 SOLID WASTE DISPOSAL SITE PERMIT Class I & III	PERMITTEE CARSON CITY	PERMIT # SW001REV03
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A. FACILITY SUMMARY

Carson City operates a Class I Municipal Solid Waste (MSW) disposal site and Class III Construction and Demolition (C&D) disposal site. The disposal areas 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.

The facility is permitted to dispose of MSW (Class I) and C&D (Class III) waste and various special wastes as listed in Section C(2) below. No other waste is permitted for acceptance at this facility.

1. GENERAL DESCRIPTION

The 210 acre area within which the facility will be located is zoned CR (conservation reserve) and is located within portions of the Permittee's property in Carson City County, NV. The landfill is approximately 2700 feet southeast of US highway 50.

The Permit authorizes the construction and operation of a combined Class I and Class III disposal site, consisting of one MSW landfill unit (Class I), one industrial solid waste landfill unit (Class III), contiguous land, structures, and other appurtenances and improvements for the disposal of MSW as approved by the Nevada Division of Environmental Protection (Division). The Application provides that interim and final cover will be installed concurrently with ongoing operations. The Owner/Operator will perform groundwater-monitoring, gas monitoring, closure, and post-closure care in accordance with this Permit.

2. OWNER/OPERATOR

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

3. FACILITY LOCATION

The facility is located on Carson City land in Carson City County, approximately 3 miles east of Carson City. The property is located within portions of Section 1, Township 15 North, Range 20 East and Section 6, Township 15 North, Range 21 East, Mount Diablo Baseline and Meridian.

4. 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	2	70
Maximum Elevation (ft amsl)	5107	NA	5107	53	5160	NA	5160
Minimum Elevation (ft amsl)	4860	NA	4860	NA	4860	NA	4860
Disposal Capacity (yds ³)	8.440*10 ⁶	2.800*10 ⁶	11.240*10 ⁶	4.700*10 ⁶	15.940*10 ⁶	0.925*10 ⁶	16.865*10 ⁶
Class III (C&D)[C&D areas 1,2&3]							
Disposal Area (acres)	18	30	48	20	68	-2	66
Maximum Elevation (ft amsl)	5107	NA	5107	53	5160	NA	5160
Minimum Elevation (ft amsl)	4860	NA	4860	NA	4860	NA	4860
Disposal Capacity (yds ³)	0.036*10 ⁶	3.150*10 ⁶	3.186*10 ⁶	6.470*10 ⁶	10.286*10 ⁶	-0.925*10 ⁶	9.361*10 ⁶
Combined Disposal Capacity I & III (yds ³)	9.016*10 ⁶	5.950*10 ⁶	15.056*10 ⁶	11.170*10 ⁶	26.226*10 ⁶	0	26.226*10 ⁶
Combined Landfill Volume I & III (yds ³)	13.466*10 ⁶	3.950*10 ⁶	17.416*10 ⁶	12.600*10 ⁶	30.016*10 ⁶	0	30.016*10 ⁶

ft amsl = feet above mean sea level

yds³ = cubic yards

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B. GENERAL PERMIT CONDITIONS

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 and intermediate cover, by volume, that can be placed in a landfill, given its “Landfill Volume” and operating plan.

2. PERMIT ACTIONS (NAC 444.643)

This Permit is based upon the information submitted in the Permit Application, and subsequent modifications, and as approved by the 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 Division 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 Division approves the transfer based on documentation of financial responsibility provided by the new owner or operator.

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.

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.


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.

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, any fire or explosion at the facility, or any condition which may endanger human health or the environment. Such information shall be reported by telephone to (888) 331-6337 within 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:

- a. Name and title of person making report;

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- b. Date, time, and type of incident;
- c. Name and quantity of material(s) involved;
- d. A complete description of the occurrence and its cause;
- e. The extent of injuries, if any;
- f. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable;
- g. Estimated quantity and disposition of recovered material that resulted from the incident; and
- h. Actions taken by the Permittee in response to the incident; and
- i. Actions taken by the Permittee to prevent similar incident from occurring.

7. REPORTING ANTICIPATED NON-COMPLIANCE

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

8. INSPECTION AND ENTRY

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

- a. 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;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and
- d. 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.

9. CONSTRUCTION QUALITY ASSURANCE AND QUALITY CONTROL (NAC 444.645)

The Permittee shall:

- a. Develop and carry out a program for quality assurance and quality control for the construction of all liner systems required by NAC 444.681;
- b. Submit a summary of this program to the Division before commencement of construction of the disposal site; and

Conform to the Construction Quality Assurance Plan contained in Exhibit K of the Permit Application of November 1995.


C. SPECIFIC PERMIT CONDITIONS

1. PERMIT DOCUMENTS

The following documents, as submitted by the Permittee and approved by the Division also describe and/or restrict the operation of this disposal site and are incorporated into this Permit by reference:

- a. Permit Application, November 1995
- b. Addendum I Carson City Landfill Permit Application, July 1996
- c. Addendum II Carson Landfill Permit Application, November 2004
- d. Carson City Landfill Policies and Procedures, August 2004
- e. Modification Request, February 2018
- f. *Reserved*

In the event of any conflict, the more recent document shall govern.

