

<b>SOLID WASTE DISPOSAL SITE</b>  <b>PERMIT CLASS I</b>	<b>PERMITTEE</b> <b>WASTE SOLUTIONS &amp; RECYCLING</b>	<b>PERMIT #</b> <b>SW 294REV03</b>
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**1 FACILITY SUMMARY**

The Waste Solutions Landfill comprises approximately 660 acres of the former Rawhide-Denton Mine of KRMC, and will be using the former mine site as a Class I Disposal area. The landfill and surrounding areas are zoned M3 (Open Use) and will be used solely for the purpose of Municipal Solid Waste Disposal in accordance with this permit and the associated documents.

**1.1 GENERAL DESCRIPTION**

The landfill will proceed through two distinct phases. One (1) below ground and 2) above ground area fill operations. The landfill will install an alternative liner system in the bottom of the pit and benches and an intermediate soil liner at the crest of the landfill. A leachate collection system will be installed in the three main lobes of the landfill and a Landfill Gas Collection system at the intermediate soil cover, once the landfill reaches the pit crest. A prescriptive soil cover has been approved, however Waste Solutions will operate a “Landfill Test Plot” to evaluate the major environmental components of the landfill; namely 1) the leachate collection system, 2) a prescriptive liner, 3) environmental monitoring systems (e.g. landfill gas and vadose zone monitoring) and 4) an alternative cover.

**1.2 OWNER/OPERATOR**

Waste Solutions & Recycling LLC  
4700 Daybreak Parkway  
South Jordan, Utah 84095

**1.3 FACILITY LOCATION**

660 acres in portions of Section 4,58 & 9 of T13N, R32E of the MDB&M in Mineral County Nevada as described in section 1.2 of Volume 1 Plan of Operations

**1.4 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)	518	0	518	0	518	0	518
Maximum Elevation (amsl)	5730 ft	0	5730 ft	0	5730 ft	0	5730 ft
Minimum Elevation (amsl)	4750 ft	0	4750 ft	0	4750 ft	0	4750 ft
Disposal Capacity (yds <sup>3</sup> )	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )
Total Volume (yds <sup>3</sup> )	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )
Disposal Capacity I (yds <sup>3</sup> )	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )	0	285.3(10 <sup>6</sup> )
Landfill Volume I (yds <sup>3</sup> )	298.1(10 <sup>6</sup> )	0	298.1(10 <sup>6</sup> )	0	298.1(10 <sup>6</sup> )	0	298.1(10 <sup>6</sup> )

**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.

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“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. 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**

1. The Permittee shall keep, at the disposal site, a complete copy of this Permit and incorporated documents, as identified herein.
2. The Permittee shall keep, at the disposal site all records of inspections, environmental monitoring and employee training.

**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, and all revisions thereto 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:

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;
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

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8. Actions taken by the Permittee in response to the incident.

**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:

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)**

The Permittee shall:

1. 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
2. Follow the CQA Plan as detailed in Vol. II Appendix I of the Permit Application.

**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 and are adopted by reference as if fully set forth herein:

1. Plan of Operations Volume I
2. Volume I & II Report of Design
3. Volume I & II Report of Design – Sheets

**4 WASTE ACCEPTANCE CRITERIA**

The Permittee shall follow the procedures in Section 4.2 of Volume I Plan of Operations, to prevent acceptance of un-authorized wastes.

**4.1 SOLID WASTES PERMITTED FOR DISPOSAL**

Class I

1. Municipal Solid Waste
2. Waste Tires
3. Hydrocarbon contaminated soil exceeding 100mg/kg and 3 yd<sup>3</sup> as specified in Section 3.4.14 of the Plan of Operations
4. Reserved

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**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 NAC 444.580 (NRS 459.430)
3. PCB waste, as defined by NAC 444.6665
4. Reserved

**5 RECORDKEEPING**

**5.1** The Permittee shall maintain all records of Inspections, Training and Waste acceptance.

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.

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.

**6 REPORTING**

Class I Facility:

1. 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 within 30 days following the end of each calendar year quarter.
2. The Permittee shall, submit by January 31<sup>st</sup> 2009 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.

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

1. 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;
2. 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.

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**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.

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

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

**7 ENVIRONMENTAL MONITORING**

**7.1** Reserved

**8 MISCELLANEOUS CONDITIONS**

1. Segregate and stockpile topsoil from landfill construction for use as growth medium for the final cover
2. Waste Solutions shall provide documentation of transfer of the 35 unpatented fractional lode claims from the BLM 90 days prior to the acceptance of waste.
3. Include the cost of installing the Intermediate Soil Cover as a portion of the Closure cost analysis
4. Reserved

**9 COMPLIANCE SCHEDULE**

1. Submit a Health and Safety Plan 180 days prior to the acceptance of waste
2. Submission of a Training Plan within 180 days prior to the acceptance of waste
3. Submit an outline within 90 days of permit issuance, followed by a comprehensive plan of an evaluation program, to include a pilot landfill, to assess and measure assumptions and engineering controls (e.g., cover infiltration, leachate production, liner performance and gas production within 180 days
4. At the completion of the Pit Grading Plan submit a CQA Report for approval by the NDEP
5. At the completion of the Intermediate Layer submit a CQA Report for approval by the NDEP
6. Upon reaching completion of the Intermediate Layer resubmit a Closure and Post Closure cost estimate for the landfill.

**10 AUTHORIZATION**

<i>Signature of Approving Officer</i>	<i>Name and Title of Approving Officer</i>	<i>Date of Issuance</i>
<i>Original Signed</i>	<b>R. Eric Noack, Chief Bureau of Waste Management</b>	12/29/2010  <i>Date</i>

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