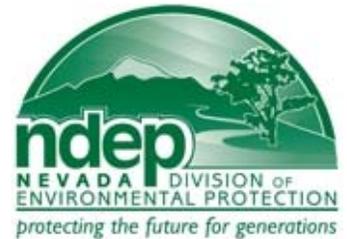




**Hazardous Waste Management**  
**DRAFT RCRA Permit NEVHW0027**  
**September 2013**



**Hawthorne Army Depot — New Bomb  
Hawthorne, Nevada**

**EPA ID# NV5210090010**

**Nevada Department of Conservation and Natural Resources  
Division of Environmental Protection  
Bureau of Waste Management**

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*(not physically attached to this Permit)*



RCRA PERMIT  
FOR A HAZARDOUS WASTE MANAGEMENT FACILITY



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Facility: **Hawthorne Army Depot – New Bomb** RENEWAL  
**Nevada State Route 359 South, Mineral County, Nevada 89415** September 2013  
Permittee: **U.S. Dept. of the Army, Hawthorne Army Depot and SOC Nevada LLC**  
Facility EPA ID#: **NV5210090010**  
Permit Number: **NEVHW0027**

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This Permit is issued by the Nevada Division of Environmental Protection (NDEP) under the authority of Section 3006 of Resource Conservation and Recovery Act (RCRA) (40 CFR regulations codified in Part 271), Nevada Revised Statutes (NRS) 459.520 and Nevada Administrative Code (NAC) 444.842 through 444.8746 and 444.960. The State of Nevada has adopted 40 CFR Subpart A of Part 2, Subparts A and B of Part 124, and Parts 260 through 270 inclusive, by reference in the NAC at 444.8632 with exceptions listed at 444.86325 and as revised at 444.8633. This Permit is issued to the United States Department of the Army, Hawthorne Army Depot and SOC Nevada LLC (hereafter collectively called the Permittee), to operate a hazardous waste management facility located on State Route 359 South, in Mineral County, Nevada at latitude 38° 33' 20.6" North, longitude 118° 38' 56" West, and summarily described as follows:

The facility is located on approximately 3,183 acres of land, which is owned by United States Government and is operated by SOC Nevada LLC. The facility consists of:

- One (1) Open Detonation Unit.

The Permittee is not required to conduct ground water monitoring for the hazardous waste management units permitted (under 40 CFR 264.90 and 264.99). The Permittee is required to conduct soil sampling on a semi-annual basis, as described in Section II B.3 (Sampling and Analysis Plan) of the Permit Application. The open detonation unit is expected to be clean closed; however, if clean closure is not reached, post-closure care for this unit will be required. Contingent post-closure care requirements are described further in Section 13 of this Permit.

The Permittee must comply with all terms and conditions of this Permit. This Permit consists of the conditions contained herein, the Permit Application (Parts A and B), and the applicable regulations contained in 40 CFR Parts 124, 260 through 270, and Sections 206, 212, and 224 of HSWA, which require corrective action for all releases of hazardous wastes or constituents from any solid waste management unit (SWMU) at a treatment, storage, or disposal unit seeking a Permit, regardless of the time at which waste was placed in such unit, as specified in the Permit. If there are conflicts between this Permit and the Permit Application, the Permit shall prevail. Applicable regulations are those that are in effect on the date of issuance of the Permit, in accordance with 40 CFR 270.32(c) and NAC 444.8632.

This Permit is based on the assumption that the information submitted in the Part A (dated July 3, 2012) and Part B (dated June 2012) Permit Applications and subsequent amendments<sup>1</sup> (last one dated October 31, 2012) is accurate, and that the facility will be operated as specified in the Permit Application and this Permit.

Any inaccuracies found in the Permit Application may be grounds for the termination, revocation

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<sup>1</sup> Hereafter referred to as the Permit Application.

and reissuance, or modification of this Permit in accordance with 40 CFR 270.41, 270.42, 270.43, and NAC 444.8632, and for enforcement action. The Permittee must inform the Director of any deviation from or changes in the information in the application, which would affect the Permittee's ability to comply with applicable regulations or permit conditions. Failure to comply with any term or condition set forth in this Permit in the time or manner specified herein will subject the Permittee to possible enforcement action and penalties pursuant to NRS 459.565, 459.570, 459.585, and 459.595.

This Permit is effective as of -----, 2013 and shall remain in effect until -----, 2018 unless revoked and reissued under 40 CFR 270.41 and NAC 444.8632, terminated under 40 CFR 270.43 and NAC 444.8632, or continued in accordance with §270.51(a) and NAC 444.8632.

This Permit shall be reviewed by the Director five (5) years after the date of Permit reissuance and shall be modified, as necessary, as provided in NRS 459.520 (4) and 40 CFR 270.50(d).

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R. Eric Noack  
Chief, Bureau of Waste Management  
Nevada Division of Environmental Protection

Date

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**1. SUMMARY**

The permitted site is a government-owned, contractor-operated (GOCO) hazardous waste treatment facility. The Permittee is the United States Department of the Army, Hawthorne Army Depot and SOC Nevada LLC. The Permittee may accept and treat the waste identified in the Part A Application and managed as described in the Part B Permit Application, both of which are adopted by reference and listed as attachments to this permit. Wastes managed include hazardous waste munitions and explosives. The facility may receive and process hazardous wastes from the Hawthorne Army Depot Main Base (HWAD-MB) facility (EPA ID NV1210090006) and the U.S. Government. The facility is required to conduct soil sampling during the life of active operation, with the intent of being clean closed at the time of cessation of any permitted hazardous waste activity.

The miscellaneous, Subpart X, unit is described in Section 6 (Subpart X Unit Conditions). The requirements for waste minimization, corrective action and financial assurance are described in Sections 8 (Waste Minimization Conditions), 12A (Corrective Action Conditions for Groundwater Monitoring), 12B (Corrective Action Conditions for SWMU & AOC) and 14 (Financial Assurance Conditions), respectively. All regulations cited in this Permit refer to regulations in effect on the date of issuance of this Permit. The Permittee is to maintain compliance with the conditions contained in this Permit and any self-implementing regulations promulgated after issuance.

**1.1 EFFECT OF PERMIT**

The Permittee is allowed to accept and treat hazardous waste in accordance with the conditions of this Permit and its attachments. Any acceptance or treatment of hazardous waste not authorized in this Permit is prohibited. Subject to 40 CFR 270.4, compliance with this Permit during its term constitutes compliance, for purposes of enforcement, with Subtitle C of the Resource Conservation and Recovery Act (RCRA), Nevada Revised Statutes (NRS) 459.400 through 459.600, Nevada Administrative Code (NAC) 444.842 through 444.8746, NAC 444.960, and the Hazardous & Solid Waste Amendments of 1984 (HSWA). Issuance of this Permit does not convey any property rights of any sort, nor any exclusive privilege; nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any order issued or any action brought under Sections 3008(a), 3008(h), 3013, or 7003 of RCRA; Sections 106(a), 104 or 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq., commonly known as CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, NRS 459.400 through 459.600, or any other law providing for protection of public health or the environment. Compliance with the terms of this Permit shall not relieve the Permittee of its obligation to comply with any other applicable local, state, or federal laws and regulations. *[40 CFR 270.4 and 270.30(g), and NAC 444.8632]*

The State of Nevada has adopted 40 CFR Subpart A of Part 2, portions of Subparts A and B of Part 124, Parts 260 through 270, inclusive, by reference in NAC 444.8632 with exceptions listed at NAC 444.86325 and as revised at NAC 444.8633 and NAC 444.8634. Therefore, all references to 40 CFR in this Permit are as they are adopted in NAC 444.8632 through 444.8634.

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## **1.2 PERMIT ACTIONS**

### **1.2.1 Permit Modification, Revocation and Re-Issuance, and Termination**

This Permit may be modified, revoked and reissued, or terminated for cause, as specified in 40 CFR 270.41, 270.42, 270.43 and 270.30(f). The filing of a request for a permit modification, revocation and reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee, does not stay the applicability or enforceability of any Permit Condition. *[40 CFR 124.5(c) and 270.4(a)]*

Modifications and/or updates to information provided in the Part A and B Permit Applications may require the Permittee to file a request for a permit modification. As such, the Permittee must provide information on any modifications and/or updates to the Director. Any changes in hazardous waste operating procedures require approval prior to implementation.

### **1.2.2 Permit Renewal**

This Permit may be renewed as specified in 40 CFR 270.30(b) and Permit Condition 1.5.3. Review of any application for a Permit renewal shall consider improvements in the state of control and measurement technology, as well as changes in applicable regulations. *[40 CFR 270.30(b), HSWA Sec. 212]*

## **1.3 SEVERABILITY**

The provisions of this Permit are severable, and, if any provision of this Permit, or the application of any provision of this Permit, to any circumstance, is held invalid, then the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby.

## **1.4 DEFINITIONS**

For purposes of this Permit, terms used herein shall have the same meaning as those in NAC 444.842 through 444.8746, and 40 CFR Parts 124, 260, 264, 266, 268, and 270, unless this Permit specifically provides otherwise. Where terms are not defined in the regulations or the Permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term. For purposes of this Permit, the definitions listed below apply.

### **1.4.1 Action Levels**

Health- and environmental-based levels determined by EPA or NDEP to be indicators for protection of human health and/or the environment. Contamination exceeding action levels indicates a potential threat to human health and/or the environment, which may require further study. Action levels are also used as reference points for developing final cleanup standards.

### **1.4.2 Administrator**

The Administrator of the Nevada Division of Environmental Protection (NDEP), a designee, or an authorized representative.

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1.4.3 Area of Concern (AOC)

Any area having a probable release of a hazardous waste or hazardous constituent which is not from a solid waste management unit and is determined by the Division to pose a current or potential threat to human health or the environment.

1.4.4 Certified Laboratory

A laboratory that has been approved by the Director to perform specific analyses referenced in NRS 459.500.

1.4.5 Closure Plan

The plan for closure prepared in accordance with the requirements of 40 CFR 264.112.

1.4.6 Contamination

The presence of any hazardous constituent in a concentration which exceeds the naturally occurring concentration of that constituent in areas which should not be affected by the operations of the facility.

1.4.7 Corrective Action

May include all corrective actions necessary to protect human health and the environment for all releases of hazardous waste or hazardous constituents at the facility, regardless of the time at which waste was placed in the unit, as required under 40 CFR 264.101. Corrective action may address releases to air, soils, surface water sediment, groundwater, or subsurface gas.

1.4.8 Days

Calendar days, unless otherwise specified.

1.4.9 Director

The Director of the Nevada Department of Conservation and Natural Resources (DCNR), a designee, or an authorized representative.

1.4.10 Discover, Discovery and Discovered

The date on which the Permittee or a Division representative either:

- (1) Visually observes evidence of a new SWMU or AOC,
- (2) Visually observes evidence of a previously unidentified release of hazardous constituents to the environment, or
- (3) Receives information which suggests the presence of a new release of hazardous waste or hazardous constituents to the environment.

1.4.11 Division

The Nevada Division of Environmental Protection (NDEP), including personnel thereof authorized by the Director to act on behalf of the Division.

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#### 1.4.12 Extent of Contamination

The horizontal and vertical area in which the concentrations of hazardous constituents in the environmental media being investigated are above the naturally occurring concentration of that constituent in areas not affected by the operations of the facility.

#### 1.4.13 Facility

The Hawthorne Army Depot New Bomb site, including all contiguous land and structures, other appurtenances or improvements on the land, and any units used for the treatment of hazardous waste munitions. For the purpose of implementing corrective action under 40 CFR 264.100 and 264.101, “facility” includes all contiguous property under the control of the owner or operator seeking a permit under Subtitle C of RCRA.

#### 1.4.14 Hazardous Constituents

Those substances listed in Appendix VIII of 40 CFR 261 and/or Appendix IX of 40 CFR 264, or any pollutant as defined in the NRS 445A.400.

#### 1.4.15 Hazardous Waste Management Unit (HWMU)

A contiguous area of land on or in which hazardous waste is managed, or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area. Examples of hazardous waste management units include surface impoundments, waste piles, land treatment areas, landfill cells, incinerators, tanks and their associated piping and underlying containment system, and container storage areas. A container alone does not constitute a unit; the unit includes containers and the land or pad upon which they are managed.

#### 1.4.16 Interim Measures

Actions necessary to minimize or prevent the further migration of contaminants and limit actual or potential human and environmental exposure to contaminants while long-term corrective action remedies are evaluated and, if necessary, implemented.

#### 1.4.17 Permittee

The United States Department of the Army, Hawthorne Army Depot and SOC Nevada LLC, the entities to whom this Permit is issued.

