handgun, .44 magnum</td>
<td></td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Shotgun, 12 gauge</td>
<td>00 buckshot</td>
<td>200 (656)</td>
<td>130 (427)</td>
<td>330 (1083)</td>
</tr>
<tr>
<td>Rifle/machine gun, .30 caliber</td>
<td>Ball and M21</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Carbine, .30 caliber</td>
<td></td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Rifle, 5.56mm</td>
<td>Ball, M193; tracer, M196</td>
<td>800 (2625)</td>
<td>220 (722)</td>
<td>1020 (3347)</td>
</tr>
</tbody>
</table>
Table 2. Minimum SDZ Distance Requirements for Small Arms (continued)

<table>
<thead>
<tr>
<th>Weapon/Caliber</th>
<th>Ammunition</th>
<th>Maximum Ordinate of Ammunition at 30° VDZ Meters (Feet)</th>
<th>Safety Factor Meters (Feet)</th>
<th>VDZ Height in Meters (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rifle, 5.56mm</td>
<td>Ball M855, tracer, M856</td>
<td>900 (2953)</td>
<td>220 (722)</td>
<td>1120 (3675)</td>
</tr>
<tr>
<td>Rifle, 5.56mm</td>
<td>M862</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Rifle/machine gun, 7.62mm</td>
<td>Ball, M80</td>
<td>1100 (3609)</td>
<td>265 (860)</td>
<td>1365 (4478)</td>
</tr>
<tr>
<td>Rifle/machine gun, 7.62mm</td>
<td>Match, M118</td>
<td>1200 (3937)</td>
<td>280 (919)</td>
<td>1480 (4856)</td>
</tr>
<tr>
<td>Machine gun, .50 cal.</td>
<td>Ball, M2 and M33/Tracer M17/M8 API/M20 APIT</td>
<td>1600 (5248)</td>
<td>340 (1115)</td>
<td>1940 (6365)</td>
</tr>
<tr>
<td>M79 and M203, 40mm low-velocity</td>
<td>M781/M407A1/M406/M433/M381/M396/M441</td>
<td>100 (328)</td>
<td>115 (377)</td>
<td>215 (705)</td>
</tr>
<tr>
<td>MK-19, 40mm high-velocity</td>
<td>M918/280M383/M430</td>
<td>500 (1640)</td>
<td>175 (575)</td>
<td>675 (2215)</td>
</tr>
<tr>
<td>M72 LAW, 35mm subcaliber</td>
<td>M73</td>
<td>300 (984)</td>
<td>145 (475)</td>
<td>445 (1460)</td>
</tr>
<tr>
<td>M72 Law, 66mm RKT HEAT</td>
<td>M72, 66 mm RKT HEAT</td>
<td>200 (656)</td>
<td>280 (919)</td>
<td>480 (1575)</td>
</tr>
<tr>
<td>AT4, 84mm RKT HEAT</td>
<td>M136</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

NOTE: VDZ = Vertical Danger Zone; TBD = To Be Determined.
NEVADA NATIONAL SECURITY SITE CONTROLLED ACCESS AREA

The meets and bounds of the NNSS Controlled Access Areas are as follows:

All areas bounded by the NNSS north of a line from the west border of the NNSS at 36° 47' 15.16"N, 116° 26' 51.07"W; east to 36° 47' 14.77"N, 116° 23' 43.24"W; north to 36° 50' 58.34"N, 116° 23' 42.45"W; east to 36° 50' 56.17"N, 116° 12' 02.91"W; north to 36° 52' 41.94"N, 116° 12' 02.27"W; east to 36° 52' 41.08"N, 116° 09' 16.84"W; north to 37° 09' 59.10"N, 116° 09' 11.99"W; west to 37° 09' 59.90"N, 116° 11' 06.26"W; north to 37° 12' 36.81"N, 116° 11' 04.67"W; east to 37° 12' 36.71"N, 116° 09' 45.81"W; north to 37° 13' 52.52"N, 116° 09' 44.97"W; east to 37° 13' 51.36"N, 116° 07' 04.63"W; south to 37° 12' 24.33"N, 116° 07' 05.25"W; east to 37° 12' 23.66"N, 116° 04' 44.89"W; north to 37° 14' 32.54"N, 116° 04' 43.89"W; east to 37° 14' 31.70"N, 116° 02' 02.22"W; south to 37° 13' 15.70"N, 116° 02' 02.86"W; east to 37° 13' 15.51"N, 116° 01' 27.72"W; south to 37° 11' 31.86"N, 116° 01' 28.60"W; east to 37° 11' 31.77"N, 116° 01' 12.08"W; south to 37° 07' 55.99"N, 116° 01' 13.91"W; east to 37° 07' 55.79"N, 116° 00' 36.32"W; south to 37° 07' 04.23"N, 116° 00' 36.77"W; east to 37° 07' 03.87"N, 115° 59' 32.01"W; south to 37° 06' 11.93"N, 115° 59' 32.47"W; east to 37° 06' 11.55"N, 115° 58' 26.28"W; south to 37° 02' 42.71"N, 115° 58' 28.18"W; east to 37° 02' 41.61"N, 115° 55' 43.75"W; terminating at the eastern border of the NNSS.

