



# STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

## FACTSHEET (pursuant to NAC 445A.236)

**Permittee Name:** ECHEVERRIA PUMPING LLC  
PO BOX 1525  
WINNEMUCCA, NV - 89446

**Permit Number:** NS2001519

**Location:** ECHEVERRIA PUMPING LLC, HUMBOLDT  
8605 JUNGO ROAD, WINNEMUCCA, NV - 89446  
LATITUDE: 40.964567, LONGITUDE: -117.8379  
TOWNSHIP: T36N, RANGE: R37E, SECTION: S29

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	FIELD	Land Application Site						40.964567	-117.8379	GROUNDWATER

### General:

The Permittee proposes to continue to land apply domestic septage, portable toilet fluid, and grease interceptor material to a 124.57-acre, nutrient deficient site approximately five miles west of Winnemucca on the north side of Jungo Road at Cyanco Drive under Authorization to Apply Domestic Septage NS2001519. The Permittee has been authorized to land apply domestic septage at the site since March 28, 2002 under NEV2001519 as Echeverria's. From October 25, 2001 through March 24, 2002, the site was operated under Temporary Permit TNEV2001399 by Gary Echeverria, as Echeverria's Plumbing and Heating.

In the past, the Permittee had been applying septage without watering, and therefore not producing a crop. In August, 2012, the Permittee acquired water rights and drilled irrigation wells in order to water the crop. A field inspection shortly after installation of irrigation wells found that a crop is growing and the Permittee is in compliance with the current permit. An updated Operations and Maintenance manual will be required from the Permittee showing updated nitrogen uptake rates and crop yields.

The crop yield will be monitored to determine future application rates. The permit will also authorize the continued storage of a maximum of 20,000 gallons of these fluids in two 10,000-gallon steel, underground storage tanks.

### Discharge Characteristics:

Only domestic septage, portable toilet fluid, and grease interceptor material may be land applied under this permit. No analysis of the domestic septage, portable toilet fluid, or the grease interceptor material is required. Grease interceptor material shall be mixed with domestic septage at a rate of one part grease interceptor material to a minimum of three parts domestic septage, by volume, before it is land applied.

Material pumped from portable toilets, holding tanks, or similar devices where the material is unlikely to have been anaerobically digested shall be applied at one-sixth of the domestic septage land application rate.

The land application of industrial or commercial waste, including material pumped from sand traps, car washes, etc. is not authorized by this permit.

**Receiving Water:**

The permit application lists the depth to groundwater at the land application site as greater than 120 feet below ground surface (bgs). There are two water wells within one mile of the project site. In 2004, Winnemucca Regional Raceway, located adjacent to the Echeverria Property, constructed a six-inch water supply well and first encountered water at 120 feet bgs; the static water level in this well at the time of completion was 91 feet bgs. This water is potable but water quality data was not provided. In 1953, Norman Kelly constructed a stockwater well in Section 30 and first encountered water at 114 feet bgs. Water quality data for this well was not provided.

**Summary of Changes From Previous Permit:**

Due to new Permit naming conventions at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2001519 to NS2001519. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for groundwater discharges to the State of Nevada. These are not to be confused with "NV" permits which are reserved for NPDES Permitting.

**Proposed Water Quality-Based Effluent Limitations:**

The application volume shall not exceed the agronomic uptake rate of the crop.

**Special Conditions:**

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

**Flow:**

The application rate, in gallons of septage per acre per year, shall be based on the amount of nitrogen required by the planned crop, rye grain.

$$\text{gallons/acre} = \text{pounds of nitrogen required for crop yield} \div 0.0026$$

Example: A crop nitrogen requirement of 45 pounds per acre per year and a 30-day average flow of 17,600 gallons per month would require approximately 12.2 acres per year for land application. The 45 pounds of nitrogen per acre is an example based on an estimated rye nitrogen demand with dry land farming and 1,000 pounds per acre of above ground production. Nitrogen demand values should be based on the recommendations of the Cooperative Extension Service or other cropping expert with local experience regarding crop nitrogen demand and yields.

The Permittee has requested a 30-day average flow of 0.0015 million gallons per day. Permits for the land application of domestic septage are frequently not flow limited, provided that adequate land is available for application.

**Corrective Action Sites:**

There are no Bureau of Corrective Actions remediation sites within one mile of this facility.

**Wellhead Protection Program:**

This facility is not located within a wellhead protection area or a drinking water protection area.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
	Within 60 days of permit issuance, the Permittee shall submit two copies of a new Operations and Maintenance (O&M) Manual covering the land application and beneficial use of the domestic septage and grease interceptor material at the facility to the Division for	

1	review and approval. The O&M shall include planned cropping practices, agronomic rates, septage application rates and justification for the application rates, delineation of the areas within the 124.57-acre site proposed for land application, method of screening, method of incorporation, storage tank use, etc.	7/6/2013
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**Deliverable Schedule:**

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Reports	Quarterly	7/28/2013
2	Annual Reports	Annually	1/28/2014

**Procedures for Public Comment:**

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Humboldt, 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 until 5:00 P.M. **5/3/2013**, 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, the Regional Administrator of EPA Region IX 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 determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined 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.650.

**Proposed Determination:**

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Robert Wimer**

Date: **3/27/2013**

Title: **E.I.**