#### 1.4.18 Post-Closure Care Period

A thirty year period beginning when a hazardous waste management unit is certified as closed and during which time the Permittee shall be required to maintain, monitor, and report in accordance with the appropriate requirements of 40 CFR 264 Subparts F, K, L, M, N, and X. The post-closure care period is unit specific and may be more or less than thirty years. The Division may modify the post-closure care period applicable to a unit if it finds that an extended or reduced period is sufficient to protect human health and the environment.

#### 1.4.19 Post-Closure Plan

The plan for post-closure prepared in accordance with the requirements of 40 CFR 264.118.

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#### 1.4.20 Qualified Professional Engineer

A person who by reason of his/her professional education and practical experience is granted a license by the Nevada State Board of Professional Engineers and Land Surveyors to practice professional engineering.

#### 1.4.21 Release

Any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, dumping, or disposing of hazardous wastes (including hazardous constituents) into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents).

#### 1.4.22 Remediation Waste

All solid and hazardous wastes, and all media (including groundwater, surface water, soils and sediments) and debris, which contain listed hazardous wastes or which themselves exhibit a hazardous waste characteristic, that are managed for the purpose of implementing corrective action requirements under 40 CFR 264.100, 264.101 and RCRA Section 3008(h). For a given facility, remediation wastes may originate only from within the facility boundary, but may include waste managed in implementing RCRA Sections 3004(v) or 3008(h) for releases beyond the facility boundary.

#### 1.4.23 Schedule of Compliance

A schedule of remedial measures included in this Permit, including an enforceable sequence of interim requirements (for example, actions, operations, or milestone events) leading to compliance with the Resource Conservation and Recovery Act and/or the State of Nevada Hazardous Waste Management Regulations.

#### 1.4.24 Solid Waste

Any garbage, refuse, sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility and other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges which are point sources subject to permits under Section 402 of the Federal Water Pollution Control Act, as amended (86 Stat. 880), or source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954, as amended (68 Stat. 923).

#### 1.4.25 Solid Waste Management Unit (SWMU)

Any unit which has been used for the treatment, storage, or disposal of solid waste at any time, irrespective of whether the unit is or ever was intended for the management of solid waste. RCRA hazardous waste management units are also solid waste management units. SWMUs include areas that have been contaminated by routine and systematic releases of hazardous waste or hazardous constituents, excluding one-time accidental spills that are immediately remediated and cannot be linked to solid waste management activities (e.g. product or process spills).

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1.4.26 Unit

Includes, but is not limited to, any landfill, surface impoundment, waste pile, land treatment unit, incinerator, injection well, tank, container storage area, wastewater treatment unit, elementary neutralization unit, or recycling unit.

**1.5 DUTIES AND REQUIREMENTS**

1.5.1 Duty to Comply

The Permittee shall comply with all conditions of this Permit, except that the Permittee need not comply with the conditions of this Permit to the extent and for the duration such noncompliance is authorized by an Emergency Permit (see 40 CFR 270.61). Any Permit noncompliance, except under the terms of an Emergency Permit, constitutes a violation of the appropriate Act and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. *[40 CFR 270.30(a)]*

1.5.2 Compliance Schedule

Any schedule of compliance established subsequent to the issuance of this Permit; it shall be adopted by reference as a condition of Permit compliance, as if fully set forth herein.

1.5.3 Duty to Reapply

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, the Permittee shall submit a complete application for a new Permit at least 180 days prior to this Permit's expiration. *[40 CFR 270.10(h) and 270.30(b)]*

1.5.4 Permit Expiration

Pursuant to NRS 459.520(4), this Permit shall be effective for a fixed term not to exceed five (5) years. As long as the NDEP is the Permit-issuing authority, this Permit and all conditions herein shall remain effective beyond the expiration date, if the Permittee has submitted a timely, complete application (40 CFR 270.10, 270.13 through 270.29) and, through no fault of the Permittee, the Director has not issued a new Permit, as set forth in 40 CFR 270.51.

1.5.5 Need to Halt or Reduce Activity not a Defense

It shall not be a defense for the Permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit. *[40 CFR 270.30(c)]*

1.5.6 Duty to Mitigate

In the event of noncompliance with this Permit, the Permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures, as are reasonable, to prevent significant adverse impacts on human health or the environment. *[40 CFR 270.30(d)]*

1.5.7 Proper Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to

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achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance/quality control procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the Permit.

*[40 CFR 270.30(e)]*

#### 1.5.8 Permit Actions

This Permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any Permit condition.

*[40 CFR 270.30(f)]*

#### 1.5.9 Property Rights

This Permit does not convey any property rights of any sort, nor any exclusive privilege.

*[40 CFR 270.30(g)]*

#### 1.5.10 Duty to Provide Information

The Permittee shall furnish to the Director, within a reasonable time, any relevant information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit, or to determine compliance with this Permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit.

*[40 CFR 264.74(a) and 270.30(h)]*

#### 1.5.11 Inspection and Entry

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents, as may be required by law, to:

*[40 CFR 270.30(i)]*

1. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
4. Sample or monitor, at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized by RCRA, any substances or parameters at any location.

#### 1.5.12 Monitoring and Records

- 1.5.12.1 Samples and measurements taken for monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 or an equivalent method approved by the Director. Laboratory methods must be those specified in the current edition (and its current update) of EPA manual SW-846: Test Methods for Evaluating Solid Waste,

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Physical/Chemical Methods – Standard Methods of Wastewater Analysis or an equivalent method. *[40 CFR 270.30(j)(1)]*

1.5.12.1.1 Both groundwater and soil samples for regulatory monitoring and remedial efforts must be sent to a Nevada-certified laboratory for analyses. As a permitted hazardous waste management facility the on-site laboratory is not required to be state-certified if the laboratory is solely utilized for the purposes of on-site management of wastes. *[NRS 445A.425 and 445A.427]*

1.5.12.2 The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Permit, the certification required by 40 CFR 264.73(b)(9), and records of all data used to complete the application for this Permit, for a period of at least 3 years from the date of the sample, measurement, report, certification, or application. This period may be extended by request of the Director at any time and is automatically extended during the course of any unresolved enforcement action regarding the facility. The Permittee shall maintain records from soil sampling for the active life of the facility. *[40 CFR 264.74(b) and 270.30(j)(2)]*

1.5.12.3 Records for monitoring information shall include: *[40 CFR 270.30(j)(3)]*

1. The date(s), exact place(s), and time(s) of sampling or measurements;
2. The individual(s) who performed the sampling or measurements;
3. The date(s) the analyses were performed;
4. The individual(s) who performed the analyses;
5. The analytical techniques or methods used; and
6. The results of such analyses.

1.5.13 Signatory Requirements  
All applications, reports, or information submitted to or requested by the Director, a designee, or authorized representative, shall be signed and certified in accordance with 40 CFR 270.11. *[40 CFR 270.30(k)]*

1.5.14 Reporting Requirements

1.5.14.1 Reporting Planned Changes  
The Permittee shall give notice to the Director, as soon as possible, of any planned physical alterations or additions to the permitted facility. *[40 CFR 270.30(l)(1)]*

1.5.14.2 Reporting Anticipated Non-Compliance  
The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity, which may result in noncompliance with Permit requirements. *[40 CFR 270.30(l)(2)]*

1.5.14.3 Certification of Construction or Modification  
The Permittee may not commence treatment or storage of hazardous waste in any modified

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portion of the facility until:

1. The Permittee has submitted to the Director, by certified mail or hand delivery, a letter signed by the Permittee and a qualified Professional Engineer stating that the facility has been constructed or modified in compliance with the Permit; and  
*[40 CFR 270.30(l)(2)(i)]*
2. (A) The Director has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the Permit; or *[40 CFR 270.30(l)(2)(ii)(A)]*  
(B) Within 15 calendar days of the date of submission of the letter in Permit Section 1.5.14.3.1 of this Permit, if the Permittee has not received notice from the Director of his or her intent to inspect, prior inspection is waived and the Permittee may commence treatment, storage, or disposal of hazardous waste.  
*[40 CFR 270.30(l)(2)(ii)(B)]*

#### 1.5.14.4 Transfer of Permits

This Permit is not transferable to any person, except after notice to the Director. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under RCRA. (See 40 CFR 270.40) Before transferring ownership or operation of the facility during its operating life (or during its post-closure period, if applicable), the Permittee shall notify the new owner or operator, in writing, of the requirements of 40 CFR 264 and 270, NAC 444.842 through 444.8746, NAC 444.960, and this Permit.

*[40 CFR 270.30(l)(3), 40 CFR 264.12(c)]*

#### 1.5.14.5 Monitoring Reports

Monitoring results shall be reported at the intervals specified elsewhere in this Permit, or as required by a compliance schedule issued pursuant to Permit Condition 1.5.2.

*[40 CFR 270.30(l)(4)]*

#### 1.5.14.6 Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit or issued as an enforcement action, shall be submitted no later than 14 calendar days following each schedule date.

*[40 CFR 270.30(l)(5)]*

#### 1.5.14.7 Twenty-Four Hour Reporting

1.5.14.7.1 The Permittee shall report to the Director any noncompliance which may endanger health or the environment. Any such information shall be reported orally within 24-hours from the time the Permittee becomes aware of the circumstances. This includes any fire or explosion at or near a permitted unit or other hazardous waste management area, even if there is no apparent threat to human health or the environment. The report shall include the following:

1. Information concerning a release of any hazardous waste that may cause an endangerment to public drinking water supplies;

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2. Any information of a release or discharge of hazardous waste or of a fire or explosion from the hazardous waste management facility, which could threaten the environment or human health. *[40 CFR 270.30(l)(6)(i)]*

1.5.14.7.2 The description of the occurrence and its cause shall include:

1. Name, address, and telephone number of the owner or operator;
2. Name, address, and telephone number of the facility;
3. Date, time, and type of incident;
4. Name and quantity of material(s) involved;
5. The extent of injuries, if any;
6. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
7. Estimated quantity and disposition of recovered material that resulted from the incident. *[40 CFR 270.30(l)(6)(ii)]*

1.5.14.7.3 A written submission shall also be provided within five days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance (including exact dates and times); and, if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The Director may waive the five-day written notice requirement in favor of a written report within fifteen days. *[40 CFR 270.30(l)(6)(iii)]*

1.5.14.8 Manifest Discrepancy Report

If a significant discrepancy in a manifest is discovered, the Permittee must attempt to reconcile the discrepancy. If not resolved within fifteen days, the Permittee must submit a letter report, including a copy of the manifest, to the Director. (See 40 CFR 264.72) *[40 CFR 270.30(l)(7)]*

1.5.14.9 Unmanifested Waste Report

This report must be submitted to the Director within 15 calendar days of receipt of unmanifested waste. (See 40 CFR 264.76) *[40 CFR 270.30(l)(8)]*

1.5.14.10 Biennial Report

A Biennial Report must be submitted by March 1<sup>st</sup> of each even numbered year, covering facility activities during the previous calendar year and the information in 40 CFR 264.75. *[40 CFR 270.30(l)(9)]*

1.5.14.11 Other Noncompliance

The Permittee shall report all instances of noncompliance not otherwise required to be reported above, at the time monitoring reports are submitted. The reports shall contain the information listed in Permit Condition 1.5.14.7 of this section. *[40 CFR 270.30(l)(10)]*

1.5.14.12 Other Information

Whenever the Permittee becomes aware that they failed to submit any relevant facts in a

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permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information.

*[40 CFR 270.30(l)(11)]*

1.5.15 Information Repository

The Permittee shall maintain the information repository created in support of all Permit applications, renewals and modifications pursuant to 40 CFR 124.33(c) through (f) for the life of the facility.

*[40 CFR 270.30(m)]*

**1.6 REPORTS, NOTIFICATIONS, AND SUBMISSIONS TO THE DIRECTOR**

All reports, notifications, or other submissions required by this Permit must be sent to the addressee shown below and must be **received by** the specified due date:

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RCRA Permitting Branch Supervisor  
 Bureau of Waste Management  
 Nevada Division of Environmental Protection  
 901 S. Stewart Street, Suite 4001  
 Carson City, NV 89701-5249

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**1.7 CONFIDENTIAL INFORMATION**

In accordance with 40 CFR 270.12, the Permittee may claim confidential, any information required to be submitted by this Permit.