The following map shows the NNSS Controlled Access Area.
APPENDIX C

LIGHTNING AND HAZARDOUS WEATHER

This appendix addresses requirements and supplemental Federal responsibilities for lightning and hazardous weather. The information provided here and in the CRD is intended to protect workers and resources from weather-related hazards created by hazardous weather (e.g., lightning and accidental explosives detonation) found at the NNSS.

1. REQUIREMENTS. Each Federal organization or user at the NNSS will comply with the NNSA/NFO Consolidated Emergency Management Plan (CEMP) (NSO-EOC-PLN-101).

2. RESPONSIBILITIES.
   a. **AMSO.**
      (1) Provides oversight of the M&O Contractor for maintaining the capability to provide a site-wide Hazardous Weather Notifications List (HWNL).
      (2) Provides oversight of the M&O Contractor for maintaining the HWNL, and for providing live-voice notification for facilities and project activities included on the HWNL.
   b. **AMNS.** Provides oversight of Air Resources Laboratory/Special Operations and Research Division (ARL/SORD) for maintaining a hazardous weather prediction capability and lightning detection capabilities, providing weather forecasts, and notifying the OCC of hazardous weather conditions to include the following:
      (1) Monitoring techniques and accuracy.
      (2) Detection threshold capabilities.
      (3) Notification criteria and timelines.
   c. **NNSA/NFO Personnel.** When managing or overseeing NNSA/NFO projects, ensure project personnel are cognizant of the CRD for this Order and, if applicable, the CRD is set forth in a contract or agreement.
CONTRACTOR REQUIREMENTS DOCUMENT

LIGHTNING AND HAZARDOUS WEATHER

All contractors and Laboratories at the NNSS must comply with the requirements of this CRD. The requirements are intended to protect workers, operations, and equipment from weather-related hazards including lightning and other hazardous weather conditions.

1. REQUIREMENTS.

a. Each organization must perform the following:

(1) Identify their facilities and activities that meet the criteria in Section b.(3) below for inclusion on the HWNL.

(2) Submit a list of those facilities, project activities, and key personnel (POCs) that need to be included on the HWNL to the OCC.

(3) Establish notification procedures specific to their facilities and project activities identified on the HWNL that include the following:

   (a) A lightning proximity-threshold boundary of a minimum of 10 miles to allow sufficient time to halt work and to place personnel and vulnerable assets or assemblies in a lightning-safe configuration.

   (b) A process for OCC live-voice notification of the facility manager, test director, or designee of lightning within the established lightning proximity threshold.

   (c) Requirements to verify current and forecast weather conditions with ARL/SORD before beginning facility or project activities that could be unacceptably impacted by potential weather hazards.

   (d) Provisions and controls for notifying personnel of a weather hazard or lightning alert.

   (e) Provisions and controls that place personnel, vulnerable assets, and/or assemblies in a lightning-safe configuration.

   (f) Specific criteria for terminating a hazardous weather advisory or lightning alert.

   (g) Hazardous weather procedures, established by Facility Managers/Project Managers, that are specific to their facilities and
project activities identified on the ARL/SORD HWNL, which includes the following:

1. Requirements to verify current and forecast weather conditions with ARL/SORD before beginning facility or project activities that could be unacceptably impacted by potential weather hazards.

2. Lines of communication for site-wide notification of the predicted or observed weather hazard.

b. The M&O Contractor must perform the following:

(1) Coordinate the annual update of the HWNL with ARL/SORD.

(2) Provide site-wide Hazardous Weather Notifications through the OCC when notified of hazardous weather conditions by ARL/SORD.

(3) Maintain an HWNL in the OCC that identifies specific facilities and project activities meeting any of the following criteria:

   (a) Facilities or activities that involve the handling of energetic materials.

   (b) Hazardous Categories 2 and 3 nonreactor nuclear facilities.

   (c) Facilities or activities where personnel may (routinely) be exposed to lightning or hazardous weather conditions during the normal course of their duties.

   (d) Activities requiring continuous lightning detection (24/7)

c. ARL/SORD must perform the following:

(1) Maintain the capability to provide NNSS weather forecasts.

(2) Maintain the capability to predict and detect lightning and hazardous weather conditions within 20 miles of the NNSS boundary.

