



STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: RYNDON ON THE RIVER LLC
4890 N VIRGINIA STREET
RENO, NV - 89506

Permit Number: NS2013512

Location: ELKO RV PARK AT RYNDON, ELKO
507 SCOTT ROAD, ELKO, NV - 89801
LATITUDE: 40.947778, LONGITUDE: -115.598611
TOWNSHIP: T35N, RANGE: R57E, SECTION: S06

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	ST-1A (3,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.946389	-115.598611	GROUNDWATER
002	ST-1B (2,500 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.946667	-115.598611	GROUNDWATER
003	ST-2 (3,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.946667	-115.599167	GROUNDWATER
004	ST-3 (3,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.946667	-115.599722	GROUNDWATER
005	ST-4A (5,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.947778	-115.597778	GROUNDWATER
006	ST-5A (3,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.948333	-115.599722	GROUNDWATER
007	ST-5B (3,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.948056	-115.599722	GROUNDWATER
008	ST-5C (2,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.948056	-115.598333	GROUNDWATER
009	ST-5D (2,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.948333	-115.598333	GROUNDWATER
010	ST-5E (2,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.948611	-115.598333	GROUNDWATER
011	ST-6 (4,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.945833	-115.597222	GROUNDWATER
012	ST-7 (4,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.945833	-115.5975	GROUNDWATER
013	ST-8 (3,000 GAL)	External Outfall		ELKO	NV	89801	ELKO	40.945833	-115.598333	GROUNDWATER
014	MONITORING WELL #2	Monitoring Well		ELKO	NV	89801	ELKO	40.946667	-115.598333	GROUNDWATER
015	MONITORING WELL #4	Monitoring Well		ELKO	NV	89801	ELKO	40.945556	-115.599167	GROUNDWATER
016	MONITORING WELL #10	Monitoring Well		ELKO	NV	89801	ELKO	40.946389	-115.598889	GROUNDWATER

General:

The applicant is proposing to upgrade and expand the existing on-site sewage disposal system (OSDS) at Elko RV Park at Ryndon, a 118-space RV park located approximately 11 miles northeast of the City of Elko. Phase I of the upgrades will include the improvement of 30 existing RV spaces by the installation of three 2,000-gallon septic tanks. Phase II work will include a 50-space expansion and the installation of two 4,000-gallon septic tanks and one 3,000 gallon septic tank. Upon project completion, Elko RV Park at Ryndon will operate a total of 13 septic tanks with a combined capacity of 39,500 gallons. The existing septic tanks at

this facility were previously operated under NDEP general permit GNEV9201-40025.

Discharge Characteristics:

This permit will authorize the discharge of OSDS treated domestic wastewater to groundwater of the State via percolation in absorption trenches. The discharge of toxic, hazardous, or industrial waste materials to any permitted OSDS is strictly prohibited.

Receiving Water:

Receiving water is groundwater of the State of Nevada. Depth to groundwater is reported to be approximately 15 feet below ground surface. Groundwater is reported to flow westerly towards the Humboldt River at a depth of approximately 15 feet below ground surface. Groundwater monitoring results from a sampling event on July 31, 2013, show nitrate levels of 2.2 mg/L (MW #2), 2.4 mg/L (MW #4), and 3.3 mg/L (MW #10). Due to the proximity of the Humboldt River, quarterly groundwater monitoring will be required.

Summary of Changes From Previous Permit:

This is a new permit.

Proposed Effluent Limitations:

The Permittee shall monitor the depth of sludge, scum, and total liquids in all septic tanks annually. 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 the monitoring requirement, the Permittee may submit documentation each year showing that the septic tanks have been pumped.

Groundwater shall be monitored quarterly in MW #2, MW #4, and MW #10.

Groundwater Monitoring Wells Table for Sample Location 014 (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
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	014	Quarterly	DISCRT
Depth to water level ft below landsurface	Value	M&R Feet (ft)		Groundwater	014	Quarterly	DISCRT
Nitrogen, total	Value		< 10.0 Milligrams per Liter (mg/L)	Groundwater	014	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	014	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location 015 (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	015	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	015	Quarterly	DISCRT
Nitrogen, total	Value		< 10.0 Milligrams per Liter (mg/L)	Groundwater	015	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	015	Quarterly	DISCRT

Groundwater Monitoring Wells Table for Sample Location 016 (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	016	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	016	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	016	Quarterly	DISCRT
Nitrogen, total	Value		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	016	Quarterly	DISCRT

Rationale for Permit Requirements:

To monitor the working capacity of the individual septic tanks and to ensure groundwater resources are not diminished.

Special Conditions:

The Permittee shall operate the facility in compliance with permit provisions and requirements, and in accordance with the Division-approved Operations and Maintenance (O&M) Manual. The O&M Manual shall contain the information required 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 on-site 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.
3	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 shall be measured annually and reported as the annual report. Measurements may be made at any time during the 12 month reporting period. [1]
4	Septic tank(s) 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 on-site in accordance with Part A.11. of the permit. Sludge

Item #	Description
	disposal shall be in accordance with applicable regulations.
5	The rated treatment capacity of each septic tank shall not be exceeded.
6	Surfacing of any substance from a septic system is strictly prohibited.
7	All leachfields shall be posted. Vehicular traffic and the movement of heavy equipment over the leachfields shall be prevented.

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 tank(s) have been pumped within the previous 12 months.

Flow:

The combined capacity of all septic tanks at this facility will be 39,500 gallons.

Corrective Action Sites:

There are no NDEP Bureau of Corrective Actions remediation sites within a 1-mile radius of this facility.

Wellhead Protection Program:

This facility is located within the 1,000-foot Drinking Water Protection Areas established for two public water supply wells. These wells are sampled and tested quarterly for total coliform levels. A Wellhead Protection Area has not been established for this area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of a septic system Operation 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. ^[1]	9/1/2013

Notes (Schedule of Compliance Table):

- O&M Manuals prepared by Nevada Registered Professional 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	Discharge Monitoring Reports (Monitoring Well Analysis Results)	Quarterly	10/28/2013
2	Annual Large-Capacity Septic System Evaluation Report (Annual Report) ^[1]	Annually	1/28/2014

Notes (Deliverable Schedule for Reports, Plans, and Other Submittals):

- A copy of the Annual Large-Capacity Septic System Evaluation Report form is included with the permit.

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 **Elko Daily Free Press and 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. **9/26/2013** , 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: **Arthur Marr III**

Date: **8/22/2013**

Title: **P.E.**