



# 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:** EW COUNTRY TERRACE, LLC  
463 S. MOONBEAM WAY  
EAGLE, ID - 83616

**Permit Number:** NS2010510

**Location:** COUNTRY TERRACE MOBILE HOME PARK, WASHOE  
11 TUCK CIRCLE, RENO, NV - 89506  
LATITUDE: 36.63, LONGITUDE: -119.858056  
TOWNSHIP: 20N, RANGE: 19E, SECTION: 4

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	TANK #1 (10,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.630464	-119.856425	GROUNDWATER
002	TANK #2 (5,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.629553	-119.857319	GROUNDWATER
003	TANK #3 (10,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.630222	-119.857542	GROUNDWATER
004	TANK #4 (5,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.629758	-119.857675	GROUNDWATER
005	TANK #5 (5,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.629757	-119.858156	GROUNDWATER
006	TANK #6 (14,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.629669	-119.858897	GROUNDWATER
007	TANK #7 (10,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.629975	-119.859558	GROUNDWATER
008	TANK #8 (7,000 GAL)	External Outfall		RENO	NV	89506	WASHOE	39.630328	-119.858411	GROUNDWATER
MW1	MONITORING WELL #1	Monitoring Well		RENO	NV	89506	WASHOE	39.63	-119.858056	GROUNDWATER
MW2	MONITORING WELL #2	Monitoring Well		RENO	NV	89506	WASHOE	39.63	-119.858056	GROUNDWATER
MW3	MONITORING WELL #3	Monitoring Well		RENO	NV	89506	WASHOE	39.63	-119.858056	GROUNDWATER

### General:

The Permittee is proposing to continue discharging from their onsite sewage disposal systems (OSDS) at the Country Terrace Mobile Home Park (MHP), located in the residential community of Lemmon Valley, Reno, Nevada. The mobile home park is approximately 12 miles north of downtown Reno. Country Terrace MHP operates eight septic tanks and various leach fields located throughout the facility, with a combined OSDS capacity of approximately 66,000 gallons. The park was previously authorized to discharge under general permit GNEVOSDS09L0014. In accordance with NAC 445A.9542 and 445A.9544, NDEP is requiring the facility to seek coverage under an individual permit due to the OSDS handling more than 15,000 gallons per day.

**Discharge Characteristics:**

This permit will authorize the discharge of OSDS treated domestic wastewater to groundwater of the State of Nevada via percolation in a leach field. The discharge of any toxic, hazardous, industrial or laboratory waste material from any OSDS is strictly prohibited.

**Receiving Water:**

Receiving water is groundwater of the State. The depth to groundwater is believed to be approximately 60 feet below ground surface, and modeling shows that groundwater flows in a north-northeastern direction. Due to the large volume of OSDS effluent discharged at this facility and proximity to domestic water wells, the Division is requiring the Permittee to install three groundwater monitoring wells, one upgradient and two downgradient. The Schedule of Compliance section of the permit requires these wells to be installed by September 30, 2014 and the first quarterly groundwater monitoring results be submitted in the 4th quarter 2014 discharge monitoring report (DMR).

**Summary of Changes From Previous Permit:**

This a new permit.

**Proposed Effluent Limitations:**

During the period beginning on the effective date of this permit and lasting until the permit expires, the Permittee is authorized to discharge OSDS effluent from eight septic tanks to groundwater via leach fields.

The Permittee shall monitor the depth of sludge, scum, and total liquids in all septic tanks at least once a year. Septic tanks shall be pumped when the combined scum and sludge depth is equal to or greater than 50% of the total liquid depth. In lieu of this monitoring requirement, the Permittee may submit documentation every year showing that the septic tanks have been pumped by a licensed septage hauler in the previous 12 months.

**Groundwater Monitoring Wells Table for Sample Location Mw1 (Monitoring Well) To Be Reported Quarterly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	MW1	Quarterly	STATIC
Nitrogen, total	Value		<= 10 Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT

**Groundwater Monitoring Wells Table for Sample Location Mw2 (Monitoring Well) To Be Reported Quarterly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	MW2	Quarterly	STATIC
Nitrogen, total	Value		<= 10 Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT

### Groundwater Monitoring Wells Table for Sample Location Mw3 (Monitoring Well) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	MW3	Quarterly	STATIC
Nitrogen, total	Value		<= 10 Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT

#### Rationale for Permit Requirements:

Groundwater monitoring well installation and subsequent sampling have been implemented to ensure groundwater in this area is not being impacted by this facility.

