



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: RUBY DOME HOLDINGS LLC

507 SCOTT RD
ELKO, NV 89801

Permit Number: NS2013512

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: ELKO RV PARK, 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	Latitude	Longitude	Receiving Water
001	SEPTIC TANK & LEACH FIELD-1A (3,000 GAL)	External Outfall		40.946407	-115.598591	GROUNDWATER
002	SEPTIC TANK & LEACH FIELD-1B (2,500 GAL)	External Outfall		40.946719	-115.598632	GROUNDWATER
003	SEPTIC TANK & LEACH FIELD-2 (3,000 GAL)	External Outfall		40.946653	-115.599327	GROUNDWATER
004	SEPTIC TANK & LEACH FIELD-3 (3,000 GAL)	External Outfall		40.946695	-115.599850	GROUNDWATER
005	SEPTIC TANK-4A (5,000 GAL)	Internal Outfall		40.947721	-115.597860	GROUNDWATER
006	SEPTIC TANK-5A (3,000 GAL)	Internal Outfall		40.948520	-115.599791	GROUNDWATER
007	SEPTIC TANK-5B (3,000 GAL)	Internal Outfall		40.948156	-115.599782	GROUNDWATER
008	SEPTIC TANK-5C (2,000 GAL)	Internal Outfall		40.948305	-115.598528	GROUNDWATER
009	SEPTIC TANK-5D (2,000 GAL)	Internal Outfall		40.948448	-115.598518	GROUNDWATER
010	SEPTIC TANK-5E (2,000 GAL)	Internal Outfall		40.948626	-115.598510	GROUNDWATER
011	PROPOSED SEPTIC TANK & LEACH FIELD-6 (4,000 GAL)	External Outfall		40.945833	-115.597222	GROUNDWATER
012	PROPOSED SEPTIC TANK & LEACH FIELD-7 (4,000 GAL)	External Outfall		40.945833	-115.5975	GROUNDWATER
013	PROPOSED SEPTIC TANK & LEACH FIELD-8 (3,000 GAL)	External Outfall		40.945833	-115.598333	GROUNDWATER
014	MONITORING WELL #1- UPGRADIENT (MW-1)	Monitoring Well		40.948434	-115.597294	GROUNDWATER
015	MONITORING WELL #2- DOWNGRADIENT (MW-2)	Monitoring Well		40.946648	-115.598291	GROUNDWATER

016	MONITORING WELL #3- DOWNGRADIENT (MW-3)	Monitoring Well		40.945155	-115.597954	GROUNDWATER
017	MONITORING WELL #4- DOWNGRADIENT (MW-4)	Monitoring Well		40.945684	-115.598942	GROUNDWATER
4A5	LEACH FIELD 4A-5, COLLECTION OF SEPTIC TANKS: 005, 006, 007, 008, 009, & 010) (17,000 GALLONS)	External Outfall		40.947387	-115.597740	GROUNDWATER

Permit History/Description of Proposed Action

This is a permit renewal. The Permittee, Ruby Dome Holdings LLC, owns and operates ten Onsite Sewage Disposal Systems (OSDSs), with an option to add three additional systems in the future, that receive and treat domestic sewage generated at the Ruby Dome Holdings LLC RV Park, located in Elko County, Nevada.

Wastewater generated at the facility is conveyed to ten active septic tanks with a combined capacity of 28,500 gallons and is treated and disposed of through five leach fields. The facility also retains the option to install three additional septic systems in the future, with a combined septic tank capacity of 11,000 gallons.

The facility is equipped with four groundwater monitoring wells to monitor the potential impact of wastewater disposal on groundwater quality. Groundwater monitoring shall be conducted in accordance with the monitoring requirements specified in this permit to ensure protection of the waters of the State.

Facility Overview

Ruby Dome Holdings LLC owns and operates an RV park in Elko County, Nevada, consisting of 129 RV parking sites, two restroom buildings, two shower facilities, two laundry rooms, and one dump station. The facility generates domestic wastewater from these activities, which is collected and treated through OSDs.

The facility currently operates 10 active septic tanks with a combined treatment capacity of 28,500 gallons. Treated wastewater is conveyed to and disposed of through five leach fields. The facility also retains the option to install three additional septic systems in the future, providing an additional combined septic tank capacity of 11,000 gallons.