(3) Notify the OCC when lightning or hazardous weather is observed or predicted to occur on the NNSS based on the following conditions and alert levels:

   (a) Fire Weather/Red Flag Warning. Issue when extreme burning conditions are expected within the next 24 hours. These conditions are sustained surface winds of at least 15 miles per hour (mph),
relative humidity less than 25 percent, and temperatures above 75 degrees Fahrenheit (°F).

(b) **Flash Flood Warning.** Issue when flash flooding is imminent or occurring in a given area.

(c) **Flash Flood Watch.** Issue when current and developing weather conditions have a potential to produce flash flooding in a given area.

(d) **Heat Advisory.** Issue when the Heat Index is expected to exceed 104°F, with a minimum nighttime temperature of 80°F.

(e) **High Wind Watch/Warning.** Issue when sustained surface winds are expected or observed to be 40 mph or more with surface wind gusts to at least 58 mph (50 knots).

(f) **Lightning Alert.** Issue whenever the ARL/SORD lightning detection network detects cloud-to-ground lightning within 20 miles of the NNSS boundary.

(g) **Severe Thunderstorm Warning.** Issue when a thunderstorm is accompanied by surface winds of 58 mph (50 knots) or more or hail three-fourths inch in diameter or more at the surface.

(h) **Strong Wind Advisory.** Issue when sustained surface winds are expected or observed to be 30 mph or more with surface wind gusts to at least 45 mph.

(i) **Tornado Warning.** Issue whenever a tornado or funnel cloud is observed.

(j) **Winter Storm Warning.** Issue whenever hazardous or significant winter weather is occurring or imminent, or has a high probability of occurrence, such as snowfall of 4 to 6 inches or more in 12 hours or less with temperatures below 30°F, or wind chills of −20°F or colder.

(4) Maintain the capability to provide specialized weather forecasts for facilities and project activities as requested.

(5) Maintain the HWNL, updating it as required and notifying the M&O Contractor of any change.
APPENDIX D

EMERGENCY MANAGEMENT

This appendix addresses requirements and supplemental Federal responsibilities for Emergency Management programs and emergency preparedness. The information provided here and in the CRD is intended to ensure adequacy of emergency program planning and readiness ensuring effective response to emergencies at the NNSS.

1. REQUIREMENTS. Each Federal organization or user at the NNSS will comply with the NNSA/NFO CEMP (NSO-EOC-PLN-101).

2. RESPONSIBILITIES.

   a. Manager, NNSA/NFO.
      
      (1) Approves the NNSA/NFO Consolidated Emergency Readiness Assurance Plan (ERAP), and submits it to NA-40.
      
      (2) Designates the Senior Federal Officials, Facility Representatives, and Public Affairs Official to ERO personnel.

   b. AMSO.
      
      (1) Approves the NNSA/NFO CEMP, and forwards it to the Office of Associate Administrator, the Office of Infrastructure and Operations (NA-00), and the Associate Administrator for Emergency Operations (NA-40).
      
      (2) Serves as the programmatic focal point for development, implementation, and maintenance of the Comprehensive Emergency Management System for the NNSA/NFO and the Office of Primary Responsibility for the DOE, NNSA, and this NNSA/NFO directive for emergency management.
      
      (3) Provides technical assistance to NNSA/NFO organizational elements and contractors concerning laws, regulations, and DOE, NNSA, and NNSA/NFO directive system requirements applicable to emergency management systems.
      
      (4) Concurs on the NNSA/NFO ERAP.
      
      (5) Ensures emergency response responsibilities related to NNSA/NFO operations that affect non-DOE/NNSA personnel and sites are appropriately reflected in MOUs/MOAs.
(6) Participates in the planning and coordination of site drills or exercises involving participation by non-contractor, offsite emergency response organizations.

(7) Provides support and technical assistance to the Office of Public Affairs (OPA) in planning emergency public information activities.

(8) Serves as the principal NNSA/NFO POC for the Office of NNSA Emergency Management Implementation.

(9) Serves as the NNSA/NFO member of the Headquarters Emergency Management Advisory Committee.

(10) Serves as the POC for the DOE Continuity of Operations Program.

c. AMSS.

(1) Serves as the Office of Primary Responsibility for NNSA/NFO security-related emergencies and incidents.

(2) Ensures processes are developed and implemented for official emergency notification to federal, state, and local law enforcement agencies in the event of a security-related emergency or incident.

(3) Supports the AMSO to ensure adequate security support is provided to the NNSA/NFO EOC, Emergency Management Center (EMC), and OCC.

(4) Develops security-related MOUs, Mutual Support Agreements, and Joint Tactical Response Plans related to NNSA/NFO emergency operations that affect NNSA/NFO security readiness.

(5) Participates in and oversees the planning and coordination of site security drills and exercises.

d. NNSA/NFO Personnel. When managing or overseeing NNSA/NFO projects, ensure project personnel are cognizant of the CRD for this Order and, if applicable, the CRD is set forth in a contract or agreement.
CONTRACTOR REQUIREMENTS DOCUMENT

EMERGENCY MANAGEMENT

The purpose of this CRD is to require adequate emergency program planning and readiness ensuring effective response to emergencies at the NNSS.