**1.8 DOCUMENTS TO BE MAINTAINED AT THE FACILITY**

The Permittee shall maintain at the facility, until closure is completed and certified by an independent qualified Professional Engineer, the following documents and all amendments, revisions and modifications to these documents:

1. Waste Analysis Plan, as required by 40 CFR 264.13 and this Permit;
2. Inspection Schedules, as required by 40 CFR 264.15(b)(2) and this Permit;
3. Personnel Training Documents and Records, as required by 40 CFR 264.16(d) and this Permit;
4. Contingency Plan, as required by 40 CFR 264.53(a) and this Permit;
5. Operating Record, as required by 40 CFR 264.73 and this Permit;
6. Closure Plan, as required by 40 CFR 264.112(a) and this Permit;
7. Information Repository as required by 40 CFR 270.30(m) and this Permit;
8. All Soil Sampling and Groundwater Monitoring Records, inclusive of installation details for all wells, as required by this Permit or otherwise;
9. Corrective Action Plans and Reports;
10. All instances of implementation of the Contingency Plan;
11. All correspondence between the Division and the facility related to changes or modifications to this Permit or notifications of non-compliance and all inspection reports; and

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12. Unusual Occurrence Reports (examples: all manifest discrepancies, deficiencies found as a result of an inspection, all releases whether contained by secondary containment or not, all injuries to personnel, all activations of the alarm system, any non-compliance with this Permit, etc.).

**1.9 PERMIT COMPLIANCE SCHEDULES**

Refer to specific sections of this Permit for any compliance schedules established by the Director.

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**2. SUMMARY**

The Permittee is required to operate the facility consistent with the accepted practices detailed in this and other sections of this Permit and the corresponding Permit Application in order to minimize the possibility of releases to the environment or harm to either employees or the public at large.

**2.1 DESIGN AND OPERATION OF FACILITY**

The Permittee shall construct, maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned, sudden or non-sudden release of hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment, as required by 40 CFR 264.31 and in accordance with the management practices and procedures specified in the permit application.

**2.2 REQUIRED NOTICES**

**2.2.1 Hazardous Waste Imports**

The Permittee is prohibited from receiving hazardous waste from a foreign source.

**2.2.2 Hazardous Waste from Off-Site Sources**

Except as provided in Paragraphs 2.2.2.1 and 2.2.2.2, below, the Permittee is prohibited from receiving hazardous waste from an off-site source, unless approved in writing by the Administrator.

2.2.2.1 The Permittee may accept waste generated from the Hawthorne Army Depot Main Base facility (EPA ID# NV1210090006) or the U.S. Government.

2.2.2.2 The Permittee may accept waste munitions/explosives seized or confiscated within Nevada by law enforcement agencies and/or military organizations.

**2.3 GENERAL WASTE ANALYSIS**

The Permittee shall comply with the waste analysis requirements of 40 CFR 264.13 and follow the Waste Analysis Plan procedures of Permit Application Section II B.2.

**2.4 SECURITY**

The Permittee shall comply with the security provisions of 40 CFR 264.14 and the Security Procedures in Permit Application Section II C.1 (Security Procedures and Equipment).

**2.5 GENERAL INSPECTION REQUIREMENTS**

The Permittee shall comply with the Inspection Plan requirements of 40 CFR 264.15 and follow the Inspection Plan procedures in Permit Application Section II C.2 (Inspection Schedule). The Permittee shall remedy any deterioration or malfunction discovered by an inspection, as required by 40 CFR 264.15(c). Records of all inspections shall be kept, as required by 40 CFR 264.15(d).

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## 2.6 PERSONNEL TRAINING

The Permittee shall conduct personnel training, as required by 40 CFR 264.16. This training program shall follow the outline in Permit Application Section II E (Personnel Training), and maintain training documents and records, as required by 40 CFR 264.16(d) and (e).

### 2.6.1 Training Program

#### 2.6.1.1 Facility Personnel

Facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the requirements of this Permit. The Permittee must ensure that this program includes all the elements described in the document required under 40 CFR 264.16(d)(3). *[40 CFR 264.16(a)(1)]*

#### 2.6.1.2 Instructor Qualifications

The training program must be directed by a person trained in hazardous waste management procedures. *[40 CFR 264.16(a)(2)]*

#### 2.6.1.3 Training Content

The training program must include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed. *[40 CFR 264.16(a)(2)]*

#### 2.6.1.4 Emergency Response

2.6.1.4.1 At a minimum, the training program must be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including, where applicable:

*[40 CFR 264.16(a)(3)]*

1. Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;
2. Key parameters for automatic waste feed cut-off systems;
3. Communications or alarm systems;
4. Response to fires or explosions;
5. Response to ground-water contamination incidents; and
6. Shutdown of operations.

2.6.1.4.2 For facility employees that receive emergency response training pursuant to Occupational Safety and Health Administration (OSHA) regulations 29 CFR 1910.120(p)(8) and 1910.120(q), the facility is not required to provide separate emergency response training pursuant to this section, provided that the overall facility training meets all the requirements of this Permit. *[40 CFR 264.16(a)(4)]*

### 2.6.2 Training Schedule

Facility personnel must successfully complete the program required in Permit Condition 2.6.1 within six months after the date of their employment or assignment to the facility, or to a new

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position at the facility, whichever is later. Newly hired employees must not work in unsupervised positions until they have successfully completed the training requirements in Permit Conditions 2.6.1.1 through 2.6.1.4, above. *[40 CFR 264.16(b)]*

**2.6.3 Annual Review**

Facility personnel must take part in an annual review of the initial training required in Permit Condition 2.6.1, above. *[40 CFR 264.16(c)]*

**2.6.4 Documentation**

The Permittee must maintain the following documents and records at the facility: *[40 CFR 264.16(d)]*

1. The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job;
2. A written job description for each position listed under (1), above. This description may be consistent in its degree of specificity with descriptions of other similar positions in the same company location or bargaining unit, but must include the requisite skill, education, or other qualifications, and duties of employees assigned to each position;
3. A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under (1), above;
4. Records that document that the training or job experience required under Permit Conditions 2.6.1, 2.6.2 and 2.6.3, above, has been given to, and completed by, facility personnel.

**2.6.5 Recordkeeping**

Training records on current personnel must be kept until closure of the facility; training records on former employees must be kept for at least three years from the date the employee last worked at the facility. Personnel training records may accompany personnel transferred within the same company. *[40 CFR 264.16(e)]*

**2.7 SPECIAL PROVISIONS**

**2.7.1 Special Provisions for Ignitable, Reactive, or Incompatible Waste**

The Permittee shall comply with the requirements of 40 CFR 264.17 and follow the procedures for handling ignitable, reactive, and incompatible wastes set forth in Permit Application Sections II B.1.3 and II.C.5. *[40 CFR 264.17]*

**2.8 RESTRICTED WASTES**

The Permittee is not authorized to receive, treat, store, dispose of, or otherwise manage the following:

1. Waste that is not identified in Permit Condition 6.2.1;
2. Non-explosive wastes, with the exception of incidental munition containers that cannot be separated from munitions prior to detonation due to safety hazards;

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3. Any radioactive material that is not exempt from regulation and licensing or is not expressly authorized for storage or treatment under this Permit or any radioactive or nuclear waste material, which requires specific licensing or permitting under any other rules of state or federal authorities for disposal or transshipment;
4. Compressed gases or pressurized gases, including those contained in compressed gas cylinders;
5. Chemical Agents, Biological Agents, Etiologic Agents or infectious wastes;
6. Waste generated off-site, except as provided by Permit Condition 2.2.2;
7. Waste explosive munitions for which permitted capacity exists at the HWAD Main Base Facility, as determined by the analysis described in Section III A.4 (Alternative Methods Currently in Use at HWAD) of the Permit Application, and for which there is a market for reuse, recycling, or reutilization;
8. Waste explosive items that can be treated, within safety and regulatory requirements, at the HWAD Main Base Facility; or
9. The hazardous waste described as “prohibited” in Permit Section 6.2.2.

## **2.9 LOCATION STANDARDS**

### **2.9.1 Floodplains**

The Permittee shall operate and maintain the facility to prevent washout of any hazardous waste by a 100-year flood, as required by 40 CFR 264.18(b)(1), in accordance with Permit Application Section II A.3.2 (Floodplain Requirements). *[40 CFR 264.18(b)]*

## **2.10 PREPAREDNESS AND PREVENTION**

### **2.10.1 Required Equipment**

At a minimum, the Permittee shall maintain at the facility the equipment set forth in the “Preparedness and Prevention” portion of Section II C and the Contingency Plan (Appendix C) in the Permit Application, as required by 40 CFR 264.32.

### **2.10.2 Testing and Maintenance of Equipment**

The Permittee shall test and maintain the equipment specified in Permit Condition 2.10.1, as necessary, to assure its proper operation in time of emergency (see inspection schedules in Tables II-6, II-7, and II-8 of the Permit Application), as required by 40 CFR 264.33. *[40 CFR 264.33]*

### **2.10.3 Access to Communications or Alarm System**

2.10.3.1 Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, all personnel involved in the operation must have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee. *[40 CFR 264.34(a)]*

2.10.3.2 If there is ever just one employee on the premises while the facility is operating, he must have immediate access to a device, such as a telephone (immediately available at the scene of

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operation) or a hand-held two-way radio, capable of summoning external emergency assistance. *[40 CFR 264.34(b)]*

#### 2.10.4 Arrangements with Local Authorities

The Permittee shall maintain the arrangements with State and local authorities, as specified in Section 7.0 of Appendix C in the Permit Application and required by 40 CFR 264.37. If any State or local officials refuse to enter into such arrangements, the Permittee must document the refusal in the Operating Record. *[40 CFR 264.37]*

### 2.11 CONTINGENCY PLAN

#### 2.11.1 Implementation of Plan

The Permittee shall immediately carry out the provisions of the RCRA Contingency Plan, Appendix C of the Permit Application, whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which could threaten human health or the environment. *[40 CFR 264.51(b)]*

#### 2.11.2 Copies of Plan *[40 CFR 264.53]*

A copy of the Contingency Plan<sup>1</sup> and all revisions to the plan must be:

1. Maintained at the facility; and
2. Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

#### 2.11.3 Amendments to Plan *[40 CFR 264.54]*

The Contingency Plan must be reviewed, and immediately amended, if necessary, whenever:

1. The facility Permit is revised;
2. The plan fails in an emergency;
3. The facility changes – in its design, construction, operation, maintenance, or other circumstances – in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency;
4. The list of emergency coordinators changes; or
5. The list of emergency equipment changes.

#### 2.11.4 Emergency Coordinator

2.11.4.1 A qualified emergency coordinator shall be available at all times in case of an emergency, as required by 40 CFR 264.55. *[40 CFR 264.55]*

2.11.4.2 The Emergency Coordinator shall comply with the emergency procedures described in 40 CFR 264.56 and Sections 2 and 4 of Appendix C (New Bomb Contingency Plan) in the

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<sup>1</sup> A copy of the Main Base Contingency Plan, which is referenced in the New Bomb Contingency Plan, shall be kept and maintained at the New Bomb facility.

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## **2.12 MANIFEST SYSTEM**

The Permittee shall comply with the manifest requirements of 40 CFR 264.71, 264.72, 264.76, and NAC 444.8666, and follow the procedures in Permit Application Section II A.5 (Documentation of Compliance with Manifest System, Recordkeeping, and Reporting Requirements), consistent with: *[40 CFR 264.71(a)(2) and 264.72]*

1. Signing and dating each copy of the manifest to certify that the hazardous waste covered by the manifest was received<sup>2</sup>;
2. Noting any significant discrepancies in the manifest, as defined below, on each copy of the manifest:
  - a. Waste Types - Manifest discrepancies between the type of hazardous waste designated on the manifest or shipping paper, and the type of hazardous waste the facility actually receives, or obvious differences which can be discovered by inspection or waste analysis, such as waste solvent substituted for waste acid, or toxic constituents not reported on the manifest or shipping paper; or
  - b. Waste Quantities - For bulk waste, variations greater than 10 percent in weight, for batch waste, any variation in piece count, such as a discrepancy of one drum in a truckload.
3. Immediately giving the transporter at least one copy of the signed manifest;
4. Within 30 days after the delivery, sending a copy of the manifest to the generator;
5. Retaining at the facility a copy of each manifest for at least three years from the date of delivery; and
6. Complying with the manifest discrepancies requirements of 40 CFR 264.72 by reconciling the discrepancy with the waste generator or transporter (e.g., with telephone conversations). If the discrepancy is not resolved within 15 days after receiving the waste, the Permittee must immediately submit to the Director a letter describing the discrepancy and attempts to reconcile it, and a copy of the manifest or shipping paper.

