

**1 FACILITY SUMMARY**

The City of Ely 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 to a lesser extent the adjacent counties.

**1.1 GENERAL DESCRIPTION**

The Landfill is located in an M-2 (Heavy Manufacturing) area, to the North and West of the City of Ely. A 4 acre Class III C&D landfill unit is located directly adjacent to the 36 acre Class I unit. The City of Ely is required to conduct Groundwater and Methane Gas Monitoring and comply with a site Beautification Plan.

**1.2 OWNER/OPERATOR**

City of Ely  
 501 Mill Street  
 Ely NV 89301

**1.3 FACILITY LOCATION**

Lakawanna Road, Approximately 1 mile northeast of the City of Ely [T16N/R63E/Section10 MDB&M]

**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)	40		36		36		
Maximum Elevation (amsl)	6,530		6,530		6,530		
Minimum Elevation (amsl)	6,360		6,360		6,360		
Disposal Capacity (yds <sup>3</sup> )	1,876,800	0	1,876,800	0	1,876,800		
Total Volume (yds <sup>3</sup> )	2,160,000	0	2,160,000	0	2,160,000		
<b>Class III (C&amp;D)</b>							
Disposal Area (acres)					4		
Maximum Elevation (amsl)					6,530		
Minimum Elevation (amsl)					6,360		
Disposal Capacity (yds <sup>3</sup> )				510,000	510,000		
Total Volume (yds <sup>3</sup> )					688,000		
<b>Combined Disposal Capacity I &amp; III (yds<sup>3</sup>)</b>							
				510,000	2,400,000		
<b>Combined Landfill Volume I &amp; III (yds<sup>3</sup>)</b>							
					2,850,000		

**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**

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.

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**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**

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:

1. Plan of Operation
2. Report of Design
3. Groundwater Monitoring Plan
4. Plan for Closure
5. Plan for Post-Closure
6. Response[s] to Technical Review[s] (1/03/98, 5/23/03, 8/10/05)
7. The Application and revisions/amendments dated 10/08/97, 1/3/98, 5/23/03 & 8/10/05

**4 WASTE ACCEPTANCE CRITERIA**

1. The Permittee shall comply with the Waste Acceptance Criteria of *Section 6.0 Waste Handling Procedures* of the revised Application.

**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. Animal Carcasses
5. Sewage Sludge and Solidified Septage [must pass paint filter test]
6. Food Industry Waste (Grease Trap Waste [must pass paint filter test])
7. Medical Waste

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8. Reserved

Class III

1. Construction and Demolition Waste that meets the definition of *Section 6.3 of the Revised Application*
2. Reserved

**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. Appliances containing Freon
5. Automobile Bodies
6. Reserved

The Permittee is prohibited from placing in the Class III landfill the following 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 above
3. PCB waste, as defined by State and Federal Regulations
4. Household waste as defined by NAC 444.581
5. Garbage as defined by NAC 444.578
6. Asbestos as defined by NAC 444.966
7. All other wastes not specifically identified for disposal in Section 6.0 Waste Handling Procedures of the Application
8. Reserved

**5 RECORDKEEPING**

**5.1** The Permittee shall maintain all records at the site as described in the revised Application.

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.

Class III Facility

1. Any documentation of cost estimates and financial assurance required pursuant to NAC 444.685:

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

Class I Facility:

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.

Class III Facility:

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.
2. The Permittee shall by June 1<sup>st</sup> 2007 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 of 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 date of the issuance of this Permit, the Permittee shall submit to the NDEP 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.

**6.3** 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 S Stewart Street, Suite 4001  
 Carson City, NV 89701-5249

**7 GROUNDWATER MONITORING**

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

**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.

**7.3** Groundwater Monitoring Reports shall be submitted as required by Section 6.4 by February 1<sup>st</sup> and August 1<sup>st</sup> of each calendar year. The reports shall be submitted in both hardcopy and electronic format.

**8 MISCELLANEOUS CONDITIONS**

1. Segregate and stockpile topsoil from landfill construction for use as growth medium for the final cover
2. Open Burning at the site is prohibited pursuant to NAC 444.640(1)
3. The Permittee shall follow the Site Beautification Plan in Appendix J; the Permittee shall modify the slope along Lackawanna Road which will be modified and re-vegetated in accord with NAC 444.678(6)
4. Reserved

**9 COMPLIANCE SCHEDULE**

In response to the Groundwater Contamination found in wells, the City of Ely shall sample the following wells Bi-Annually:

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. LFMW-1</li> <li>2. LFMW-2</li> <li>3. LFMW-3</li> </ol> | <ol style="list-style-type: none"> <li>4. Artesian</li> <li>5. WWTP#5</li> </ol> |
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**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> <hr style="width: 80%; margin: auto;"/>	<b>R. Eric Noack, Chief</b> <b>Bureau of Waste Management</b>	7/10/06 <hr style="width: 80%; margin: auto;"/> <i>Date</i>

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