Four groundwater monitoring wells are installed at the facility to monitor groundwater quality and evaluate potential impacts associated with subsurface wastewater disposal. Groundwater monitoring is required under this permit to ensure protection of the waters of the State.

The Permittee will submit an O&M Manual to BWPC within 90 days following issuance of the permit renewal.

Outfall Summary

The facility utilizes five subsurface disposal outfalls consisting of engineered leachfield systems designed to infiltrate primary-treated domestic wastewater into the native soils. The five active disposal outfalls are Outfall 001 (Septic Tank & Leach Field 1A), Outfall 002 (Septic Tank & Leach Field 1B), Outfall 003 (Septic Tank & Leach Field 2), Outfall 004 (Septic Tank & Leach Field 3), and Outfall 4A5 (Leach Field 4A5, receiving wastewater from Septic Tanks 4A and 5A through 5E). Internal Outfalls 005 through 010 correspond to Septic Tanks 4A, 5A, 5B, 5C, 5D, and 5E, respectively, with capacities of 5,000, 3,000, 3,000, 2,000, 2,000, and 2,000 gallons. These internal outfalls convey wastewater to the Outfall 4A5 leach field and do not represent separate subsurface disposal locations. The active septic tanks have a combined capacity of 28,500 gallons. Treated domestic wastewater is disposed of through subsurface infiltration, with no surface discharge authorized under this permit.

The facility retains the option to install three additional septic tank and leachfield systems identified as Outfalls 011, 012, and 013, with a combined septic tank capacity of 11,000 gallons. These systems are not currently constructed or in use.

Groundwater monitoring is conducted through four monitoring wells installed in the vicinity of the disposal

systems: MW1 upgradient (Monitoring Well #1), MW2 (Monitoring Well #2), MW3 (Monitoring Well #3), and MW4 (Monitoring Well #4). The monitoring wells are used to evaluate groundwater quality and potential impacts associated with wastewater disposal activities. Groundwater monitoring shall be conducted in accordance with the requirements of this permit.

Effluent Characterization

The wastewater treated in the septic tanks originates solely from domestic sources associated with the Ryndon on the River RV Park facility, including administrative offices, restroom buildings, laundry rooms, shower facilities, and other staff support facilities. Domestic wastewater is conveyed to 10 active septic tanks (3 future septic tanks) for primary treatment and is subsequently discharged via gravity collection systems to the 5 active leach fields (3 additional proposed leach field systems) for subsurface disposal. No industrial wastewater is discharged to the OSDS.

Only domestic sewage, as defined in Nevada Administrative Code (NAC) 445A.9532, is authorized for discharge to the OSDS. The discharge of toxic, hazardous, industrial, process, or mine wastewater to any permitted OSDS is strictly prohibited.

Pollutants of Concern

"Pollutants of Concern" refers to substances or parameters present in a discharge that may adversely affect the physical, chemical, or biological quality of the receiving water. For a properly designed, operated, and maintained septic tank and leachfield system receiving only domestic sewage, total nitrogen is typically considered the primary pollutant of concern due to its potential to migrate to groundwater.

When the OSDS is functioning as designed, pathogens such as total coliform and *Escherichia coli* (*E. coli*) are generally not considered pollutants of concern because treatment, soil attenuation, and subsurface disposal provide effective separation between the effluent and potential human or environmental exposure pathways.

Based on discharge monitoring reports (DMRs) for the monitoring wells installed at the site, no pollutants of concern have exceeded the permit limits or restrictions.

Receiving Water

The receiving water is groundwater of the State of Nevada. Based on site-specific groundwater and soil investigations, depth to groundwater is reported to range from approximately 8 to 20 feet below ground surface, with an average depth of approximately 15 feet. Monitoring wells at the site indicate that total nitrogen concentrations in groundwater are below 10 mg/L. A unit error in the previous permit resulted in reported total nitrogen monitoring concentrations that were 1,000 times greater than the actual results. Groundwater is reported to flow westerly toward the Humboldt River at a depth of approximately 15 feet below ground surface. Due to the proximity of the Humboldt River, which is located less than 200 feet from the facility, quarterly groundwater monitoring is required.

Compliance History

A review of the facility's DMRs found that all reported monitoring well data were within the permit limits.