## **2.13 RECORDKEEPING AND REPORTING**

In addition to recordkeeping, reporting, and fee requirements specified elsewhere in this Permit, the Permittee shall do the following:

### **2.13.1 Operating Record**

- 2.13.1.1 The Permittee shall maintain a written operating record at the facility, in accordance with Permit Application Section II A.5.3 (Operation Records) and as required by 40 CFR 264.73. *[40 CFR 264.73, 264.74]*

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<sup>2</sup> *[Comment: The Division does not intend that the Permittee (who performs procedures under 40 CFR 264.13(c)) perform that analysis before signing the manifest and returning it to the transporter. 40 CFR 264.72(b), however, requires reporting an unreconciled discrepancy discovered during later analysis.]*

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2.13.1.2 The Permittee shall maintain at the facility<sup>3</sup> copies of waste minimization documents required in Permit Section 8 and shall make them available to any authorized representative of the Division or USEPA conducting an inspection. *[40 CFR 264.73, 264.74]*

2.13.2 Quarterly Volume Reports and Fees

The Permittee shall submit to the Director a detailed quarterly volume breakdown report along with the quarterly fees due within 30 days after the end of each calendar quarter. *[NAC 444.8452]*

2.13.3 Annual Operating Fee

The Permittee shall, on or before March 1 of each year, pay to the Division the annual operating fee. *[NAC 444.845]*

2.13.4 Biennial Reports

The Permittee shall comply with the reporting requirements of 40 CFR 264.75 by submitting a report to the Division by March 1<sup>st</sup> of each even numbered year for the previous operating year.

**2.14 GENERAL CLOSURE REQUIREMENTS**

2.14.1 Performance Standard

The Permittee shall close the facility, as required by 40 CFR 264.111 and in accordance with the approved Closure Plan in the Permit Application Section II F (Closure and Post-Closure Plans).

2.14.2 Amendment to Closure Plan

The Permittee shall submit a written request for a permit modification, as described in 40 CFR 264.112(c), for any changes in the approved closure plan. *[40 CFR 264.112(c)]*

2.14.3 Notification of Closure

The Permittee shall notify the Director in writing at least 60 days prior to the date on which the facility expects to begin partial or final closure of the facility, as required by 40 CFR 264.112(d).

2.14.4 Time Allowed for Closure

After receiving the final volume of hazardous waste in any or all of the regulated units, the Permittee shall treat and remove from the unit or facility, all hazardous wastes and shall complete closure activities in accordance with 40 CFR 264.113 and the schedules specified in Permit Application Section II F, as determined by the Director.

2.14.5 Disposal or Decontamination of Equipment, Structures, and Soils

The Permittee shall decontaminate or ship offsite all contaminated equipment, structures, and soils, as required by 40 CFR 264.114 and the approved Closure Plan in Permit Application Section II F. In the event that not all structures, soils or equipment can be shipped offsite, the Permittee shall close the facility in accord with 40 CFR 264 Subpart N.

<sup>3</sup> These records may be kept at the Main Base Facility.

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2.14.6 Certification of Closure

The Permittee shall certify that a portion or all of the facility has been closed in accordance with the specifications in the Closure Plan (Permit Application Section II F), as required by 40 CFR 264.115.

**2.15 FINANCIAL REQUIREMENTS FOR FACILITY CLOSURE**

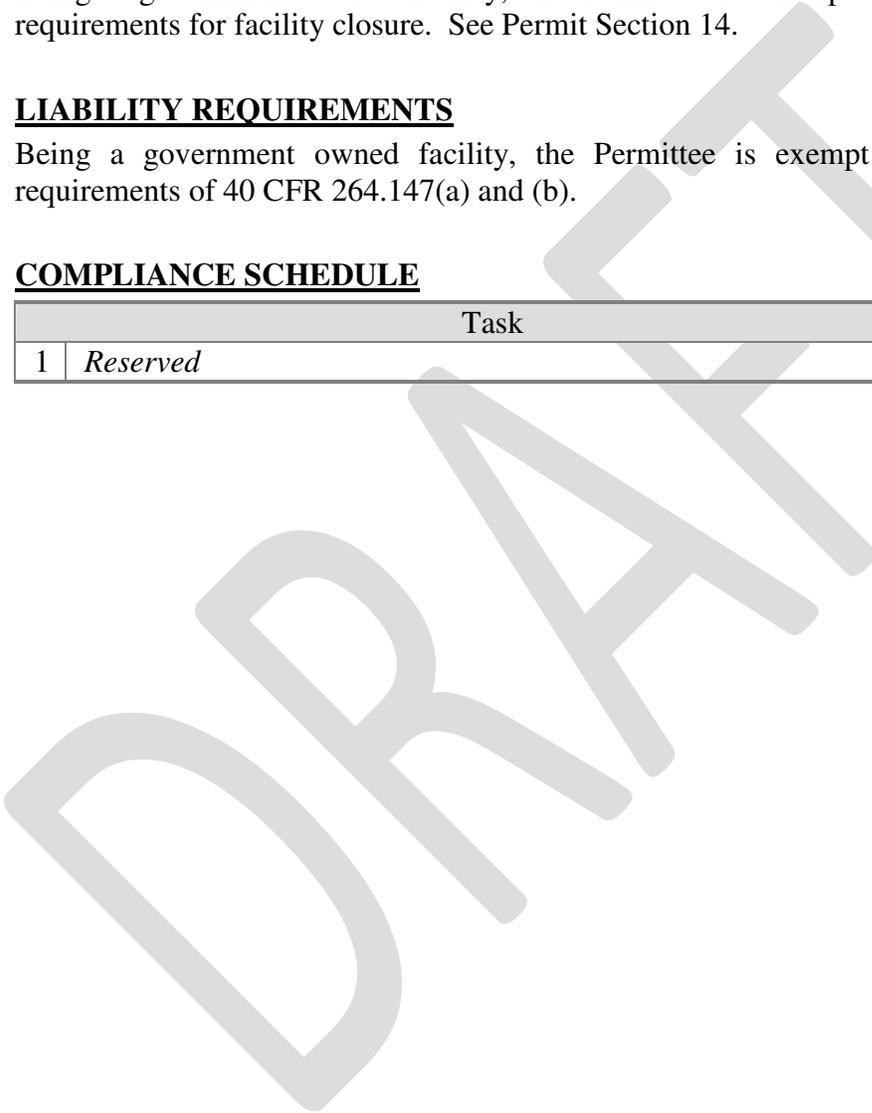
Being a government owned facility, the Permittee is exempt from the financial assurance requirements for facility closure. See Permit Section 14. *[40 CFR 264.140(c)]*

**2.16 LIABILITY REQUIREMENTS**

Being a government owned facility, the Permittee is exempt from the financial liability requirements of 40 CFR 264.147(a) and (b).

**2.17 COMPLIANCE SCHEDULE**

	Task	Date Due
1	<i>Reserved</i>	



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*Reserved for future use (Container Management Conditions).*

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*Reserved for future use (Tank Storage Conditions).*

<b>RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010</b>	<b>SECTION 5 RESERVED (TANK TREATMENT CONDITIONS)</b>	<b>RENEWAL September 2013</b>
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*Reserved for future use (Tank Treatment Conditions).*

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**6. SUMMARY**

The Hawthorne Army Depot (HWAD) New Bomb facility operates one Subpart X (i.e. Miscellaneous) Unit. The Subpart X Unit is an Open Detonation unit, comprised of twenty earthen bermed cells. This unit makes up most of the New Bomb facility and is used for deactivation by detonation of explosive munitions that are unserviceable, unstable, or where there is no market for reuse, recycling, or reutilization. When safety and regulatory requirements allow, explosive munitions will be processed or treated at the HWAD Western Area Demilitarization Facility (WADF) [EPA ID NV1210090006]. Explosive munitions treated at the New Bomb Unit must also satisfy the criteria specified by the Air Quality Operating Permit issued in accordance with NAC 445B.316 unless otherwise approved by the Administrator in accordance with NAC 445B.22067(2)(a).

The authorities for specific requirements of this section of the Permit are pursuant to 40 CFR 264.601. Unless there is a specific regulation adopted by reference and enumerated as required by 40 CFR 270.32, all permit conditions have been established pursuant to 40 CFR 264.601. This Unit is permitted under the Subpart X requirements of 40 CFR 264.600 and may include additional requirements pursuant to 40 CFR 270.32(b)(2), as described by the Division, for further protective measures for both human health and the environment.

**6.1 MISCELLANEOUS UNIT DESCRIPTION**

The Miscellaneous Unit and surrounding area is not permitted for the storage of hazardous waste.

**6.1.1 New Bomb Unit**

The New Bomb Unit is located on an area of approximately 743 acres and is surrounded by a buffer area of approximately 2,440 acres of Army-owned land. The New Bomb Unit consists of 20 earthen cells (10 on each side), at least 75 feet apart, at the north and south bases of an east-to-west oriented 185-foot high and 1,300 foot long ridge. The earthen cells are 20 feet by 6 feet. Treatment consists of placing the explosives, along with donor charges and demolition blocks, in the earthen cells and detonating them, in accordance with a specific safety protocol. Operation of the New Bomb unit is required to be performed in adherence to approved safety procedures and is restricted to specific meteorological conditions and maximum treatment amounts. Ongoing sampling of the soils for the presence of hazardous constituents contained in the explosives is required.

**6.2 PERMITTED AND PROHIBITED WASTE IDENTIFICATION AND PERMITTED CAPACITY – TREATMENT**

The Permittee may treat only those waste identified in Table 6.2, below, in the quantities listed.

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**Table 6.2 – Subpart X Unit**

Description	Permitted Throughput <sup>1</sup>	Permitted EPA Waste Codes
New Bomb	4000 lb/cell <sup>2</sup> [NEW] <sup>3</sup> 10 cells/day [NEW] 40,000 lb/day [NEW] 6,000,000 lb/yr <sup>4</sup> [NEW]	D003, D005, D006, D007, D008, D030

6.2.1 Unless the requirements of Permit Condition 6.2.1.1 are met, the Permittee may only open detonate, at New Bomb, the hazardous waste identified in Tables II-1, II-1A, II-2, II-3A and II-3B in Section II of the Permit Application.

6.2.1.1 Waste explosive not specifically listed in Tables II-1, II-1A, II-2, II-3A and II-3B in Permit Application Section II B.2 may be treated provided there is sufficient data to characterize each item. For waste explosives without sufficient characterization data and not listed in Tables II-1, II-1A, II-2, II-3A or II-3B of the Permit Application, the Permittee must provide written notification to the NDEP Administrator, prior to treatment, of the following information:

1. The munition item description;
2. The munition item DODAC or NSN#;
3. Reason the item cannot be demilitarized at HWAD Main Base Facility or other available explosives treatment facilities; and
4. Munition item chemical composition, if available, compared to representative munition class composition listed in Table II-3B of the Permit Application.

6.2.2 The Permittee is prohibited from treating the following hazardous wastes in the New Bomb Unit:

1. Waste that is not identified in Permit Condition 6.2.1;
2. Non-explosive wastes, with the exception of incidental munition containers that cannot be separated from munitions prior to detonation due to safety hazards;
3. Chemical or biological munitions, or related compounds;
4. Smokes and incendiaries, as listed in Permit Application Section II B.2.5;
5. Waste not generated under US Government and military control and originating at HWAD Main Base Facility;
6. Waste explosive munitions for which there is a market for reuse, recycling, reutilization or otherwise amenable to treatment or further processing at the HWAD Main Base Facility;
7. Waste explosive items that can be treated, within safety and Permit requirements, at the HWAD Main Base Facility; and

<sup>1</sup> These are Maximum Quantities, which may be limited further due to weather conditions, air quality operating permit requirements, facility closure schedule, or non-compliance with existing Permit Conditions.

<sup>2</sup> These are Maximum Quantities in Net Explosive Weight (NEW) and include the sum of the waste and donor explosive individual NEW values. For example, for an individual event, a pit that contains 3,000 lb NEW of waste munition is limited to 1,000 lb of donor NEW. These values may be limited further due to weather conditions, air quality operating permit requirements, facility closure schedule, or non-compliance with existing Permit Conditions.

<sup>3</sup> NEW is Net Explosive Weight.

<sup>4</sup> Annual Limit listed in Appendix D (New Bomb Air Permit) of the Permit Application.

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8. Waste explosive items that fail to satisfy the criteria specified by the Air Quality Operating Permit (No. AP9711-1134.02) unless approved by the Administrator, in accordance with NAC 445B.22067(2)(a).

### **6.3 CONTAINMENT**

As described in Section III A.2.2 (Run-On and Run-Off Management) of the Permit Application, berms between the cells prevent runoff from entering them and a drainage ditch drains water away from the cells. To maintain compliance, the berms and drainage ditch will be inspected and maintained during active quarters.

### **6.4 OPERATING REQUIREMENTS**

The New Bomb Unit shall be operated in accordance with the requirements of this Permit Section.