In accordance with NAC 445A.286 and 445A.289, a Grade I Wastewater Operator is required to oversee an OSDS system of greater than 10,000 gallon capacity.

#### Special Conditions:

The Permittee shall operate the facility in compliance with permit provisions and requirements and in accordance with the Division-approved Operation and Maintenance (O&M) Manual. The O&M Manual shall contain the information to comply with this permit.

#### SA – Special Approvals / Conditions Table

Item #	Description
1	Septic tank treatment and disposal systems shall be used only for the treatment of domestic sewage. Domestic sewage is defined in NAC 445A.9532 and means any liquid and water-borne waste that is derived from the ordinary living process and is of such a character as to permit its satisfactory disposal into a public sewer or an onsite sewage disposal system without special treatment. The term does not include industrial waste. The discharge of toxic, hazardous, industrial, or laboratory waste material to any permitted OSDS is strictly prohibited.
2	The Permittee shall conduct regular and routine inspections and maintenance in accordance with the Division-approved O&M Manual.
	The Permittee shall submit an Annual Large-Capacity Septic System Evaluation Report to the Division on or before January 28th of each year. The depth of scum, sludge, and total liquid in all septic tanks

Item #	Description
3	shall be measured every year and reported as the biennial report. Measurements may be made at any time during the 12 month reporting period. The Annual Large-Capacity Septic System Evaluation Report shall be filled out and signed by the Grade I Operator overseeing the facility. <sup>[1]</sup>
4	Septic tanks shall be pumped by a licensed septage hauler whenever the combined depth of scum and sludge equals or exceeds 50% of the total liquid depth, or more frequently as necessary to maintain efficient solids removal. The date, tank number, volume of septage removed, and the name of the septage hauler shall be maintained onsite in accordance with Part A.11. of the permit. Sludge disposal shall be in accordance with applicable regulations.
5	The rated treatment capacity of each septic tank shall not be exceeded.
6	In accordance with the Division's August 2010 design approval of the leach field at the north end of the property, no additional wastewater flow shall be connected to septic tanks #3 and #8 and/or the attached leach field.
7	Surfacing of any substance from a septic system is strictly prohibited.
8	If groundwater monitoring shows that the facility is impacting downgradient groundwater, the Permittee shall develop a plan to implement an alternative method to dispose of the sewage generated at this facility.

Notes (Special Approvals / Conditions Table):

- In lieu of this requirement, the Permittee may submit documentation on or before January 28th of each year showing that the septic tanks have been pumped within the previous 12 months.

**Flow:**

The combined capacity of all septic tanks at this facility is 66,000 gallons.

**Corrective Action Sites:**

There is one Bureau of Corrective Actions (BCA) remediation site located within one mile of this facility. The BCA case officer does not expect the continuation of OSDS effluent discharge to impact this remediation site.

**Wellhead Protection Program:**

The facility is partly located within the 6000' Drinking Water Protection Area for several public supply wells located south of U.S. Highway 395. These wells are upgradient of Country Terrace, and are not anticipated to be adversely effected by OSDS effluent disposal.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of a new septic system Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall be prepared by a Nevada Registered Professional Engineer or other qualified person. <sup>[1]</sup>	6/30/2014
2	The Permittee shall submit for review and approval design plans for the installation of three groundwater monitoring wells. The design plans shall submitted by a hydrogeologist or Nevada Registered Professional Engineer in accordance with NDEP guidance document WTS-4, "A Guidance Document for the Design and Construction of Groundwater Monitoring Wells for Use at Wastewater Treatment Facilities." <sup>[1]</sup>	6/30/2014

3	The Permittee shall submit documentation confirming the three groundwater monitoring wells were installed.	9/30/2014
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## Notes (Schedule of Compliance Table):

- O&M Manuals and/or Monitoring Well Design Plans prepared by Nevada Registered Engineers must be signed and stamped in accordance with NAC 625.610.

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Annual Large-Capacity Septic System Evaluation Report	Annually	1/28/2015

**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 **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. **4/15/2014**, 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: **Jason Ferrin**

Date: **1/29/2014**

Title: **E.I., Staff II Associate**