1. REQUIREMENTS.

   a. Each organization must perform the following:

      (1) Implement the NNSA/NFO CEMP (NSO-EOC-PLN-101), including the following:

         (a) Ensure that emergency response requirements of Emergency Planning Hazards Surveys (EPHSs), Emergency Planning Hazards Assessments (EPHAs), and Emergency Action Levels for operations are factored into facility/site/activity-specific Emergency Response Plans, emergency management processes, systems, and procedures, and that they comply with the NNSA/NFO CEMP.

         (b) Submit the ERAP input, including any EPHSs and EPHAs, and Emergency Planning Zones to the M&O contractor for compilation in the consolidated ERAP.

         (c) Ensure provision and maintenance of onsite emergency facilities in accordance with requirements established by facility EPHSs, EPHAs, and Facility Emergency plans.

   b. The M&O Contractor must perform the following:

      (1) Provide, manage, and maintain the capability to respond to and mitigate NNSA/NFO emergencies in accordance with the NNSA/NFO CEMP.

      (2) Operate the NNSA/NFO EOC and OCC in accordance with established procedures.

      (3) Coordinate with the AMSS to ensure adequate security support to the EOC and OCC.

      (4) Ensure the operational readiness of the EOC.

      (5) Coordinate the development of the annual consolidated emergency exercise schedule for implementation at the NNSS and NLVF.

      (6) Coordinate the reporting of operational information on a 24-hour basis.
(7) Collect organizational input and develop the consolidated ERAP, and submit it to the AMSO.

(8) Develop and maintain the CEMP, and submit it to the AMSO for review and approval.

(9) Develop and maintain the NNSA/NFO ERO Training and Qualification Program.

(10) Plan and conduct emergency response exercises to test and evaluate the ERO, and prepare and submit after-action reports of these exercises to the AMSO.

c. The Prime Contractor for Security Services must perform the following:

(1) Operate the NNSA/NFO Tactical Operations Center (TOC) in accordance with established procedures.

(2) Ensure operational readiness of the TOC.

(3) Serve as the lead in planning and coordinating site security drills and exercises.
APPENDIX E

HAZARDOUS MATERIALS TRANSPORTATION AND NOTIFICATION

This appendix addresses requirements and supplemental Federal responsibilities for hazardous materials transportation and notification. The information provided here and in the CRD is intended to document and notify appropriate parties concerning onsite transport of hazardous materials on the NNSS to ensure safety, awareness, and emergency response appropriate to hazards of such hazardous material transportation.

1. REQUIREMENTS.

   a. The following hazardous materials transportation information will be managed and notifications made to the NNSS ERO and OCC.

      (1) All transfers of HAZMAT made wholly within the boundaries of the NNSS.

      (2) Segments of inbound and outbound shipments of HAZMAT being transported on the NNSS.

      (3) Shipments of HAZMAT made on public roads from NNSA/NFO facilities to the NNSS.

      (4) Shipments of HAZMAT from offsite locations (such as vendors and carrier facilities) on public roads to the NNSS.

      NOTE: Only unclassified information is to be maintained in a HAZMAT information management system (e.g., Hazardous Materials Tracking System [HAZTRAK]). If the shipment/transfer information cannot be entered for security purposes (such as OST shipments), an alternative reporting process must be in place to ensure the NNSS ERO is aware of the shipment/transfer.

   b. The following shipment types and materials are excepted from the requirement to provide information to NNSS ERO through the HAZMAT information management system or other approved alternative reporting methods:


(3) Inbound shipments of HAZMAT arriving at, and transfers being completed wholly within facilities other than at the NNSS

(4) Movements of HAZMAT made wholly within the boundaries defined by a single facility’s REOP.

2. RESPONSIBILITIES.

a. Manager, NNSA/NFO. Ensures the safe and efficient management of onsite and offsite transportation activities at NNSA/NFO.

b. AMEM.

   (1) Implements the onsite and offsite transportation requirements.

   (2) Responsible as Office of Primary Responsibility to coordinate with various Contracting Officer Representatives as necessary.

c. Transportation Program Manager.

   (1) Oversees the safe, secure, and efficient onsite transportation of HAZMAT and materials of national security interest.

   (2) Reviews tenant-submitted written requests concerning the use of alternative reporting processes.

   (3) Coordinates with the Contracting Officer Representatives to:

      (a) Provide determinations regarding the use of the HAZMAT information management system by contractors, subcontractors, motor carriers, waste generators, vendors, and visitors (tenants).

      (b) Determine whether written requests concerning the use of alternative reporting processes provide an equivalent level of safety as the HAZMAT information management system.