- 6.4.1 The Permittee shall comply with the Environmental Performance Standard provisions of 40 CFR 264.601 by following the operating procedures and controls described in Section III B (Environmental Performance Standards) of the Permit Application.
- 6.4.2 The Permittee shall operate in accordance with the Standard Operating Procedures (SOPs) provided in Appendix A of the Permit Application.
- 6.4.3 The Permittee shall maintain the New Bomb Unit in accordance with the design plans and specifications contained in Sections II A.6 (Description of Treatment Units), II C (Procedures to Prevent Hazards), II G (Protection of Groundwater), Section II H (Protection of Surface Water), III A (Process Information) and III C (Air Quality) of the Permit Application.
- 6.4.4 The Permittee shall maintain the New Bomb Unit and all associated equipment in accordance with the maintenance procedures contained in Section II A.6.3 of the Permit Application.
- 6.4.5 The Permittee shall only transport hazardous wastes to the New Bomb Facility that are scheduled to be treated on the same day<sup>5</sup> as they are transported. The Permittee must remove untreated munitions and unused explosive devices from the New Bomb Unit after each detonation. The untreated munitions and unused explosive devices must be stored in a permitted hazardous waste storage unit at the HWAD Main Base Facility.
- 6.4.5.1 Explosive loaded items and donor material shall be offloaded at least 10 feet from a pit and at least 10 feet from each other.
- 6.4.5.2 After all the explosives and donor material to be treated in a pit has been offloaded, the vehicle(s) shall be withdrawn from that pit.
- 6.4.5.3 The containers of explosives shall only be opened in a pit after the transport vehicle(s) has been withdrawn from that pit.
- 6.4.5.4 All containers of explosives shall be opened at least 10 feet from each other and from previously laid out material.

<sup>5</sup> If, due to weather, explosive waste is not able to be treated the same day it is transported, then 24-hour surveillance will be provided to assure that the waste remains undisturbed in the cells. This is described in the SOPs provided in Appendix A of the Permit Application.

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- 6.4.5.5 After each open detonation event, the area will be checked for unexploded munitions and kickout material; then the procedures described in SOP HW-0000-G-001 in Appendix A of the Permit Application will be carried out.
- 6.4.5.6 The pit area will be visually inspected daily for ammonium picrate (as exhibited by a yellow color), which will be removed and transferred to another pit for detonation on top of the items being destroyed, as described in SOP HW-0000-G-001 in Appendix A of the Permit Application.
- 6.4.6 As a condition of operating the New Bomb unit, the Permittee shall at all times properly operate and maintain the munition recycling facilities at the HWAD Main Base Facility. Proper operation and maintenance includes effective performance, adequate funding, and adequate operator staffing and training.

**6.5 INSPECTION SCHEDULES AND PROCEDURES**

- 6.5.1 The Permittee shall inspect the New Bomb Unit in accordance with the Inspection Schedule and Checklist described in Tables II-6 and II-8 of the Permit Application.
- 6.5.2 The Permittee shall inspect the New Bomb Unit in accordance with SOP HW-0000-G-001 in the SOPs provided in Appendix A of the Permit Application.
- 6.5.3 The Permittee shall inspect the meteorological monitoring station as described in Table II-7 of the Permit Application.
- 6.5.4 Prior to and after each open detonation event, the Permittee shall inspect the New Bomb Unit in accordance with Table II-8 (New Bomb Demolition Grounds Checklist) of the Permit Application.
- 6.5.5 The Permittee shall document compliance with Permit Conditions 6.5.1 through 6.5.5 and maintain copies of this documentation in the HWAD New Bomb operating record for the facility. *[40 CFR 264.73]*

**6.6 ENVIRONMENTAL MONITORING REQUIREMENTS**

**6.6.1 Soil Monitoring**

- 6.6.1.1 The Permittee shall conduct soil sampling and analysis once every six (6) months, regardless of operating or not, in accordance with Section II B.3 (Sampling and Analysis Plan) of the Permit Application.
- 6.6.1.2 The results of soil sampling and analysis shall be kept in the facility's operating records and made available to the Division staff for review during inspections. These results shall be in a tabular format, along with field and lab recordkeeping and QA/QC documentation.
- 6.6.1.3 In the event of a detection of one of the constituents being monitored, the following steps will be taken:
  - 6.6.1.3.1 Note the location of the detection (i.e. GPS units).
  - 6.6.1.3.2 Within 30 days of the detection, submit a letter to the Division with the sampling date, location and detection value as a notification about the detection.
  - 6.6.1.3.3 Within the next quarter, complete the following tasks:

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1. Take samples in the area surrounding the detection location to determine the extent of the soil contamination.
2. Take samples, at different depths, at the same location as the original detection, to determine the depth of the soil contamination.
3. Submit to the Division a report summarizing the extent and depth of the soil contamination and a Corrective Action Plan for cleaning or removing the contaminated soil.

- 6.6.1.3.4 Within 3 months of receiving approval from the Director, implement the Corrective Action Plan.
- 6.6.1.3.5 Submit a report to the Director describing the Corrective Action activities and results, including confirmatory sampling results showing that the soil contamination has been eliminated.
- 6.6.1.3.6 Take samples at the same location during future sampling events, and continue until two consecutive semi-annual samples come back as non-detects.

**6.7 RECORDKEEPING AND REPORTING**

- 6.7.1 The Permittee shall record and maintain, in the operating record for this permit, all monitoring, maintenance, inspection, calibration and testing data compiled under the requirements of this Permit. *[40 CFR 264.73 and 264.602]*
- 6.7.2 The Permittee shall submit to the Director the analytical and field data results required by Permit Condition 6.6 in accordance with Table 6.7, below. The data shall be reported in tabular and electronic file format, as approved by the Director, with maps showing the sampling grids and approximate sample locations.

**Table 6.7**

	<i><b>Bi-Annual Period</b></i>	<i><b>Due Date</b></i>
1	January 1 – June 30	September 30
2	July 1 – December 31	March 30

- 6.7.3 The Permittee shall maintain records of inspections performed as outlined in Permit Conditions 6.5.1 through 6.5.5. *[40 CFR 264.602]*

**6.8 CLOSURE AND POST-CLOSURE CARE**

- 6.8.1 At closure of the New Bomb Unit, the Permittee shall follow the procedures in Section II F (Closure and Post-Closure Plans) of the Permit Application, and the conditions below. *[40 CFR 264.114]*
- 6.8.2 If the Permittee is unable to attain a clean closure, a revised closure plan will be submitted with post-closure requirements, as described in Section II F.3 (Post-Closure Plan) of the Permit Application.

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**6.9 COMPLIANCE SCHEDULE**

The Permittee shall perform the following task(s) by the listed due date(s):

	<b>Task</b>	<b>Date Due</b>
1	<b>Submit</b> a permit modification for appropriate changes in the facility design and Operating Plan (procedures) for the expressed purpose to prevent and preclude potential washout and migration of any munition debris and munition constituents associated with the ongoing activities at the New Bomb facility as identified in the June 10, 2013 Dept of Army letter to NDEP’s Bureau of Corrective Action. Modifications to be considered shall include reductions in allowable quantities and type of waste munitions being treated, improvements to the treatment cell containment and capture measures, increased frequency for sweeps of the immediate area to characterize and collect any resulting debris, and the installation of additional surface water controls to capture runoff and ensure that all debris is captured within the facility and then removed for proper disposal.	Within 90 days of Permit issuance.
2	<b>Complete</b> the soil sampling and analyses described in the <i>Addendum to the Human Health and Ecological Risk Assessment (HHERA)</i> ; and as committed during the December 6, 2012 conference call.	Within 6 months of Permit issuance.
3	<b>Complete</b> an Ecological Impact Survey to supplement the HHERA, as discussed during the December 6, 2012 conference call.	Within 6 months of Permit issuance.
4	<b>Submit</b> the revised HHERA Report with the Addendum data referenced in Item 1 and the ecological survey results reference in Item 2, above, to NDEP for review and acceptance.	Within 12 months of Permit issuance.
5	<i>Reserved</i>	

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*Reserved for future use (LDR or Incinerator Conditions).*

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**8. SUMMARY**

The US EPA’s National Waste Minimization Program supports efforts that promote a more sustainable society, reduce the amount of waste generated, and lower the toxicity and persistence of wastes that are generated. The Permittee is required to conduct a Waste Minimization Program in accordance with this Section of the Permit and Section III A.8 (Waste Minimization) of the Permit Application.

**8.1 WASTE MINIMIZATION RECORD**

The Permittee shall maintain at the facility copies of waste minimization documents required in Permit Conditions 8.2 and 8.3 and shall make them available to any authorized representative of NDEP or USEPA conducting an inspection pursuant to 40 CFR 270.32(b).

**8.2 WASTE MINIMIZATION CERTIFICATION**

The Permittee shall annually certify in accordance with 40 CFR 264.73(b)(9):

1. The Permittee has a program in place to reduce the volume and toxicity of all hazardous wastes which are generated by the facility operations to the degree, determined by the Permittee, to be economically practicable; and,
2. The method of treatment, storage, or disposal is the only practicable method or combination of methods currently available to the facility, which minimizes the present and future threat to human health and the environment.
3. This certification shall be retained with the facility's operating record and shall comply with the signatory requirements of Permit Condition 1.5.13.
4. The Permittee shall send a copy of the annual certification to Director.

**8.3 SOURCE REDUCTION PLANS AND REPORTS**

**8.3.1 Source Reduction Evaluation Review and Plan**

At each permit renewal, the Permittee shall submit a source reduction evaluation review and plan to the Director. The review and plan should be conducted and prepared in accordance with the procedures and format provided in the EPA Waste Minimization Opportunity Assessment Manual or other equivalent source reduction guidance. Additional industry specific source reduction guidance is available from both the EPA and the State. The review and plan shall include, at a minimum, the following: *[40 CFR 270.32(b)]*

1. The name and location of the facility.
2. The NAIC/SIC Code of the facility.
3. A copy of any written company policy or statement that outlines the general goals, objectives, and methods of source reduction to be implemented within the next five years.
4. Identification of all routinely generated hazardous waste streams, which result from ongoing processes or operations. For the purposes of this paragraph, a hazardous waste stream is to be included if it meets the following criteria:
  - i. It is a hazardous waste stream processed in a wastewater treatment unit which

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- discharges to a publicly owned treatment works or under a national pollutant discharge elimination system (NPDES) permit and its weight before treatment exceeds 5 percent of the weight of the total yearly volume of hazardous waste generated at the site; or
- ii. It is a hazardous waste stream which is not processed in a wastewater treatment unit and its weight exceeds 5 percent of the weight of the total yearly volume of hazardous waste generated at the site, less the weight of any hazardous waste stream identified in Permit Condition 8.3.1.4.i.
5. For each hazardous waste stream identified in Permit Condition 8.3.1.4, the following information shall be included:
    - i. An estimate of the quantity of hazardous waste generated; and
    - ii. An evaluation of source reduction approaches available to the Permittee, which are potentially viable. The evaluation shall consider, at a minimum, the following source reduction approaches:
      - (1) Input change;
      - (2) Operational improvement;
      - (3) Production process change; and
      - (4) Product reformulation.
  6. Any source reduction and/or recycling measure implemented by the Permittee in the last five years.
  7. A specification of, and a rationale for, the technically feasible and economically practicable source reduction measures which will be taken by the Permittee with respect to each waste stream identified. The review and plan shall fully document any statement explaining the Permittee's rationale for rejecting any available source reduction approach identified in Permit Condition 8.3.1.5.<sup>i</sup>
  8. A detailed description of any programs the Permittee may have to assist generators of hazardous waste in reducing the volume or quantity and toxicity of waste they produce.
  9. An evaluation, and, to the extent practicable, a quantification, of the effects of the chosen source reduction method on emissions and discharges to the air, water, or land environmental mediums.
  10. A description of employee training programs and employee incentive programs for source reduction, which may be in effect at the facility.
  11. A timetable for making reasonable and measurable progress towards implementation of the selected source reduction measures identified in Permit Condition 8.3.1.7.
  12. A summary of the source reduction evaluation review and plan.
  13. Certification of the review and plan, and the summary by a qualified Professional Engineer, by an individual who is responsible for the processes and operation of the facility, or by an environmental assessor who has demonstrated expertise in hazardous waste management. The engineer, individual, or assessor shall certify the review, the plan and the summary only if the review, the plan and the summary meet all the requirements of Permit Condition 8.3.1.

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<sup>i</sup> **Note:** NDEP does not consider a source reduction method to be valid if it merely switches the waste load from one environmental medium (air, water, or land) to another.

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### 8.3.2 Certification of Plan Implementation

At the time the review and plan required by Permit Condition 8.3.1 are submitted to the Director, the Permittee shall also submit a written statement from a responsible official of the facility certifying that the Permittee has implemented, is implementing, or will be implementing, the source reduction measures identified in the source reduction plan according to the implementation schedule contained in the plan.

8.3.2.1 The Permittee may determine not to implement a measure selected pursuant to Permit Condition 8.3.1.7 only if the Permittee determines, upon conducting further analysis or due to unexpected circumstances, that the selected measure is not technically feasible or economically practicable, or if attempts to implement that measure reveal that the measure would result in, or has resulted in, any of the following: *[40 CFR 264.73(b)(9)]*

1. An increase in the generation of waste (hazardous and solid).
2. An increase in the release of hazardous chemicals to other environmental media.
3. Adverse impacts on product quality.
4. A significant increase in the risk of an adverse impact to human health or the environment.