However, several data quality and reporting issues were identified during the review. Some reported total nitrogen concentrations were based on laboratory analyses that tested only for Total Kjeldahl Nitrogen (TKN) and did not include nitrate and nitrite. Therefore, these results may not represent total nitrogen, which includes TKN, nitrate, and nitrite, and should be evaluated accordingly.

An error was also identified in the original permit for Monitoring Well #1, in which the reporting units for total nitrogen were incorrectly identified as micrograms per liter (µg/L) rather than milligrams per liter (mg/L).

The facility was required to submit the missing annual large-capacity septic system evaluation reports for 2022 through 2024.

Following issuance of the permit renewal, the Permittee will also be required to submit an O&M Manual to BWPC.

Monitoring Well #4 was observed to have a corroded steel casing that may allow contaminants or rodents to enter the well. The Permittee was required to have a licensed well driller repair or replace the casing.

The Permittee shall remove vegetation from the leach fields and maintain a minimum 10-foot buffer from the leach fields to prevent leach line obstruction and soil compaction.

Proposed Effluent Limitations

The Permittee is authorized to discharge in accordance with the limitations, requirements, and conditions of this permit. The Permittee is required to meet the following permit requirements:

Groundwater Monitoring Wells Table for Sample Location 014 (Monitoring Well #1- Upgradient (Mw-1)) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	014	Quarterly	DISCRT
Water level relative to mean sea level ^[2]	Daily Maximum	M&R Feet (ft)		Groundwater	014	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	014	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	014	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	014	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Groundwater elevation (feet AMSL).

Groundwater Monitoring Wells Table for Sample Location 015 (Monitoring Well #2 Downgradient (Mw-2)) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	015	Quarterly	DISCRT
Water level relative to mean sea level ^[2]	Daily Maximum	M&R Feet (ft)		Groundwater	015	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	015	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	015	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	015	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Groundwater elevation (feet AMSL).

Groundwater Monitoring Wells Table for Sample Location 016 (Monitoring Well #3 Downgradient (Mw-3)) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	016	Quarterly	DISCRT
Water level relative to mean sea level ^[2]	Daily Maximum	M&R Feet (ft)		Groundwater	016	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	016	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	016	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	016	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Groundwater elevation (feet AMSL).

Groundwater Monitoring Wells Table for Sample Location 017 (Monitoring Well #4 Downgradient (Mw-4)) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface ^[1]	Daily Minimum	M&R Feet (ft)		Groundwater	017	Quarterly	DISCRT
Water level relative to mean sea level ^[2]	Daily Maximum	M&R Feet (ft)		Groundwater	017	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	017	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 10.0 Milligrams per Liter (mg/L)	Groundwater	017	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	017	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (feet).
2. Groundwater elevation (feet AMSL).

NS OTHER - Discharge Limitations Table for Sample Location 001 (Septic Tank & Leach Field-1A (3,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	001	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.

NS OTHER - Discharge Limitations Table for Sample Location 002 (Septic Tank & Leach Field-1B (2,500 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	002	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.

NS OTHER - Discharge Limitations Table for Sample Location 003 (Septic Tank & Leach Field-2 (3,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	003	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.

NS OTHER - Discharge Limitations Table for Sample Location 004 (Septic Tank & Leach Field-3 (3,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	004	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.

NS OTHER - Discharge Limitations Table for Sample Location 005 (Septic Tank-4A (5,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	005	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass."

If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 006 (Septic Tank-5A (3,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	006	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass."

If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 007 (Septic Tank-5B (3,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	007	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass."

If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 008 (Septic Tank-5C (2,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	008	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass."

If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 009 (Septic Tank-5D (2,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	009	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass."

If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 010 (Septic Tank-5E (2,000 Gal)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	010	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass."

If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 011 (Proposed Septic Tank & Leach Field-6 (4,000 Gal)) To Be Reported Annually^[2]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	011	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.
- If the outfall is not in use, report "No Discharge" in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 012 (Proposed Septic Tank & Leach Field-7 (4,000 Gal)) To Be Reported Annually^[2]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	012	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.
- If the outfall is not in use, report "No Discharge" in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 013 (Proposed Septic Tank & Leach Field-8 (3,000 Gal)) To Be Reported Annually^[2]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response ^[1]	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote	013	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, checking sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if it reaches 50% of the liquid depth, the tanks must be pumped. At a minimum, the tank should be pumped once every three years. A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.
- If the outfall is not in use, report "No Discharge" in NetDMR.