      (c) Provide tenants with written approval for the use of alternative reporting processes, for a period of not more than 12 months, including any limitations on its use.

      (d) Authorize use of the properly completed HAZMAT information management system-generated form, “NNSS Onsite HAZMAT Transfer-Published,” as a shipping document for onsite transfers made wholly on the NNSS.
(4) Reviews tenant-submitted written notifications concerning use of alternative emergency response telephone numbers, and provides pertinent comments to tenant.

(5) Assesses the HAZMAT information management system, as needed, based upon results of operational awareness activities.

(6) Reviews on an biennial basis:
   
   (a) Authorized alternative reporting processes.

   (b) Alternative emergency response telephone numbers.

(7) Reviews planned enhancements to the HAZMAT information management system.

   d. NNSA/NFO Personnel. When managing or overseeing NNSA/NFO projects, ensure project personnel are cognizant of the CRD for this Order and, if applicable, the CRD is set forth in a contract or agreement.
CONTRACTOR REQUIREMENTS DOCUMENT

HAZARDOUS MATERIALS TRANSPORTATION AND NOTIFICATION

Contractors and Laboratories transporting hazardous materials on the NNSS must comply with the requirements of this CRD. The requirements below are designed to provide documentation and notification to appropriate parties concerning information about hazardous materials being transported on the NNSS to ensure safety, awareness, and response to related transportation emergencies at the NNSS.

1. REQUIREMENTS.
   a. Each organization must perform the following:
      (1) Ensure that waste carriers, motor carriers, vendors, and visitors (tenants) working on the NNSS notify the NNSS ERO through the OCC of applicable shipments/transfers of hazardous materials, substances, and wastes before transportation begins. Applicable shipment types and materials include the following:
         (a) All transfers of HAZMAT made wholly within the boundaries of the NNSS.
         (b) Segments of inbound and outbound shipments of HAZMAT transported on the NNSS.
         (c) Shipments of HAZMAT made on public roads from NNSA/NFO facilities to the NNSS.
         (d) Shipments of HAZMAT from offsite locations (such as vendor and carrier facilities) on public roads to the NNSS.
      (2) For each of the shipment types and materials listed in 1.a.(1) above, provide comprehensive emergency response information to the NNSS ERO through entries made in the HAZMAT information management system (e.g., HAZTRAK) or an approved alternative reporting process and either of the following:
         (a) Additional, manually provided documentation.
         (b) A secondary contact available via telephone at all times who can confirm that the shipment/transfer is in transportation.
      (3) When contacted by the NNSS ERO, provide accurate comprehensive emergency response information to the NNSS ERO in a timely manner consistent with U.S. Department of Transportation (DOT) interpretations.
(4) Ensure that employees entering data into the HAZMAT information management system are trained as hazardous materials employees per 49 CFR 172, Subpart H, and are knowledgeable in the use of the system.

(5) Ensure that data entered into the HAZMAT information management system are Unclassified. If hazardous shipment/transfer information cannot be entered into the HAZMAT information management system, an approved alternative reporting process must provide an equivalent level of comprehensive emergency response information as that obtained through the regular system entry and may involve manual or automated methods.

(6) Prepare and submit written notifications of use of alternative emergency response telephone numbers to NNSA/NFO within 7 working days before its initial use. The notification and comment process may be accomplished via email.

(7) If required for security or other purposes, prepare and submit to the NNSA/NFO, for authorization, written requests concerning use of alternative reporting processes, within 7 working days, and receive approval before its initial use. The request and approval process may be accomplished via email.

(8) When other shipping documents are not available, use a properly completed HAZMAT information management system-generated form “NNSS Onsite HAZMAT Transfer- Published” as the shipping document for transfers made wholly on the NNSS.

(9) Enter onsite portions of applicable outbound offsite shipments into the HAZMAT information management system before onsite transportation begins. The entry must remain on system until such time as the shipment exits NNSS.

(10) Ensure the entry of all shipments of applicable HAZMAT being transported onto the NNSS into the HAZMAT information management system before onsite transportation begins. The entry must remain on system until such time as the shipment is delivered to the NNSS.

(11) Ensure the entry of shipments of applicable HAZMAT not consigned to the NNSS (but are transported aboard a vehicle making deliveries/pickups on the NNSS) into the HAZMAT information management system before onsite transportation begins. The entry must remain on the system until such time as the shipment exits the NNSS.
(12) Include the emergency response telephone number provided by the original shipper in the HAZMAT information management system entry for shipment.

(13) Ensure the entry of onsite portions of deliveries of HAZMAT which (after being delivered to the NNSS) have their residues that continue to meet the definition of a hazardous material. For example, a fuel delivery tanker that has delivered its product to the NNSS.

(14) Ensure periodic test/drills are conducted to ensure that the HAZMAT information management system is operational and meets the needs of the individual tenant.