### 8.3.3 Source Reduction Plan and Plan Summary Amendments

If the Permittee elects not to implement the measures selected pursuant to Permit Condition 8.3.1.7, the Permittee shall amend its review and plan, and its summary to reflect this rejection and include in the review and plan, and in the summary, proper documentation identifying the rationale for this rejection. Any amendments to the review and plan or the plan summary shall be submitted to the Director no later than 30 days prior to implementation of the changes.

*[40 CFR 270.32(b)]*

### 8.3.4 Hazardous Waste Management Performance Report

Within one (1) year of the effective date of this permit and every year thereafter, the Permittee shall prepare a hazardous waste management performance report documenting hazardous waste management approaches implemented at the facility. The report shall be prepared in accordance with the EPA Waste Minimization Opportunity Assessment Manual or other equivalent source reduction guidance. The report shall include, at a minimum, the following: *[40 CFR 270.32(b)]*

1. The name and location of the facility
2. The SIC Code for the facility
3. The following information for each waste stream identified pursuant to Permit Condition 8.3.1.4:
  - i. An estimate of the quantity of hazardous waste generated and the quantity of hazardous waste managed by the Permittee during the current reporting year and the baseline year. The current reporting year is the calendar year immediately preceding the year in which the report is to be prepared. For the initial report, the baseline year is any calendar year selected by the Permittee for which substantial data is available on waste generation, or on-site or off-site management. Alternatively, the Permittee may select the current reporting year as the initial baseline year. For all subsequent

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reports, the baseline year is the current reporting year of the immediately preceding report.

- ii. An assessment of the effect, during the current year, of each hazardous waste management measure implemented since the baseline year, upon the generation and the on-site and off-site management of hazardous waste. For the initial report, the assessment of the effect required by this condition shall be made for the current year in general terms for any waste management measures implemented in the preceding five years. The report shall consider, but shall not be limited to, measures which use the following approaches:
  - a. Source reduction
  - b. Recycling
  - c. Treatment
- iii. A description of factors during the current reporting year that have affected hazardous waste generation and on-site and off-site hazardous waste management since the baseline year. For the initial report, the description of factors shall be made in general terms for those factors affecting generation and management in the preceding five years. The description shall include, but is not limited to, any of the following:
  - a. Changes in business activity
  - b. Changes in waste classification
  - c. Natural phenomena
  - d. Other factors that have affected either the quantity of hazardous waste generated or on-site and off-site hazardous waste management requirements
- iv. A description of any factors, which may have prevented implementation of any aspect of the source reduction plan.
4. A summary of the hazardous waste management performance report.
5. Certification of the report and summary by an individual who is responsible for the processes and operations of the facility who has demonstrated expertise in hazardous waste management. The individual shall certify the report and summary only if the report and summary meet all the requirements of Permit Condition 8.3.4.

#### **8.4 SPECIFIC WASTE MINIMIZATION CONDITIONS**

The Permittee shall at all times properly operate and maintain munition recycling facilities at the HWAD Main Base Facility. Proper operation and maintenance includes effective performance, adequate funding, and adequate operator staffing and training.

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*Reserved for future use (Organic Air Emission Conditions).*

<b>RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010</b>	<b>SECTION 10 <i>RESERVED</i> (<i>GROUNDWATER DETECTION MONITORING</i>)</b>	<b>RENEWAL September 2013</b>
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*Reserved for future use (Groundwater Detection Monitoring).*

<b>RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010</b>	<b>SECTION 11 <i>RESERVED</i> (<i>GROUNDWATER COMPLIANCE MONITORING</i>)</b>	<b>RENEWAL September 2013</b>
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*Reserved for future use (Groundwater Compliance Monitoring).*

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## 12A SUMMARY

Prior to the issuance of this Permit, no corrective action activities had been identified for the regulated units. However, by letter dated June 10, 2013, the Permittee advised the Nevada Division of Environmental Protection that at a remedial investigation conducted under the Military Munitions Response Program (MMRP) recently identified that munition associated debris was present in 'kick-out' areas near the New Bomb facility. The US Army determination concluded that since the area is being impacted by ongoing operations at the RCRA-permitted New Bomb facility that any remedial efforts would be ineligible for Defense Environmental Restoration Program (DERP) funding. The Permittee requested that removal of the existing munition debris both from within the fenced operational boundary and from the "kick-out" areas identified in the *Remedial Investigation Report, Hawthorne Army Depot, Kickout Outside New Bomb Area Munitions Response Site*, dated May 2012 and as prepared by Parsons, be incorporated as a corrective measure within the facility's RCRA Permit. As such, the Permittee will be required to conduct the corrective action activities for regulated units as identified in this section.

### 12A.1 COMPLIANCE SCHEDULE

The Permittee shall perform the following task(s) by the listed due date(s):

	<b>Task</b>	<b>Date Due</b>
1	<b>Conduct</b> surveys of the surface areas extending from the New Bomb treatment units to the fenced perimeter of the facility to identify, characterize and quantify all debris.	Within 6 months of Permit issuance
2	<b>Remove</b> all readily-identifiable surface debris from the both the survey area per Item 1 above (within the fenced boundary) and as identified in the MMRP investigation of the 'kick-out' area (outside of the fence boundary).	Within 9 months of Permit issuance
3	<b>Prepare</b> and <b>provide</b> to NDEP for review a Remedial Removal Report that summarizes all efforts completed by the Permittee to identify, classify and remove any discovered debris near the New Bomb facility. To the extent possible, the report should quantify the volume of collected debris by munition type and age, as well as the final disposition. The report shall also identify the regions of highest discovered debris density with the objective to highlight potential pathways of contaminant migration. Based upon the resulting removal experience, the report shall provide recommendations focused towards preventing continued debris accumulation and to reduce the need for any future remedial activities.	Within 12 months of Permit issuance
4	<i>Reserved</i>	

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## **12B SUMMARY AND APPLICABILITY**

The objective of the corrective action program at a permitted hazardous waste management facility is to evaluate the nature and extent of releases of hazardous waste and/or constituents and, if necessary, implement corrective measures to clean up the releases and protect human health and the environment. The Permittee is required to implement corrective action in accordance with 40 CFR 264.101 and the conditions of this Permit. The Permittee shall follow applicable guidance, including but not limited to, the RCRA Corrective Action Plan, EPA 520-R-94-004, dated May 1994 (or most recent version).

### **12B.1 AUTHORITY**

RCRA Section 3004(u) and 40 CFR 264.101, as adopted in NAC 444.8632, require that all hazardous waste permits issued by the Division address corrective action for all releases of hazardous waste or hazardous constituents from any Solid Waste Management Unit (SWMU) at the facility, regardless of when the waste was placed in the unit or whether the unit is closed. These regulations further require that hazardous waste permits contain schedules of compliance for corrective action, where such corrective action cannot be completed prior to issuance of the permit.

NAC 445A.121 sets the standards applicable to all waters of the state and will be used to evaluate the impacts of any releases. NRS 445A.575 and 445A.465 are the statutes which define the authority of the Division to regulate the discharge of hazardous constituents to the waters of the state.

Section 301(c) of the Federal Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) defines the area under the facility to be natural resources managed or controlled by the State of Nevada.

### **12B.2 RCRA/CERCLA INTEGRATION**

12B.2.1 The Parties intend to integrate the Army's CERCLA response obligations and RCRA corrective Action obligations which relate to the release(s) of hazardous substances, hazardous wastes, pollutants or contaminants covered in this permit. Remedial activities covered under this permit satisfy the corrective action requirements of Section 3004(u) and (v) of RCRA, 42 U.S.C. § 6924(u) and (v), achieve compliance with CERCLA, 42 U.S.C. § 9601 *et seq*; and meet and exceed all applicable or relevant and appropriate federal and state laws and regulations, to the extent required by Section 121 of CERCLA, 42 U.S.C. § 9621.

12B.2.2 Based upon the foregoing, the Parties intend that any corrective action selected under the RCRA permit will be considered under CERCLA as a deferral to RCRA for any CERCLA response needed to address any release(s) of hazardous substances, hazardous wastes, pollutants or contaminants at HWAD.

12B.2.3 The Parties intend also that sites receiving a CERCLA response will be treated under the RCRA permit as a deferral to CERCLA for any RCRA corrective action requirements under

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the permit for the release(s) of hazardous substances, hazardous wastes, pollutants or contaminants at HWAD.

12B.2.4 The Parties agree that with respect to any releases of hazardous substances, hazardous wastes, pollutants or contaminants deferred to CERCLA under this permit, RCRA shall be considered an applicable or relevant and appropriate requirement pursuant to section 121 of CERCLA, 42 U.S.C. §9621.

12B.2.5 The Parties recognize the requirement to obtain permits for response actions at those sites deferred to CERCLA under this permit shall be as provided for in CERCLA and the National Oil and Hazardous Substances Contingency Plan (NCP).

**12B.3 SUMMARY AND HISTORY OF CORRECTIVE ACTION**

A 1996 subservice investigation showed no groundwater for up to 200 feet below the ground surface. Past surface soil analysis showed low levels of metals and explosive compounds. Soil monitoring will continue to be done, as described in Permit Application Section II B.3 (Sampling and Analysis Plan). No corrective action is currently being scheduled at the New Bomb facility.

**12B.4 CORRECTIVE ACTION FOR SWMUS AND AOCs**

The Permittee must institute corrective action, as necessary, to protect human health and the environment for all releases of hazardous waste or constituents from any SWMU at the facility, regardless of the time at which the waste was placed in the unit.

Corrective action shall be specified in accordance with this permit section. This section will contain schedules of compliance for such corrective action.

12B.4.1 SWMUs and AOCs Identified by the RFA

Previous facility assessments, subsequent investigations, or other means have identified the SWMUs and areas of concern (AOCs) at the New Bomb Facility. The current SWMUs and AOCs are listed in Table 12B.3a through 12B.3e, below.<sup>1</sup>

**Table 12B.3a – SWMUs Regulated under 40 CFR 264 (RCRA-regulated units)**

SWMU/AOC No.	SWMU Name
1	New Bomb Unit
2	<i>Reserved</i>

**Table 12B.3b – SWMUs and AOCs Requiring No Further Action at this Time**

SWMU/AOC No.	SWMU/AOC Name
HWAAP-I01	New Bomb Landfill
<i>Reserved</i>	<i>Reserved</i>

<sup>1</sup> Tables 12B.3a through 12B.3f show the status of the SWMUs and AOCs at the time this permit was issued. Status information is maintained by the NDEP Bureau of Corrective Action (BCA), Department of Defense Branch. Detailed descriptions of most of the SWMUs and AOCs which require corrective action activities are found in Permit Section 12B.6.

RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010	<b>SECTION 12B</b> <b>CORRECTIVE ACTION CONDITIONS</b> <b>FOR SWMU &amp; AOC</b>	RENEWAL September 2013
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**Table 12B.3c – SWMUs and AOCs Requiring a RCRA Facility Investigation (RFI)**

SWMU/AOC No.	SWMU/AOC Name
<i>Reserved</i>	<i>Reserved</i>

**Table 12B.3d – SWMUs and AOCs Requiring a Corrective Measures Study**

SWMU/AOC No.	SWMU/AOC Name
<i>Reserved</i>	<i>Reserved</i>

**Table 12B.3e – SWMUs and AOCs Requiring a Corrective Measures Implementation Plan**

SWMU/AOC No.	SWMU/AOC Name
<i>Reserved</i>	<i>Reserved</i>

**Table 12B.3f – SWMUs and AOCs in Corrective Action**

SWMU/AOC No.	SWMU/AOC Name
<i>Reserved</i>	<i>Reserved</i>

12B.4.2 Additional SWMUs or AOCs

Additional SWMUs or AOCs may be discovered during the course of groundwater monitoring, soil monitoring, field investigations, environmental audits, releases or other means.

12B.4.3 Contamination beyond Facility Boundary

The Permittee shall implement corrective actions beyond the facility boundary where necessary to protect human health and the environment, unless the Permittee demonstrates, to the satisfaction of the Director, that, despite the Permittee’s best efforts, as determined by the Director, the Permittee was unable to obtain the necessary permission to undertake such actions. The Permittee is not relieved of responsibility to clean up a release that has migrated beyond the facility boundary where off-site access is denied. On-site measures to address such releases will be determined on a case-by-case basis. *[40 CFR 264.110(c)]*

**12B.5 NOTIFICATION AND ASSESSMENT REQUIREMENTS FOR NEWLY-IDENTIFIED SWMUS, AOCs AND RELEASES**

12B.5.1 Notification

The Permittee shall notify the Director in writing, within fifteen (15) calendar days of discovery, of any additional SWMUs, AOCs and/or releases of hazardous waste discovered under Permit Condition 12B.4.2. The notification shall include, at a minimum:

1. A unique sequential identification number for the SWMU, AOC or release;
2. The location of the SWMU, AOC or release; and
3. All available information pertaining to the nature of the release (e.g., media affected, hazardous constituents released, magnitude of release, etc.).

