

**Draft Permit – Nevada National Security Site - Area 5 Asbestiform Waste**

**1 FACILITY SUMMARY**

Nevada National Security Site Area 5 Asbestiform Low-Level Waste Landfill

**1.1 GENERAL DESCRIPTION**

The permit will allow for land disposal of regulated Asbestiform Low-Level Waste (ALLW), small quantities of Low-Level Radioactive-Burdened (LLHB) media and debris, LLW, LLW that contains Polychlorinated Biphenyl (PCB) Bulk Product Waste, and small quantities of LLHB demolition and construction waste.

**1.2 OWNER/OPERATOR**

U.S. Department of Energy National Nuclear Security Administration Nevada Site Office (NNSA/NSO), Las Vegas, Nevada

**1.3 FACILITY LOCATION**

Area 5 Asbestiform Low-Level Solid Waste Disposal Site, Nevada National Security Site (NNS), Nye County, Nevada

**1.4 FACILITY DESIGN**

Permitted Design Summary  
**Table 1**

Class I/II	Rev 00	Rev 01		Rev 02		Rev 03	
		New	Total	New	Total	New	Total
Disposal Area (acres)							
Maximum Elevation (amsl)							
Minimum Elevation (amsl)							
Disposal Capacity (yds <sup>3</sup> )							
Total Volume (yds <sup>3</sup> )							
<b>Class III (C&amp;D)</b>							
Disposal Area (acres)	5						
Maximum Elevation (amsl)	3242						
Minimum Elevation (amsl)	3217						
Disposal Capacity (yds <sup>3</sup> )	250,800						
Total Volume (yds <sup>3</sup> )	250,800						
Combined Disposal Capacity I & III (yds <sup>3</sup> )	250,800						
Combined Landfill Volume I & III (yds <sup>3</sup> )	250,800						

**2 GENERAL PERMIT CONDITIONS**

**2.1 DEFINITIONS**

Unless the context otherwise requires, the definitions used in this Permit have the meanings ascribed to them in NAC 444.5701 to 444.631.

**“Landfill volume”** means the quantity of space contained above the bottom liner and including the final cover of a landfill design.

**“Landfill disposal capacity”** means the quantity of solid waste, by volume, that can be placed in a landfill, given its landfill volume and plan of operations.

**Draft Permit – Nevada National Security Site - Area 5 Asbestiform Waste**

**2.2 PERMIT ACTIONS (NAC 444.643)**

This Permit is based upon the information submitted in the Permit application, and as approved by the Nevada Division of Environmental Protection. This Permit may be modified by the Division, for cause, in accordance with NAC 444.643 or if there is a change in the statutes or regulations upon which the issuance of the Permit is based, or if a modification is otherwise necessary to protect public health, safety and the environment. This Permit may be revoked or suspended if written notice is given by the solid waste management authority and the disposal site does not remain in compliance with the applicable statutes and regulations. The filing of a request by the Permittee for a Permit modification or termination, or a notification of planned changes or anticipated noncompliance, or termination of activities authorized in the Permit does not stay any Permit condition. The Permittee shall inform the Division of any deviation from or change in the operations as presented in the application, which may affect the Permittee's ability to comply with applicable regulations or conditions of this Permit. This Permit may be transferred to a subsequent owner or operator only if the solid waste management authority approves the transfer based on documentation of financial responsibility provided by the new owner or operator.

**2.3 AVAILABILITY OF PERMIT DOCUMENTS**

The Permittee shall keep, at the disposal site, a complete copy of this Permit and incorporated documents, as identified herein.

**2.4 COMPLIANCE WITH STATUTES AND REGULATIONS**

The Permittee shall comply with NRS 444.440 through 444.620, and NAC 444.570 through 444.7499, as applicable.

**2.5 DUTY TO PROVIDE INFORMATION**

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

**2.6 INCIDENT REPORTING**

The Permittee shall report incidents to the Division as provided in the *Operating Plan*. In addition, the Permittee shall report any noncompliance, imminent or existing hazard from a release of waste or hazardous constituents, or from a fire or explosion at the facility, which may endanger human health or the environment. Such information shall be reported by telephone to 800-331-6337 within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. A written report shall be submitted within 15 days of the incident and shall include the following:

- i. Name and title of person making report;
- ii. Date, time, and type of incident;
- iii. Name and quantity of material(s) involved;
- iv. A complete description of the occurrence and its cause;
- v. The extent of injuries, if any;
- vi. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable;
- vii. Estimated quantity and disposition of recovered material that resulted from the incident; and
- viii. Actions taken by the Permittee in response to the incident.

## Draft Permit – Nevada National Security Site - Area 5 Asbestiform Waste

### 2.7 REPORTING ANTICIPATED NON-COMPLIANCE

The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity that may result in noncompliance with Permit requirements.

### 2.8 INSPECTION AND ENTRY

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

- i. 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;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
- iv. Sample or monitor at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized, any substances or parameters at any location subject to the Permit.