(15) Ensure that HAZMAT information management system-related forms/instructions used by contractors and subcontractors are coordinated and approved by the M&O Contractor system administrator.

(16) Ensure that HAZMAT information management system entries are accurate and complete. Hazardous materials shipping descriptions must be fully DOT-compliant.

b. The M&O Contractor must perform the following:

(1) Provide support for the HAZMAT information management system, to include the following:

   (a) Continuous operation, local/remote user access, and maintenance.

   (b) Process and data administration (including data backup):

      1 Ensure that local and remote user data are easily accessible and complete.

      2 Ensure that all waste carrier names remain current and consistent with the latest DOE/NNSA approved carrier list.

      3 Coordinate with other contractor organizations that provide the HAZMAT information management system forms/instructions to any user to ensure consistent processes.

(2) Design and implement system enhancements (dependent upon available resources).

(3) Alert local and remote users to changes in system availability status as well as changes in the HAZMAT information management system entry process.
(4) Ensure that system documentation (i.e., users guide, including written instructions on how to notify the NNSS ERO when the HAZMAT information management system is unavailable) is made available to local and remote system users at all times.

(5) Provide remote access to the HAZMAT information management system for approved motor carriers, vendors, visitors (tenants), and waste generators.

(6) Provide ad hoc report generation.

(7) Conduct periodic tests/drills to ensure that the NNSS ERO can access the HAZMAT information management system to provide comprehensive emergency response information on specific shipments.

c. The Prime Contractor for Security Services must perform the following:

(1) Ensure all operators of inbound cargo-carrying vehicles declare whether they are transporting HAZMAT. If so, and the driver fails to show the HAZMAT Information Management System “HAZTRAK ENTRY CONFIRMATION” printout, the security personnel must direct the driver to the badge office to obtain the required form.
APPENDIX F

FACILITY AND SITE TOURS

This appendix addresses requirements and supplemental Federal responsibilities for site and programmatic tours of NNSS facilities and areas. The information provided here and in the CRD is intended to document, coordinate and notify appropriate parties concerning public and programmatic tours.

1. REQUIREMENTS.


b. Federal Tour Sponsor must perform the following:

(1) Provide written requests for non-foreign national tours to NFO VCO no fewer than 30 days before the date of the tour, including information on the purpose of the tour; proposed dates; facilities or locations; proposed itineraries; and organizations, groups, or persons participating in the tour.

(2) When foreign nationals are participating in site or programmatic tours, ensure the following:

(a) Coordinate all tours, changes to tour plans, locations, or itineraries with the Director, OPA.

(b) Submit “Request for Foreign National Unclassified Visit or Assignment” with security plans, if required, to AMSS through the M&O Security Office for approval/disapproval.

(c) Provide notification and required paperwork to NFO VCO 6 weeks before the tour date.

(d) Submit the required host “Foreign National Visit Report” to the M&O Security Office by the 15th calendar day after completion of the tour(s) or assignment(s).

(3) Coordinate badging and dosimeter arrangements, including required biographical information, to receive NNSA/NFO security badges and citizenship attestation with NFO VCO no fewer than 10 working days before the tour.

(4) Ensure that tour participant’s access authorization (clearance) is certified by the participant’s security organization to the NFO VCO when the tours
require access to classified matter or information and when visitors have a need-to-know no fewer than 10 working days before the tour.

(5) Provide or arrange for appropriate escorts, ensuring the following:

(a) Tour participants are escorted at all times by appropriately cleared and knowledgeable escorts at security levels commensurate with access requirements for facilities or areas to be toured.

(b) Escorts fulfill escort duties in compliance with security regulations; posted restrictions; barricades; use of optical instruments, photographic and/or recording equipment as authorized and permitted; and are not assigned other duties that would interfere with escort duties until relieved of such duties or duties are appropriately transferred to another qualified escort.

(c) Appropriate numbers of escorts accompany uncleared participants in accordance with NFO VCO information and instruction.

(6) For tours involving youth ages 14 through 18:

(a) Obtain written permission from legal guardians (if guardian will not accompany the youth).

(b) Provide written documentation to NFO VCO.

(c) Approved sites at the NNSS include Mercury, Frenchman Flat, Sedan Crater, Drill Yard, Site of Apple II houses, Bilby Crater, and other locations approved by the Director, OPA.

2. RESPONSIBILITIES.

a. Director, OPA.

(1) Approves/disapproves requests for public tours of NNSA/NFO facilities and the NNSS and provides written notification to sponsoring organizations on the status of tour requests.

(2) Provides guidance to the NNSA/NFO, federal, contractor, and associated agencies, and to other interested parties concerning the NNSA/NFO facility and NNSS tours.

