

<b>SOLID WASTE DISPOSAL SITE PERMIT CLASS I &amp; III</b>	<b>PERMITTEE CARSON CITY</b>	<b>PERMIT # SW001REV02</b>
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**1 FACILITY SUMMARY**

Carson City operates a Class I Municipal Solid Waste Site (MSW) and Class III Construction and Demolition (C&D) Site. The disposal area(s) are constructed without a liner or leachate collection system however groundwater monitoring is conducted. Upon reaching capacity, a final cover will be constructed, and the Permittee will be responsible for 30 years of post-closure care. The Class I MSW and the Class III C&D Facilities accept waste predominantly from the local community and adjacent counties.

**1.1 GENERAL DESCRIPTION**

The 210 acre parcel occupied by the site is zoned CR (Conservation Reserve). The municipal solid waste landfill unit (Class I) will be operated as a vertical expansion of the existing 110-acre footprint that comprises the historic waste filling area. A cumulative 30 acre Class III C&D landfill unit(s) is located adjacent to the Class I unit. Carson City is required to conduct Groundwater and Methane Gas Monitoring.

**1.1.1 Owner/Operator**

City of Carson City  
3505 Butti Way  
Carson City, NV 89701

**1.2 FACILITY LOCATION**

Location: Bureau of Land Management and Carson City Property:  
T15N, R21E; MDB&M Located at 7700 Highway 50 East, three miles east of Carson City, Nevada.

**1.3 FACILITY DESIGN**

Permitted Design Summary  
**Table 1**

Class I	Rev 00	Rev 01		Rev 02		Rev 03	
		New	Total	New	Total	New	Total
Disposal Area (acres)	68	0	68	0	68	-	-
Maximum Elevation (amsl)	5107'	NA	5107'	53'	5160'	-	-
Minimum Elevation (amsl)	4860'	NA	4860'	NA	4860'	4860'	4860'
Disposal Capacity (yds <sup>3</sup> )	8.440*10 <sup>6</sup>	2.800*10 <sup>6</sup>	11.240*10 <sup>6</sup>	4.700*10 <sup>6</sup>	15.940*10 <sup>6</sup>	-	-
Total Volume (yds <sup>3</sup> )							
<b>Class III (C&amp;D)[C&amp;D areas 1,2&amp;3]</b>							
Disposal Area (acres)	18	30	48	20	68	-	-
Maximum Elevation (amsl)	5107'	NA	5107'	53'	5160'	-	-
Minimum Elevation (amsl)	4860'	NA	4860'	NA	4860'	4860'	4860'
Disposal Capacity (yds <sup>3</sup> )	0.036*10 <sup>6</sup>	3.150*10 <sup>6</sup>	3.186*10 <sup>6</sup>	6.470*10 <sup>6</sup>	10.286*10 <sup>6</sup>	-	-
Total Volume (yds <sup>3</sup> )	-	-	-	-	-		
<b>Combined Disposal Capacity I &amp; III (yds<sup>3</sup>)</b>							
	9.016*10 <sup>6</sup>	5.950*10 <sup>6</sup>	15.056*10 <sup>6</sup>	11.170*10 <sup>6</sup>	26.226*10 <sup>6</sup>	-	-
<b>Combined Landfill Volume I &amp; III (yds<sup>3</sup>)</b>							
	13.466*10 <sup>6</sup>	3.950*10 <sup>6</sup>	17.416*10 <sup>6</sup>	12.600*10 <sup>6</sup>	30.016*10 <sup>6</sup>	-	-

**2 GENERAL PERMIT CONDITIONS**

**2.1 DEFINITIONS**

Unless the context otherwise requires, the words 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.

**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 (Division). 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 4344.7499, as applicable.

**2.5 DUTY TO PROVIDE INFORMATION**

In accordance with NRS 444.556, 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**

In accordance with NRS 444.556, 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:

1. Name and title of person making report;
2. Date, time, and type of incident;
3. Name and quantity of material(s) involved;
4. A complete description of the occurrence and its cause;
5. The extent of injuries, if any;

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6. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable;
7. Estimated quantity and disposition of recovered material that resulted from the incident; and
8. Actions taken by the Permittee in response to the incident.

**2.7 REPORTING ANTICIPATED NON-COMPLIANCE**

In accordance with NRS 444.556, 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.

**2.8 INSPECTION AND ENTRY**

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

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, any substances or parameters at any location subject to the Permit.

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

Reserved

**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:

- ♦ *Carson Landfill Volume 1 & 2 Permit Application, November 1995*
- ♦ *Addendum I Carson City Landfill Permit Application, July 1996*
- ♦ *Addendum II Carson Landfill Permit Application, November 2004*
- ♦ *Carson City Landfill Policies and Procedures, August 2004*

**4 WASTE ACCEPTANCE CRITERIA**

Class I & Class III Landfill

The Permittee shall follow the waste acceptance criteria of the "Carson City Landfill, Random Load Inspection and Waste Screening Training" as amended 5/30/2005 in Landfill Policies and Procedures.