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#### 12B.5.2 Assessment Report (AR)

The Permittee shall prepare and submit to the Director, within ninety (90) calendar days of notification, an Assessment Report (AR) for each SWMU, AOC or release identified under Permit Condition 12B.3.2. At a minimum, the AR shall provide the following information:

1. The unique sequential identification for the SWMU, AOC or release;
2. Location of the unit(s)/area(s) on a topographic map of appropriate scale, such as required under 40 CFR 270.14(b)(19);
3. Designation of type and function of unit(s) and/or use of area(s);
4. General dimensions, capacities and structural description of unit(s)/area(s) (supply any available plans/drawings);
5. Dates the unit(s)/area(s) was operated/used;
6. Specification of all wastes that have been managed at/in the unit(s)/area(s), to the extent available. Include any available data on 40 CFR 261 Appendix VIII or 40 CFR 264 Appendix IX constituents contained in the wastes; and
7. All available information pertaining to any release of hazardous waste or hazardous constituents from such unit(s)/area(s) (including groundwater, soil, air, surface water, and/or sediment data).

#### 12B.5.3 Director's Determination

The Director shall determine the need for further investigations at the SWMU(s), AOC(s) or release site(s) covered in the AR. If the Director determines that such investigations are needed, the Permittee shall prepare a plan for such investigations. If the Director determines further investigation of the SWMU(s), AOC(s) or releases site(s) is required, the Permittee shall submit an application for a Permit modification, in accordance with 40 CFR 270 Subpart D.

### **12B.6 WORK TO BE PERFORMED**

In the event of a release of a hazardous waste or constituent, or a requirement for conducting corrective action by way of the Division, the Permittee shall complete the following:

#### 12B.6.1 RCRA Facility Assessment (RFA)

The Permittee shall complete a RCRA Facility Assessment (RFA) identifying the type of hazardous waste or constituents released, the location of the release, and any potential pathways. The Permittee shall submit this information to the Division in a written report.

#### 12B.6.2 RCRA Facility Investigation (RFI)

The Permittee shall complete a RCRA Facility Investigation (RFI) characterizing the nature and extent of the release identified in the RFA. This information will be submitted to the Division in a written report.

#### 12B.6.3 Corrective Measures Study (CMS)

If the Division determines that a corrective action is necessary, the Permittee shall conduct a Corrective Measures Study (CMS) to determine the most effective cleanup alternative. The

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purpose of the CMS is to identify and recommend specific corrective measures that will adequately correct the release. Remedy selection is the determination of which cleanup action will be implemented to correct the release and the time frames in which it must be implemented. The Permittee shall submit this information to the Division in a written report.

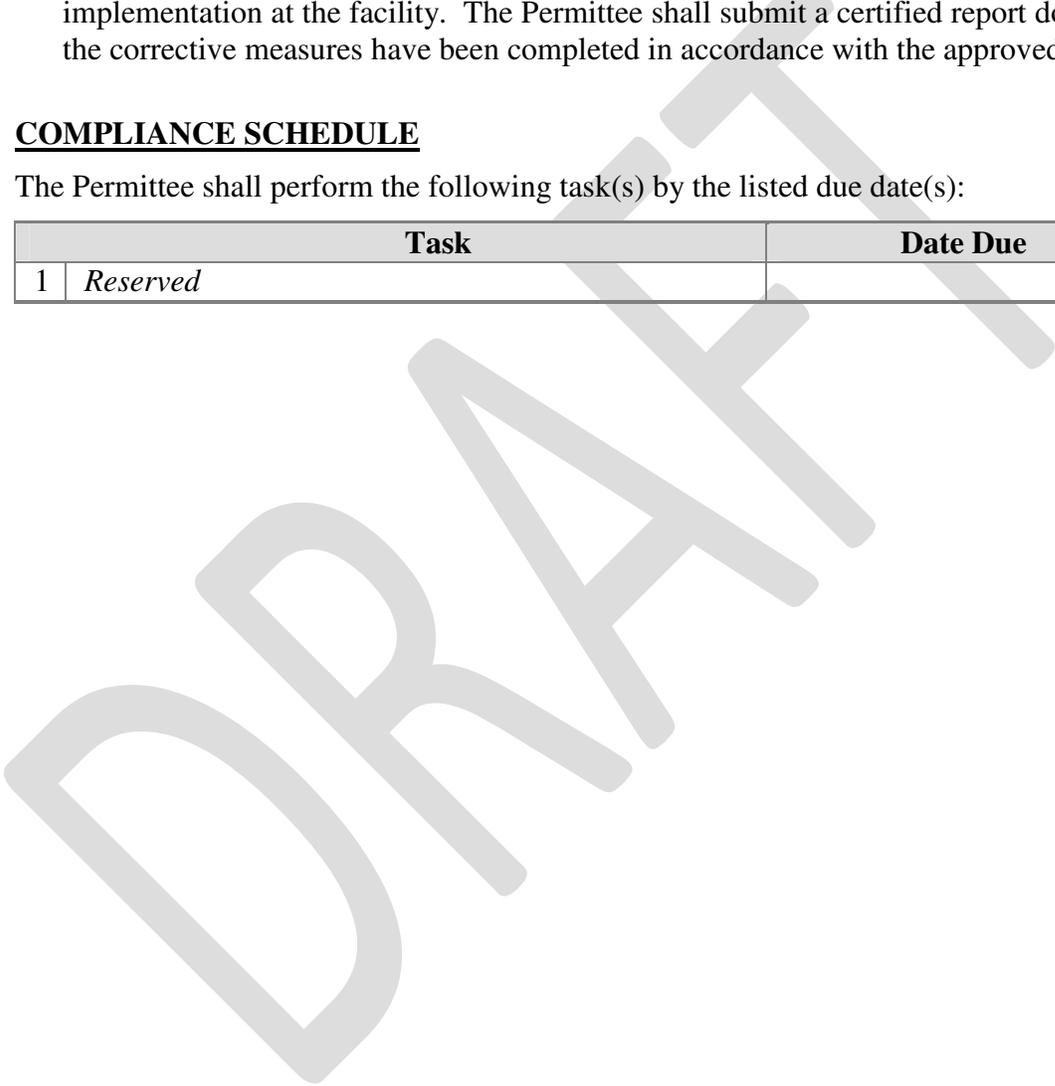
**12B.6.4 Corrective Measures Implementation (CMI)**

After the Division evaluates the corrective measure alternatives presented in the approved CMS Report, the Division will propose or accept a corrective measure (or measures) for implementation at the facility. The Permittee shall submit a certified report documenting that the corrective measures have been completed in accordance with the approved remedy.

**12B.7 COMPLIANCE SCHEDULE**

The Permittee shall perform the following task(s) by the listed due date(s):

	<b>Task</b>	<b>Date Due</b>
1	<i>Reserved</i>	



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### 13. **SUMMARY**

This part of the Permit pertains to post-closure care required of the Permittee in the event that clean closure is not obtained for the New Bomb unit. This is not expected since operating and closure practices defined in Permit Section 6 are designed to allow for clean closure at the unit. The contingent post-closure plan for this unit consists of: maintaining existing fencing around the unit and submitting a detailed post-closure plan to the Division when it is determined by the Division that it is not possible for the Permittee to clean close the unit. After the detailed post-closure plan is reviewed and approved by the Division, the Permittee shall be responsible for following the approved plan.

#### 13.1 **UNIT IDENTIFICATION**

If, upon closure, the Division requires that post-closure activities be performed, the Permittee shall provide post-closure care for the New Bomb unit described in Permit Section 6, subject to the terms and conditions of this Permit.

#### 13.2 **POST-CLOSURE PROCEDURES AND USE OF PROPERTY**

13.2.1 The Permittee shall conduct post-closure care for each hazardous waste management unit listed in Permit Condition 13.1, above, to begin after completion of closure of the unit and continue for 30 years after closure of the last unit listed above. The 30-year post-closure care period may be shortened upon application and demonstration approved by the Director that the facility is secure, or may be extended by the Director if he finds this is necessary to protect human health and the environment. *[40 CFR 264.117(a)]*

13.2.2 The Permittee shall control wind dispersal of hazardous waste as required under 40 CFR 264.273(f).

13.2.3 The Permittee shall comply with all security requirements by maintaining the fence and signs described in Section II C.1 of the Permit Application. *[40 CFR 264.117(b)]*

13.2.4 If the Director makes a determination that post-closure activities are to be performed for the unit, a detailed post-closure plan shall be prepared and submitted to the Director within 90 days of the effective date of such determination. All post-closure care activities must be conducted in accordance with the provisions of the Director-approved detailed post-closure plan. *[40 CFR 264.117(d) and 264.118(b)]*

#### 13.2.5 Inspections

The Permittee shall inspect the fence at least monthly, and inspect all components, structures, and equipment at the site in accordance with an Inspection Schedule included in the post-closure plan approved under condition 13.2.4. *[40 CFR 264.117(a)(1)(ii)]*

#### 13.3 **POST-CLOSURE PERMIT MODIFICATIONS**

The Permittee must request a permit modification to authorize a change in the Post-Closure Plan approved under Permit Condition 13.2.4. This request must be in accordance with applicable

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requirements of Permit Condition 1.2, and must include a copy of the proposed amended Post-Closure Plan for approval by the Director. The Permittee shall request a permit modification whenever changes in operating plans or facility design affect the approved Post-Closure Plan, there is a change in the expected year of final closure, or other events occur during the active life of the facility that affect the approved Post-Closure Plan. The Permittee must submit a written request for a permit modification at least 60 days prior to the proposed change in facility design or operation, or no later than 60 days after an unexpected event has occurred which has affected the Post-Closure Plan. *[40 CFR 264.118(d)]*

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<b>RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010</b>	<b>SECTION 14 FINANCIAL ASSURANCE CONDITIONS</b>	<b>RENEWAL September 2013</b>
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**14. SUMMARY**

The permitted facility is owned by the Federal Government and, as stated in 40 CFR 264.140(c), is not required to comply with the Financial Assurance requirements, nor maintain financial assurance mechanism(s) to cover Closure Costs, nor obtain an Insurance Plan to cover Sudden Liability for the facility. *[40 CFR 264.140(c)]*

**14.1 APPLICABILITY**

As described in 40 CFR 264.140(c), States and the Federal government are exempt from the requirements of 40 CFR 264 Subpart H (Financial Requirements). Since the Permittee is a federally owned facility, it is exempt from the Financial Requirements.

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<b>RCRA PERMIT</b> <b>NEVHW0027</b> <b>HWAD NEW BOMB</b> <b>EPA ID# NV5210090010</b>	<b>PERMIT ATTACHMENT 1A</b>	<b>RENEWAL</b> <b>September 2013</b>
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**RCRA Permit Renewal Application, Part A** *(attached)*

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<p><b>ND COMPLETED FORM TO:</b> The Appropriate State or Regional Office.</p>	<p><b>United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM</b></p>		
<p><b>1. Reason for Submittal</b></p> <p>MARK ALL BOX(ES) THAT APPLY</p>	<p><b>Reason for Submittal:</b></p> <p><input type="checkbox"/> To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)</p> <p><input type="checkbox"/> To provide a Subsequent Notification (to update site identification information for this location)</p> <p><input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application</p> <p><input checked="" type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____)</p> <p><input type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</p> <p><input type="checkbox"/> Site was a TSD facility and/or generator of <math>\geq 1,000</math> kg of hazardous waste, <math>&gt; 1</math> kg of acute hazardous waste, or <math>&gt; 100</math> kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)</p>		
<p><b>2. Site EPA ID Number</b></p>	<p>EPA ID Number <input type="text" value="N"/> <input type="text" value="V"/> <input type="text" value="5"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="0"/></p>		
<p><b>3. Site Name</b></p>	<p>Name: New Bomb</p>		
<p><b>4. Site Location Information</b></p>	<p>Street Address: SE 1/4, Section 33, Township 5 North, Range 30 East</p> <p>City, Town, or Village: 22 miles south of Hawthorne County: Mineral</p> <p>State: Nevada Country: USA Zip Code: 89415</p>		
<p><b>Site Land Type</b></p>	<p><input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>		
<p><b>6. NAICS Code(s) for the Site (at least 5-digit codes)</b></p>	<p>A. <input type="text" value="9"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="0"/></p> <p>B. <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p> <p>C. <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p> <p>D. <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p>		
<p><b>7. Site Mailing Address</b></p>	<p>Street or P.O. Box: 1 South Maine Ave, Bldg 5</p> <p>City, Town, or Village: Hawthorne</p> <p>State: Nevada Country: USA Zip Code: 89415</p>		
<p><b>8. Site Contact Person</b></p>	<p>First Name: Bausman MI: Last: Kirk</p> <p>Title: Deputy to the Commander</p> <p>Street or P.O. Box: 1 South Maine Ave</p> <p>City, Town or Village: Hawthorne</p> <p>State: Nevada Country: USA Zip Code: 89415</p> <p>Email: kirk.l.bausman.civ@mail.mil</p> <p>Phone: 775-945-7002 Ext.: Fax: 775-945-7948</p>		
<p><b>9. Legal Owner and Operator of the Site</b></p>	<p>A. Name of Site's Legal Owner: U.S. Department of Army Date Became Owner: 10/27/1926</p> <p>Owner Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> <p>Street or P.O. Box: 1 South Maine Ave</p> <p>City, Town, or Village: Hawthorne Phone: 775-945-7002</p> <p>State: Nevada Country: USA Zip Code: 89415</p> <p>B. Name of Site's Operator: SOC Nevada LLC Date Became Operator: 01/01/2011</p> <p>Operator Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>		

**10. Type of Regulated Waste Activity (at your site)**  
 Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

**A. Hazardous Waste Activities; Complete all parts 1-10.**

- Y  N  **1. Generator of Hazardous Waste**  
 If "Yes", mark only one of the following - a, b, or c.
- a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.
- b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo) of non-acute hazardous waste.
- c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.

