

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(Pursuant to NAC 445A.236)

Permittee Name: Refuse, Inc. (Waste Management of Nevada, Inc.)

Permit Number: NEV2010502

Description of Discharge Treated effluent discharge for dust control at areas owned by Waste Management Inc. that are outside of the operating area of the Lockwood Regional Landfill plant.

Location: Lockwood, Storey County, Nevada

at

Section 22,23,26,27, T. 19 N., R. 21 E., MDB&M
Latitude: 39° 29' 24" N; Longitude: 119° 36' 36 " W

Characteristics: The permittee (Waste Management of Nevada, Inc.) is requesting the use of Category B quality treated effluent under NAC 445a.2766 for dust control over earthen grounds outside of the operating footprint of the landfill. This permit will cover the dust control application over areas that are not within the operating footprint of the landfill, including haul roads and soil piles. All of the treated effluent will be supplied from the new Canyon GID wastewater treatment plant. This effluent quality is required by permit to be secondary treated effluent with disinfection using hypochlorite. The effluent will be disinfected and denitrified to Category B standards.

The effluent will be pumped to a 0.60 million gallon lined reservoir at the landfill and distributed via effluent water trucks to the haul roads. Again, this permit covers the application of the effluent water to property outside of the footprint of the landfill.

Flow: The flow rate to the pond is limited to 140,000 gpd on a 30-day average basis.

Site Crosschecks: The facility is not located within a high risk well head capture zone or within a Bureau of Corrective Actions remediation site.

Permit Monitoring and Limitations:

The discharge shall be limited and monitored by the permittee as specified below:

I.A. EFFLUENT LIMITATIONS, MONITORING REQUIREMENTS CONDITIONS

I.A.1. **DISCHARGE MONITORING:** During the period beginning on the effective date of this permit, and lasting until the permit expires, the Permittee is authorized to discharge disinfected secondary treated effluent from the Canyon GID wastewater treatment plant to roadside areas outside of the landfill operating footprint. The treated effluent will meet Category B standards per NAC 445A.2764.

I.A.2. Samples taken in compliance with the monitoring requirements specified below shall be taken at the following locations:

- a. An effluent sample shall be provided from the discharge pipe to the effluent storage pond at the landfill. This sample shall be provided by the GID. Discharge of the disinfected secondary treated water shall be recorded via a flow meter on the transmission line to the effluent storage pond.

The discharge shall be limited and monitored by the Permittee as specified in Table 1:

Table 1: Plant Discharge Limitations

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type or Location
Treated Effluent Delivery from Canyon GID (gpd)	140,000	M & R	Continuous	Flow Meter
Treated Effluent Discharged, (gpd)	M&R	M&R	Continuous (Logbook)	Each Water Truck Filled
pH, Std. Units	Within 6.0 – 9.0 ¹		Quarterly	Effluent
Fecal Coliform (mpn/100ml)	200 mpn/100 ml ¹		Monthly	Effluent

¹ The permittee may use the sampling data provided from the supplier (Canyon GID) for these parameters.

General: The Lockwood Regional Landfill needs to control fugitive dust as required by its air pollution control permit. The use of treated effluent for this purpose is allowable under NAC 445A.2766.

Receiving Water Characteristics: The groundwater at the area is over 100 feet below the ground surface and therefore should not be impacted by the effluent application for dust control.

Procedures for Public Comment

The notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit is being sent to the RENO Gazette Journal for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing scheduled by the Administrator must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit. The permit will be for a five (5) year period.

Schedule of Compliance and Special Conditions

See Permit Part I.A.3 for detailed Compliance requirements

Rationale for Permit Requirements

Monitoring is required to assure proper application of treated effluent for dust control.

Prepared by: Joseph Maez
November 2009