



**FACT SHEET**

(Pursuant to the Solid Waste Disposal Regulations of the Nevada Administrative Code [NAC] 444.641.3[b])

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**Permittee Name:** New Nevada Lands, LLC

**Facility Name:** Jungo Landfill

**Permit Number:** SW495REV02

**Description of Proposed Permit Modification**

None at this time

**Location Information**

The site vicinity is sparsely vegetated with greasewood. The site is located on a 634-acre parcel consisting of Section 7 of Township 35N, Range 33E of the Mount Diablo Baseline and Meridian.

**Proposed Action**

None at this time

**Facility Summary**

**Site Summary**

The Jungo Disposal Site is located at the southern end of Desert Valley approximately 30 miles west of Winnemucca along the south side of Jungo Road. Regionally, the site is located in an arid, relatively flat, desert basin bound by the Jackson Mountains to the west and northwest, the Antelope Range to the southwest, Alpha Mountain to the south, and the Eugene Mountains to the southeast.

The Jungo Disposal Site is bounded by Union Pacific Railroad property to the northwest and elsewhere by publicly-owned land administered by the Bureau of Land Management (BLM). The Jungo Disposal Site and surrounding property are zoned M-3 - Open Land Use. The M-3 designation allows for conditional commercial uses, such as landfill disposal operations, provided such uses are approved by the Humboldt Planning Commission (HPC). A Special Use Permit (issued by Humboldt county) in April 2007 permits the site to be developed as a municipal waste disposal site.

**Climate and Hydrology**

The site is located in an arid region, where precipitation is controlled primarily by the rain-shadow effects imposed by the Sierra Nevada range located 150 miles to the west. The Jackson Mountains located on the west side of Desert Valley, cause a similar orographic effect, but of a lesser magnitude (Berger, 1995). Precipitation results primarily from thunderstorms in the summer, and snow and rain in the winter. The mean annual precipitation is estimated to be approximately 8 inches. The mean annual precipitation in Winnemucca located 30 miles to the east (1897-2006) is 8.3 inches. Three different sources (Western Regional Climate Center; World Climate.com; and Berger, 1995) provide mean annual precipitation values ranging between 7.97 inches to 9.1 inches for a precipitation gauge at the Jungo-Meyers Ranch, located approximately 4 miles west of the Jungo Disposal Site. This precipitation gauge was measured from 1968 to 1986. Temperatures in the summer months occasionally exceed 100o F. Winters are cool with temperatures often below 0oF. Based on data from Rye Patch Reservoir located 14 miles to the south, evaporation from free water sources is approximately 48-inches per year (Cohen, 1965). The prevailing wind direction in Desert Valley is toward the west-southwest. The 25-year, 24-hour storm event is estimated to be 1.62 inches (NOAA, 2006).

**Topography and Drainage**

The Antelope Range, Alpha Mountain, and Eugene Mountains form the topographic divides at the southern end of the Desert Valley near the general location of the Jungo Disposal Site. The low-points of these topographic divides ranges from approximately 4,250 feet msl to 4,400 msl. The valley floor is relatively flat. At the southern end of the valley, the elevations generally range from 4,180 feet msl to 4,155 feet msl and slope from the



## NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

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southeast to the northwest. At the Jungo Disposal Site, the elevations range from a high of 4,177 feet msl at the southeast corner of the property to a low of 4,172 feet msl at the southwest corner of the property.

Desert Valley is a 1,032-square mile hydrographic sub-area within the Black Rock Desert Region hydrographic basin. Streams from the surrounding mountains are ephemeral and rarely discharge to the valley floor and instead infiltrate through the upper coarse alluvial fans or evaporate (Berger, 1995). Precipitation or snow melt on the valley floor accumulates in localized depressions until it infiltrates or evaporates. At the Jungo Disposal Site, these shallow depressions are on the order of several inches deep. During normal precipitation events, water accumulates in the depressions until it evaporates or infiltrates into the subsurface soils.

In the event of intense storms, it is possible that localized depressions may fill and then sheet flow to the next depressions located to the north or west. This is consistent with the United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) (2007), which estimates that ponding may occur locally to depths of 6 to 12 inches. Large alkali flats are located in larger depressions that are approximately 2 miles west and north of the Jungo Disposal Site with surface elevations ranging from 4,162 to 4,164 feet msl. These alkali flats are located in an area identified by Berger (1995) as containing hard-pan, or low-permeability clays and silts, which impede infiltration.

#### Geology

The Desert Valley lies within the Basin and Range Geomorphic Province, which is characterized by north-south trending uplifted mountain ranges adjacent to down-dropped valleys or basins. Desert Valley is a north-south trending structural basin with a relatively flat valley floor that is approximately 55-miles long and 12-miles wide. Mountain ranges provide topographic boundaries at the edges of the valley floor. The Jungo Disposal Site is located in the southernmost portion of Desert Valley. This end of Desert Valley is bound to the west by the Jackson Mountains, to the southwest by the Antelope Range, and to the east by the Eugene Mountains.

#### Document Availability

The ADMINISTRATIVE RECORD, which includes the DRAFT PERMIT, and correspondence are available for public review by appointment between 8:00 AM and 5:00 PM, Monday through Friday, at the Division offices located at: 901 S. Stewart St., Suite 4001, Carson City, NV 89701-5249.

Contact: Paul Eckert at (775) 687-9477, or by e-mail at: [PEckert@ndep.nv.gov](mailto:PEckert@ndep.nv.gov)

#### Procedure for Public Review

Questions or comments may be submitted on or before the end of the public comment period.

In writing: Paul Eckert, P.E.  
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web: [News and Public Notices](#)

The Division's Notice of Intent to approve the modified Permit for this facility, subject to the conditions contained in the Permit, will be published in a local newspaper. Additionally, the Public Notice will be mailed to interested persons on our mailing list. The Division will accept written comments on the proposed draft permit from all interested persons until the end of the public comment period.



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**Will there be a public hearing?**

N/A

**When does the comment period end?**

N/A