**4.1 SOLID WASTES PERMITTED FOR DISPOSAL**

Class I

1. Municipal Solid Waste
2. Waste Tires
3. Hydrocarbon contaminated soil not to exceed 3 yd<sup>3</sup> unless it contains <100mg/kg
4. Asbestos
5. Animal Carcasses
6. Sewage Sludge and Solidified Septage

7. Food Industry Waste

Class III

Construction and Demolition Waste that meets the definition of Carson City Landfill, Random Load Inspection and Waste Screening Training” as amended 5/30/2005 in “Landfill Policies and Procedures”.

**4.2 PROHIBITED SOLID WASTES**

The Permittee is prohibited from placing in the Class I 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. PCB waste, as defined by State and Federal Regulations
4. Reserved

The Permittee is prohibited from placing in the Class III C&D landfill the following wastes:

1. Household Municipal Solid Waste
2. Conditionally Exempt Small Quantity Generator Waste as defined by 40 CFR §261.5
3. Liquid waste as defined by NAC 444.692(4)
4. Hazardous waste, as defined by State and Federal Regulations
5. PCB waste, as defined by State and Federal Regulations
6. Reserved

**5 RECORDKEEPING**

**5.1 THE PERMITTEE SHALL MAINTAIN THE FOLLOWING RECORDS AT THE SITE IN ACCORDANCE WITH NAC 444.702 & 7025:**

Class I Facility:

1. Any demonstration of restrictions on location required by NAC 444.678 to 444.6795, inclusive;
2. Records of inspection, training procedures and procedures for notification required by NAC 444.6665;
3. Results from the monitoring of gas and any remediation plans required by NAC 444.667;
4. Any documentation relating to the design of the municipal solid waste landfill unit for the placement of leachate or gas condensate in the unit as required by paragraph (b) of subsection 2 of NAC 444.692;
5. Any demonstration, certification, finding, monitoring, testing or analytical data from the program for monitoring ground water required by NAC 444.7481 to 444.7499, inclusive;
6. Plans for closure and postclosure and any monitoring, testing or analytical data required by NAC 444.6891 to 444.6896, inclusive; and
7. Any documentation of cost estimates and financial assurance required by NAC 444.685.
8. The operator of a Class I site shall submit quarterly to the Division a report of the solid waste received at the site. The report must be submitted on a form prescribed by the Division.
9. The Permittee shall, submit by January 31<sup>st</sup> 2006 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 signed by a Professional Engineer registered in this State;
- ii. Be at a scale of not more than 200 feet to the inch, including contour intervals of not more than 5 feet;
- iii. Show the current topography of the site;
- iv. Indicate the remaining volume and disposal capacity of the site;
- v. Indicate the volume used and waste disposed since the original report of design; and
- vi. Calculate the remaining life of the site, in years.

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Class III Facility:

1. Any documentation of cost estimates and financial assurance required pursuant to NAC 444.685;
2. Plans for closure and postclosure care and any monitoring, testing or analytical data required pursuant to NAC 444.6891 to 444.6896, inclusive;
3. How the site conforms to the restrictions on location set forth in NAC 444.735;
4. Any plan to characterize solid waste required pursuant to NAC 444.737;
5. 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
6. 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**

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

1. Notify the Division of adjustments made to the estimates for the amounts of closure and post-closure care in accordance with NAC 444.6851 and 444.68515; and
2. At the end of each calendar year, the Permittee shall submit the closure and post-closure cost estimates adjusted for inflation to the Division by January 31<sup>st</sup>.

**6.2 NOTIFICATION OF NEW CELL CONSTRUCTION**

Reserved

**6.3 DISPOSAL QUANTITY REPORTS**

In accordance with NAC 444.702 and 444.747, the Permittee shall submit quarterly to the Division, within 30 days following the end of each calendar quarter, a report of the solid waste received at the two sites (Class I & III). The report must be submitted on a form provided by the Division.

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

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Solid Waste Branch Supervisor  
Bureau of Waste Management  
Nevada Division of Environmental Protection  
901 South Stewart Street, Suite 4001  
Carson City, NV 89701-5249

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**7 GROUNDWATER MONITORING**

**7.1** Any deviation from the ground water monitoring plan must be approved in advance by the Division as a Permit modification in accordance with NAC 444.6435.

**7.2** The monitoring wells are to remain continuously locked except during sampling, inspection, and repairs. Keys must be available at the landfill office at all times.

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**7.3** \_\_\_ Groundwater Monitoring Reports shall be submitted by February 1<sup>st</sup> and August 1<sup>st</sup> of each calendar year in a format approved by the Division.

**8** \_\_\_ **MISCELLANEOUS CONDITIONS**

1. The Permittee shall annually survey the boundary location of the Class I and Class III Sites and confirm the boundaries as noted in Figure 3A of Addendum II.
2. The Permittee shall periodically (at least quarterly) establish a boundary between the Class I and Class III Sites and document such in the Operating Record as specified in Addendum II and maintain the staked line for inspection by the Division.

**9** \_\_\_ **COMPLIANCE SCHEDULE**

Reserved

**10** \_\_\_ **AUTHORIZATION**

<i>Signature of Approving Officer</i>	<i>Name and Title of Approving Officer</i>	<i>Date of Permit or Revised Permit Issuance</i>
_____		_____ <i>Date</i>