(3) Assigns public affairs officers or designated representative to accompany news media visitors to NNSA/NFO facilities and the NNSS.
b. **AMSO.** Advises the Director, OPA, of changes that must be made to itineraries to ensure there are no conflicts with NNSS operations, activities, other tours, or use of facilities.

c. **AMNS.** Advises the Director, OPA, of changes that must be made to itineraries to ensure operations are not impacted, delayed, or cancelled.

d. **AMEM.** Advises the Director, OPA, of changes that must be made to itineraries to ensure operations are not impacted, delayed, or cancelled.

e. **AMSS.**

   (1) Approves/disapproves and coordinates access into security areas.

   (2) Authorizes NNSA/NFO security badges, and issues/retrieves badges and badge holders through the NFO VCO and the contractor protective force.

   (3) Approves/disapproves requests and specific security plans for foreign national tours, visits, and assignments to the NNSS.

   (4) Approves/disapproves the use of optical instruments, and photographic and recorder equipment within the NNSS forward areas for certain visitors (e.g., news media) with the limitation that such equipment be under strict control of appropriately cleared escorts with NNSA/NFO optical instrument and/or photographer/recorder permits.

   (5) Approves/disapproves requests varying from the specified security requirements for the NNSS.

f. **NNSA/NFO Personnel.** When managing or overseeing NNSA/NFO projects, ensure project personnel are cognizant of the CRD for this Order and, if applicable, the CRD is set forth in a contract or agreement.
CONTRACTOR REQUIREMENTS DOCUMENT

FACILITIES AND SITE TOURS

All contractors, Laboratories, and other user organizations planning and/or conducting tours at the NNSS or NLVF must comply with the requirements of this CRD. The requirements to plan, document, coordinate, and notify appropriate parties concerning public and programmatic tours is intended to ensure well-planned and -conducted public and programmatic tours of NNSA facilities and operations at the NNSS and NLVF with minimal impact to ongoing operations and activities while protecting workers, tour participants, and sensitive government and programmatic resources.

1. REQUIREMENTS.

   a. Each sponsoring organization must perform the following:

      (1) Submit written requests for non-foreign national tours, providing all required information to NFO VCO no fewer than 30 days before proposed visits.

      (2) Provide proposed itineraries with request letters for programmatic tours to ensure there are no conflicts with NNSS operations, activities, other tours, or use of facilities.

      (3) Advise OPA when foreign nationals (cleared or uncleared) are participating in programmatic tours. Foreign national paperwork is required 6 weeks before tour date.

      (4) Provide NFO VCO with the visitor biographical information, not less than 10 working days before scheduled tour, if participants are required to receive NNSA/NFO security badges.

      (5) Advise visitors they must provide identification and attest to their citizenship before being issued an NNSA/NFO security badge, and that photographic identification is preferred.

      (6) Coordinate badging arrangements for programmatic visits for U.S. citizens with the NFO VCO not less than 10 working days before scheduled visit dates.

      (7) Coordinate requests for changes to proposed tours with the NFO VCO at least 24 hours in advance.

      (8) Advise visitors that access authorization (clearance) must be certified to the NFO VCO when the visits require access to classified matter or information and visitors have a need to know.
(9) Coordinate those tours to other areas of the NNSS, NLVF, and RSL that include foreign nationals with OPA in addition to those that include access to areas of the NNSS and NLVF.

(a) Submit the completed “Unclassified Foreign Visits and Assignments Long Format” with security plans, if required, to the AMSS through the M&O Security Office for approval or disapproval for unclassified visits and assignments by foreign nationals.

(b) Submit the “Foreign National Visit Report” to OPA by the 15th calendar day after the completion of tour(s) or assignment(s).

(c) Submit the required host report, “Foreign National Visit Report,” to the M&O Safeguards and Security Office by the 15th calendar day after the completion of visits or assignments.

(d) Obtain written permission from legal guardians (if the guardian will not accompany the youth) for youths age 14 to 18 to tour the NNSS, and provide written documentation to NFO VCO.

(e) When providing escorts, ensure they meet all escort responsibilities as defined in this Order.

(f) Be aware that each organization is responsible for the costs associated with their programmatic tours/visits.

b. The M&O Contractor must provide tour personnel with dosimeters through NFO VCO when required. (Contact Radiological Control at 295-6341.)

c. Escort Requirements.

(1) Visitors will be escorted at the NNSS by appropriately cleared, knowledgeable contractor, laboratory, or NNSA/NFO representatives in accordance with an approved security plan. The escorts will be cleared at security levels commensurate with the requirements for access to the facilities or areas to be toured.

(2) Escorts are responsible for escort duties, including ensuring escorted visitors are prevented from hearing or observing unauthorized classified matter or information, or placing clandestine listening devices in areas where classified discussions occur. Assignment of other duties to individuals serving as escorts is not allowed.