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2. SOLID WASTES PERMITTED FOR DISPOSAL

- a. Class I:
 - i. Municipal Solid Waste
 - ii. Waste Tires
 - iii. Hydrocarbon contaminated soil not to exceed 3 yd³ unless it contains <100mg/kg
 - iv. Animal Carcasses
 - v. Sewage Sludge and Solidified Septage
 - vi. Food Industry Waste
 - vii. Reserved

- b. Class III:
 - i. C&D Waste
 - ii. Asbestos (accepted, handled, and transported in accordance with NAC 444.965 to 444.980)
 - iii. *Reserved*


3. PROHIBITED SOLID WASTES

- a. The Permittee is prohibited from placing in the Class I landfill the following wastes:
 - i. Liquid waste as defined by NAC 444.692(4)
 - ii. Hazardous waste, as defined by NAC 444.580 (NRS 459.430) & State and Federal Regulations
 - iii. Septic tank pumpings and raw sewage as defined by NAC 444.654(2)
 - iv. PCB waste, as defined by NAC 444.6665
 - v. Asbestos as defined by NAC 444.966
 - vi. All other wastes not specifically identified for disposal in the Operating Plan
 - vii. *Reserved*

- b. The Permittee is prohibited from placing in the Class III landfill the following wastes:
 - i. Liquid waste as defined by NAC 444.692(4)
 - ii. Hazardous waste, as defined by NAC 444.580 & State and Federal Regulations
 - iii. Septic tank pumpings and raw sewage as defined by NAC 444.654(2)
 - iv. PCB waste, as defined by State and Federal Regulations
 - v. Household waste as defined by NAC 444.581
 - vi. Conditionally Exempt Small Quantity Generator (CESQG) Waste as defined by 40 CFR 261.5
 - vii. Garbage as defined by NAC 444.578
 - viii. All other wastes not specifically identified for disposal in the Operating Plan
 - ix. *Reserved*

4. RECORDKEEPING

- a. The Permittee shall maintain records at the site for the Class I facility as described below.
 - i. Any demonstration of restrictions on location required by NAC 444.678 to 444.6795, inclusive;
 - ii. Records of inspection, training procedures and procedures for notification required by NAC 444.6665;
 - iii. Records of each incident of unauthorized waste refusal or acceptance as described in the Operating Plan included with the Application;
 - iv. Results from the monitoring of gas and any remediation plans required by NAC 444.667;

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- v. Any documentation relating to the design of the MSW 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;
 - vi. 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;
 - vii. Plans for closure and post-closure and any monitoring, testing or analytical data required by NAC 444.6891 to 444.6896, inclusive; and
 - viii. Any documentation of cost estimates and financial assurance required by NAC 444.685.
- b. The Permittee shall maintain records at the site for the Class III facility as described below.
- i. Any documentation of cost estimates and financial assurance required pursuant to NAC 444.685;
 - ii. Plans for closure and post-closure care and any monitoring, testing or analytical data required pursuant to NAC 444.6891 to 444.6896, inclusive;
 - iii. How the site conforms to the restrictions on location set forth in NAC 444.735;
 - 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 groundwater required pursuant to NAC 444.7481 to 444.7499, inclusive.

The owner or operator shall promptly notify the Division 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 Division or be made available at all reasonable times for inspection by the Division.

D. REPORTING

1. SOLID WASTE REPORTING

The Permittee shall:

- a. 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 within 30 days following the end of each calendar year quarter; and
- b. By October 4, 2021, and at least once every 5 years thereafter until the site is closed, submit the Capacity Report required by NAC 444.702(7).

2. FINANCIAL ASSURANCE REPORTING

The Permittee shall:

- a. 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; and
- b. Each year within 30 days following the end of each calendar year of the issuance of this Permit, the Permittee shall submit the closure and post-closure cost estimates adjusted for inflation.

3. 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.

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

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

E. MONITORING

1. GROUNDWATER MONITORING

Groundwater Monitoring shall be conducted in accordance with NAC 444.7481 through NAC 444.7498 and with the Groundwater Monitoring Plan in Exhibit B of the Application.

- a. Any deviation from the groundwater monitoring plan must be approved in advance by the Division as a Permit modification in accordance with NAC 444.6435.
- b. 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.
- c. Groundwater Monitoring Reports shall be submitted to the Division as required in Exhibit B of the Application by February 1st and August 1st of each calendar year. The reports shall be submitted in both hardcopy and electronic format.

2. GAS MONITORING

Monitoring for flammable gasses shall be conducted as detailed in Section 6 of the Operating Plan.


F. 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, and as revised in the Permit modification of February 2018.
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.
3. *Reserved*

G. COMPLIANCE SCHEDULE

1. *Reserved*

H. AUTHORIZATION

<i>Signature of Approving Officer</i>	<i>Name and Title of Approving Officer</i>	<i>Date of Permit or Revised Permit Issuance</i>
	R. Eric Noack, Chief Bureau of Waste Management	3/15/18 <i>Date</i>