### 2.9 CONSTRUCTION QUALITY ASSURANCE AND QUALITY CONTROL (NAC 444.645)

The Permittee shall:

- i. Develop and carry out a program for quality assurance and quality control for the construction of all liner systems required by NAC 444.681; and
- ii. Submit a summary of this program to the solid waste management authority before commencement of construction of the disposal site.

### 3 PERMIT DOCUMENTS

The following documents, as submitted by the Permittee and approved by the Nevada Division of Environmental Protection also describe and/or restrict the operation of this disposal site:

The Permit Application, dated October 2010, contains descriptions of the Operation and Maintenance Plan and Closure and Post-Closure Plans. The Permit Application is available for review.

### 4 WASTE ACCEPTANCE CRITERIA

The governing document for waste acceptance criteria is the Nevada National Security Site Waste Acceptance Criteria (NNSSWAC) which requires disposal site operators to verify that waste received at the site is from approved generators who must comply with all requirements of the NNSSWAC.

### 4.1 SOLID WASTES PERMITTED FOR DISPOSAL

Industrial wastes including regulated asbestiform low-level waste generated by asbestos abatement programs administered by state or federal agencies.

### 4.2 PROHIBITED SOLID WASTES

The Permittee is prohibited from placing in the landfill the following wastes:

1. Liquid waste as defined by NAC 444.692(4)
2. Hazardous waste, as defined by State and Federal Regulations
3. Household waste
4. Garbage as define by NAC 444.578
5. All other wastes not specifically identified for disposal in the Operating Plan

**Draft Permit – Nevada National Security Site - Area 5 Asbestiform Waste**

**5 RECORDKEEPING**

**5.1** The Permittee shall maintain records at the site as described in section [refer to section] of the [revised] Application.

The owner or operator shall notify the solid waste management authority when the documentation has been placed in or added to the operating records. All information contained in the operating records must be furnished upon request to the solid waste management authority or be made available at all reasonable times for inspection by the solid waste management authority.

- i. Any documentation of cost estimates and financial assurance required pursuant to NAC 444.685;
- ii. Plans for closure and postclosure care and any monitoring, testing or analytical data required pursuant to NAC 444.6891 to 444.6896, inclusive; and
- iii. How the site conforms to the restrictions on location set forth in NAC 444.735; and
- iv. Any plan to characterize solid waste required pursuant to NAC 444.737; and
- v. Any demonstration, certification, finding, monitoring, testing or analytical data from the program for monitoring ground water required pursuant to NAC 444.7481 to 444.7499, inclusive; and
- vi. The owner or operator shall promptly notify the solid waste management authority after the owner or operator has placed the information in the operating record of its facility pursuant to this subsection. The information must be furnished upon request to the solid waste management authority or be made available for inspection by the solid waste management authority at any reasonable time.

**6 REPORTING**

1. Submit annually to the Division a report of the solid waste received at the site. The report must be submitted on a form provided by the Division within 30 days following the end of each calendar year. The Permittee shall by the date of issuance of the permit and at least once every 5 years thereafter until the site is closed in accordance with NAC 444.6891, 444.6892 and 444.6893, conduct a topographic survey or other volumetric survey of the site and submit a report to the Division.

Each report must:

- i. Be at a scale of not more than 200 feet to the inch, including contour intervals of not more than 5 feet;
- ii. Show the current topography of the site;
- iii. Indicate the remaining volume and disposal capacity of the site;
- iv. Indicate the volume used and waste disposed of since the original report of design; and
- v. Calculate the remaining life of the site, in years.

**6.1 FINANCIAL ASSURANCE REPORTING. THE PERMITTEE SHALL:**

- i. Notify the Division of any adjustments made to the estimates for the amounts of closure and post-closure care in accordance with NAC 444.6851 and 444.68515;
- ii. Each year before the anniversary of the issuance of this Permit, the Permittee shall submit the closure and post-closure cost estimates adjusted for inflation.

**6.2 NOTIFICATION OF NEW CELL CONSTRUCTION**

In accordance with NRS 444.556, the Permittee shall notify the Division in writing within 10 days following the commencement of construction of a new cell.

**Draft Permit – Nevada National Security Site - Area 5 Asbestiform Waste**

**6.3 DISPOSAL QUANTITY REPORTS**

The Permittee shall submit annually to the Division, a report of the solid waste received at the site in accordance with Permit Condition 6. The report must be submitted on a form provided by the Division.

**6.4 SUBMISSIONS**

All reports, notifications, or other submissions which are required by this Permit must be submitted by the specified due date to:

Bureau of Federal Facilities  
Nevada Division of Environmental Protection  
2030 E. Flamingo Road, Suite 230  
Las Vegas, NV 89119

**7 GROUNDWATER MONITORING**

Groundwater Monitoring shall be conducted in accordance with NAC 444.683 and NAC 444.7481 through NAC 444.7498.

**8 AUTHORIZATION**

<i>Signature of Approving Officer</i>	<i>Name and Title of Approving Officer</i>	<i>Date of Issuance</i>
	<i>T.H. Murphy, Chief Bureau of Federal Facilities</i>	
		<i>Date</i>