(3) Escorts will comply with security regulations, posted restrictions, security barricades, and similar precautions.
(4) Escorts will ensure that the use of optical instruments and photographic and/or recording equipment has been authorized for tours to the NNSS (even if the escorts possess valid permits) before the equipment is used.

(5) The NFO VCO will ensure that the policy regarding the number of escorts required to accompany uncleared visitors authorized access to the NNSS and provide controls for the tours is communicated to organizations sponsoring tours as follows:

(a) **Escorts for U.S. Citizens – Nonsecurity Areas:** One escort per single vehicle (sedan, van, or bus).

(b) **Escorts for U.S. Citizens – Security Areas:** One escort for up to three visitors.

(c) **Escorts for Foreign Nationals – Nonsecurity Areas:**
   1. One escort for up to 10 individuals and for each additional multiple of 10 individuals from nonsensitive countries.
   2. One escort for up to three individuals and for each additional multiple of three individuals from sensitive countries.

(d) **Escorts for Foreign Nationals – Security Areas:**
   1. One escort for up to three individuals from nonsensitive countries.
   2. Foreign nationals from sensitive countries are not allowed access to security areas in accordance with DOE and NNSA security policies.

(e) **Escorts for Q-Cleared or U.S. Department of Defense Secret/Top Secret-Cleared Individuals:** Those individuals, as identified above, who are participating in tours of NNSA/NFO facilities and the NNSS, will remain under the control of the tour escort.

(6) To aid escorts in maintaining control of visitors, the following is required:

(a) **Tours Requiring Only One Escort.** The escort will ensure the visitor(s) walk in front of, or at the side of, the escort.

(b) **Tours Requiring More Than One Escort.** When two escorts are required, one escort will lead the visitors, and one escort will follow them. If the visitors are accompanied by more than two escorts, the
additional escorts will monitor the visitors from distances within the group to maintain control.

(7) Escorts are relieved of their escort responsibilities within security areas only upon returning the visitors to the security stations and observing their departure from the security areas, or by the proper transfer of responsibility to appropriate escorts.
APPENDIX G

ACRONYMS

AFB  Air Force Base
AGL  Above Ground Level
AGOS Air/Ground Operations Support
AHJ  Authority Having Jurisdiction
AMBCM Assistant Manager for Business and Contract Management
AMEM Assistant Manager for Environmental Management
AMNS Assistant Manager for National Security
AMSO Assistant Manager for Site Operations
AMSS Assistant Manager for Safety and Security
ARL/SORD Air Resources Laboratory/Special Operations and Research Division

CEMP Consolidated Emergency Management Plan
CFA Controlled Firing Area
CFR Code of Federal Regulations
CRD Contractor Requirements Document

DAF Device Assembly Facility
DOE U.S. Department of Energy
DOOS Director of Operations Office of Scheduling (Nellis AFB term)
DOT U.S. Department of Transportation
DRA Desert Rock Airport

EMC Emergency Management Center
EOC Emergency Operations Center
EPHA Emergency Planning Hazards Assessment
EPHS Emergency Planning Hazards Survey
ERAP Emergency Readiness Assurance Plan
ERO Emergency Response Organization

ft  Foot
°F Degrees Fahrenheit

GPS Global Positioning System

HAZMAT Hazardous Materials
HAZTRAK Hazardous Materials Tracking System
HUD Heads-Up Display
HWNL Hazardous Weather Notifications List

IFF-OFF Identification Friend or Foe (aircraft transponder is off)
Appendix G

M&O  Management and Operating
MOA  Memorandum of Agreement
MOU  Memorandum of Understanding
mph  Miles per Hour
MSL  Mean Sea Level

NLVF  North Las Vegas Facilities
NM   Nautical Mile
NNSA  National Nuclear Security Administration
NNSA/NFO  National Nuclear Security Administration Nevada Field Office
NNSS  Nevada National Security Site
NPTEC  Nonproliferation Test and Evaluation Complex
NSTec  National Security Technologies, LLC
NTTR  Nevada Test and Training Range
NvE  Nevada Enterprise

OCC  Operations Coordination Center
OIC/AIC  Officer-in-Charge/Airman-in-Charge
OPA  Office of Public Affairs
OST  Office of Secure Transportation

POC  Point of Contact
PRT  Project Review Team

REOP  Real Estate/Operations Permit
RSL  Remote Sensing Laboratory
RWMC  Radioactive Waste Management Complex

SDZ  Surface Danger Zone

TBD  To Be Determined
TOC  Tactical Operations Center

UA  Unmanned aircraft
UAS  Unmanned Aerial Systems
USAF  U.S. Air Force
USAFLO  U.S. Air Force Liaison Officer
UXO  Unexploded Ordnance

VCO  Visit Control Office
VDZ  Vertical Danger Zone
VFR  Visual Flight Rules
VIP  Very Important Person