If "Yes" above, indicate other generator activities in 2-4.

- Y  N  **2. Short-Term Generator** (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.
- Y  N  **3. United States Importer of Hazardous Waste**
- Y  N  **4. Mixed Waste (hazardous and radioactive) Generator**

- Y  N  **5. Transporter of Hazardous Waste**  
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)
- Y  N  **6. Treater, Storer, or Disposer of Hazardous Waste** Note: A hazardous waste Part B permit is required for these activities.
- Y  N  **7. Recycler of Hazardous Waste**
- Y  N  **8. Exempt Boiler and/or Industrial Furnace**  
 If "Yes", mark all that apply.
- a. Small Quantity On-site Burner Exemption
- b. Smelting, Melting, and Refining Furnace Exemption
- Y  N  **9. Underground Injection Control**
- Y  N  **10. Receives Hazardous Waste from Off-site**

**B. Universal Waste Activities; Complete all parts 1-2.**

- Y  N  **1. Large Quantity Handler of Universal Waste** (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.
- a. Batteries
- b. Pesticides
- c. Mercury containing equipment
- d. Lamps
- e. Other (specify) \_\_\_\_\_
- f. Other (specify) \_\_\_\_\_
- g. Other (specify) \_\_\_\_\_

- Y  N  **2. Destination Facility for Universal Waste**  
 Note: A hazardous waste permit may be required for this activity.

**C. Used Oil Activities; Complete all parts 1-4.**

- Y  N  **1. Used Oil Transporter**  
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)
- Y  N  **2. Used Oil Processor and/or Re-refiner**  
 If "Yes", mark all that apply.
- a. Processor
- b. Re-refiner
- Y  N  **3. Off-Specification Used Oil Burner**
- Y  N  **4. Used Oil Fuel Marketer**  
 If "Yes", mark all that apply.
- a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- b. Marketer Who First Claims the Used Oil Meets the Specifications

**D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K**

- ❖ You can **ONLY** Opt into Subpart K if:
  - you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; AND
  - you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y  N  1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories  
**See the Item-by-item Instructions for definitions of types of eligible academic entities. Mark all that apply:**

a. College or University

b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university

c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y  N  2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

**11. Description of Hazardous Waste**

**A. Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D003	D005	D006	D007	D008	D030

**B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.


**12. Notification of Hazardous Secondary Material (HSM) Activity**

Y  N  Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

**13. Comments**

9A. Site Contact: Kirk Bausman, Deputy to the Commander

1 South Maine Ave

Hawthorne, NV 89415

(775) 945-7002

9:B SOC Nevada LLC Contact: George Gram II, General Manager

2 South Maine Ave

Hawthorne, NV 89415

775-945-7660

Technical Point of Contact - Yvonne Downs, Manager, Env Svcs SOC Nevada LLC

2 South Maine Ave Bldg 39

Hawthorne, NV 89415

**14. Certification.** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Kirk Bausman	20130528
	George Gram	5/29/13

United States Environmental Protection Agency  
**HARDOUS WASTE PERMIT INFORMATION FORM**

<b>1. Facility Permit Contact</b>	<b>First Name:</b> Manolo	<b>MI:</b> B	<b>Last Name:</b> Bay
	<b>Contact Title:</b> Supervisory Environmental Protection Specialist		
	<b>Phone:</b> (775) 945-7340	<b>Ext.:</b>	<b>Email:</b> manolo.b.bay.civ@mail.mil
<b>2. Facility Permit Contact Mailing Address</b>	<b>Street or P.O. Box:</b> 1 South Maine Ave		
	<b>City, Town, or Village:</b> Hawthorne		
	<b>State:</b> Nevada		
	<b>Country:</b> USA	<b>Zip Code:</b> 89406	
<b>3. Operator Mailing Address and Telephone Number</b>	<b>Street or P.O. Box:</b> 2 South Maine Ave Bldg 2		
	<b>City, Town, or Village:</b> Hawthorne		
	<b>State:</b> Nevada	<b>Phone:</b> 775-945-7660	
	<b>Country:</b> USA	<b>Zip Code:</b> 89406	
<b>4. Facility Existence Date</b>	<b>Facility Existence Date (mm/dd/yyyy):</b> 06/01/1976		

**5. Other Environmental Permits**

A. Facility Type (Enter code)	B. Permit Number											C. Description
	A	P	9	7	1	1	-	1	1	3	4	
E												New Bomb Air Permit

**6. Nature of Business:** The mission of Hawthorne Army Depot is to support the major military services (Army, Navy, Air Force, Marines) with facilities to receive, load, maintain, store and issue ammunition, explosives, and related items. HWAD also has the responsibility to renovate, demilitarize, or dispose of unserviceable ammunition and explosives.

**7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3**

**PROCESS CODE** – Enter the code from the list of process codes below that best describes each process to be used at the facility. If more lines are needed, attach a separate sheet of paper with the additional information. For “other” processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item 8.

**B. PROCESS DESIGN CAPACITY** – For each code entered in Item 7.A; enter the capacity of the process.

- AMOUNT** – Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
- UNIT OF MEASURE** – For each amount entered in Item 7.B(1), enter the code in Item 7.B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

**C. PROCESS TOTAL NUMBER OF UNITS** – Enter the total number of units for each corresponding process code.

Process Code	Process	Appropriate Unit of Measure for Process Design Capacity	Process Code	Process	Appropriate Unit of Measure for Process Design Capacity
<b>Disposal</b>			<b>Treatment (Continued) (for T81 – T94)</b>		
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day, or Liters Per Day	T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour; Kilograms Per Hour; or Million BTU Per Hour
D80	Landfill	Acre-feet; Hectares-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln	
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure Listed Below	T86	Blast Furnace	
<b>Storage</b>			T87	Smelting, Melting, or Refining Furnace	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T89	Methane Reforming Furnace	
S03	Waste Pile	Cubic Yards or Cubic Meters	T90	Pulping Liquor Recovery Furnace	
S04	Surface Impoundment	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid	
S05	Drip Pad	Gallons; Liters; Cubic Meters; Hectares; or Cubic Yards	T92	Halogen Acid Furnaces	
S08	Containment Building Storage	Cubic Yards or Cubic Meters	T93	Other Industrial Furnaces Listed in 40 CFR 260.10	
S99	Other Storage	Any Unit of Measure Listed Below	T94	Containment Building Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTU Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million BTU Per Hour
<b>Treatment</b>			<b>Miscellaneous (Subpart X)</b>		
T01	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
T02	Surface Impoundment	Gallons Per Day; Liters Per Day	X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Gallons Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Metric Tons Per Hour; or Million BTU Per Hour	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; or Million BTU Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Short Tons Per Day; BTUs Per Hour; Gallons Per Day; Liters Per Hour; or Million BTU Per Hour	X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; or Million BTU Per Hour	X99	Other Subpart X	Any Unit of Measure Listed Below
<b>Unit of Measure</b>	<b>Unit of Measure Code</b>	<b>Unit of Measure</b>	<b>Unit of Measure Code</b>	<b>Unit of Measure</b>	<b>Unit of Measure Code</b>
Gallons	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Short Tons Per Day	N	Cubic Meters	C
Liters Per Day	U	Metric Tons Per Hour	W	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liters Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	X	Hectare-meter	F
		Million BTU Per Hour	X	BTU Per Hour	I

**7. Process Codes and Design Capacities (Continued)**

**EXAMPLE FOR COMPLETING Item 7 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.**

Line Number	A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only				
				(1) Amount (Specify)	(2) Unit of Measure						
X 1	S	0	2	533.788	G	001					
1	X	0	1	15	N	001					
2											
3											
4											
5											
6											
7											
8											
9											
1 0											
1 1											
1 2											
1 3											

**Note: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the line sequentially, taking into account any lines that will be used for "other" process (i.e., D99, S99, T04, and X99) in Item 8.**

**8. Other Processes (Follow instructions from Item 7 for D99, S99, T04, and X99 process codes)**

Line Number (Enter #s in sequence with Item 7)	A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only				
				(1) Amount (Specify)	(2) Unit of Measure						
X 2	T	0	4	100.00	U	001					

**9. Description of Hazardous Wastes - Enter Information in the Sections on Form Page 5**

- A. EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** - For each quantity entered in Item 9.B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

**D. PROCESSES**

**1. PROCESS CODES:**

**For listed hazardous waste:** For each listed hazardous waste entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all listed hazardous wastes.

**For non-listed waste:** For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

**NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:**

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item 9.D(1).
3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.

**2. PROCESS DESCRIPTION:** If code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.E(2).

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
2. In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.D.2 on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING Item 9** (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA Hazardous Waste No. (Enter code)					B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES																
	(1) PROCESS CODES (Enter Code)										(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))													
X	1	K	0	5	4	900	P	T	0	3	D	8	0											
X	2	D	0	0	2	400	P	T	0	3	D	8	0											
X	3	D	0	0	1	100	P	T	0	3	D	8	0											
	4	D	0	0	2																			Included With Above

Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)																							
Line Number	A. EPA Hazardous Waste No. (Enter code)					B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES															
								(1) PROCESS CODES (Enter Code)			(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))												
1	D	0	0	3		2,250	T	X	0	1													
2	D	0	0	5																			weight included in line # 1
3	D	0	0	6																			weight included in line # 1
4	D	0	0	7																			weight included in line # 1
5	D	0	0	8																			weight included in line # 1
6	D	0	3	0																			weight included in line # 1
7																							
8																							
9																							
10																							
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**10. Map**

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

**11. Facility Drawing**

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

**12. Photographs**

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas (see instructions for more detail).

**13. Comments**

<b>RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010</b>	<b>PERMIT ATTACHMENT 1B</b>	<b>RENEWAL September 2013</b>
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## **List of Restricted Wastes at HWAD New Bomb**

[See also Permit Condition 2.8]

The Permittee is not authorized to receive, treat, store, or otherwise manage the following:

1. Any radioactive material that is not exempt from regulation and licensing or is not expressly authorized for disposal under this Permit or any radioactive or nuclear waste material, which requires specific licensing or permitting under any other rules of state or federal authorities for disposal or transshipment;
2. Compressed gases (not to include aerosol containers) or pressurized gases, including those contained in compressed gas cylinders;
3. Chemical Munitions, Biological or Etiologic Agents, or infectious wastes;
4. Waste explosive munitions for which permitted capacity exists at the HWAD Main Base Facility, as determined by the analysis described in Section III A.4 (Alternative Methods Currently in Use at HWAD) of the Permit Application, and for which there is a market for reuse, recycling or reutilization;
5. Waste explosive items that can be treated, within safety and regulatory requirements, at the HWAD Main Base RF-9, PODS or BEDS incinerator; or
6. The hazardous waste described as “prohibited” in Permit Section 6.2.2.

<b>RCRA PERMIT NEVHW0027 HWAD NEW BOMB EPA ID# NV5210090010</b>	<b>PERMIT ATTACHMENT 2</b>	<b>RENEWAL September 2013</b>
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**The following documents are adopted herein as if fully set forth in this permit:**

1. HWAD - New Bomb RCRA Part B Application Volumes 1 and 2 – June 2012 and subsequent revisions.
2. HWAD - Main Base Contingency Plan