NS OTHER - Discharge Limitations Table for Sample Location 4A5 (Leach Field 4A-5, Collection Of Septic Tanks 005, 006, 007, 008, 009, And 010 (17,000 Gallons)) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	< 1 Pass=0 Fail=1 (pass/fail)		See Footnote ^[1]	4A5	Annual	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- For the Onsite Sewage Disposal System (OSDS), if the visual inspection of the septic tanks and leach field was performed, report "0" for "Pass." If the visual inspection was not conducted, or if any surfacing, damage, or leaks were observed, report "1" for "Fail." A visual inspection includes opening accessible covers, and inspecting equipment.

A visual inspection of the leach field should be conducted routinely to identify any surfacing, damage, or leaks. If surfacing is observed, it must be reported to the NDEP Spill Hotline at 1-888-331-6337, no later than 24 hours after discovery of spill.

Summary of Changes From Previous Permit

The summary of changes from the previous permit includes the following:

- The facility and Permittee name were changed to reflect the current owner, Ruby Dome Holdings LLC.
- The units for monitoring well analytical results were corrected to mg/L. Previously, some results were reported in µg/L, which resulted in a compliance issue. The units have been corrected to accurately reflect the reported concentrations.
- Outfall 018, associated with the dry monitoring well MW-5, was removed. Two new groundwater monitoring wells, MW-3 and MW-4, were installed.
- Outfall 4A-5, associated with Leach Field 4A-5, was added. Leach Field 4A-5 receives wastewater from Septic Tanks 005, 006, 007, 008, 009, and 010, with a combined capacity of 17,000 gallons.
- The outfalls associated with Septic Tanks 005, 006, 007, 008, 009, and 010 were reclassified as internal outfalls rather than external outfalls.
- Visual inspection requirements and corresponding limits were added to all septic tank and leach field outfalls.
- Clarifications were added regarding Units 11, 12, and 13, which are currently inactive and have not been constructed.
- All coordinates, including latitude and longitude, were corrected to accurately reflect the actual locations of the facility components in the field.
- All outfall names were revised to make them clearer.

Technology Based Effluent Limitations

This permit applies to an OSDS, and no technology-based effluent limitations (TBELs) are applicable. NDEP does not typically impose TBELs on OSDS permits, as these limitations are primarily designed for larger, more complex wastewater treatment systems, particularly those handling industrial discharges or municipal wastewater treatment plants (WWTPs). Septic tanks, as decentralized systems treating domestic sewage, are generally regulated through performance standards, maintenance requirements, and water quality-based limits rather than TBELs.

For OSDS, NDEP focuses on the following:

- * Operational and maintenance requirements, including periodic pumping, inspections, and proper disposal of sludge.
- * Design standards for septic systems, including tank size, soil percolation rates, and setbacks from water bodies.
- * Nutrient or pathogen limits, depending on the environmental sensitivity of the area.

These regulations are enforced under NDEP guidelines, and septic systems typically fall under Onsite Wastewater Treatment System (OWTS) or OSDS regulations rather than the TBEL framework.

Water Quality Based Effluent Limitations

Water quality based effluent limitations are not applicable to this permit.

Basis for Effluent Limitations

Septic Systems:

The Permittee is required to perform routine inspections of the septic tank systems to verify that scum and sludge accumulation does not exceed 50 percent of the liquid depth within the tanks and to ensure that the systems are functioning adequately for the treatment of domestic wastewater generated at the facility. When scum or sludge levels reach 50 percent of the liquid depth, the Permittee shall pump and remove accumulated solids from the septic tanks in accordance with the O&M Manual.

Leach fields:

The Permittee is required to conduct routine visual inspections of all the leachfields to ensure that no effluent reaches the ground surface and that the systems are operating as designed. If any surfacing of effluent or ponding is observed, the Permittee shall implement corrective actions in accordance with the approved O&M Manual and investigate system performance.

Monitoring wells:

The Permittee has four groundwater monitoring wells associated with the onsite disposal systems. One monitoring well is located upgradient and three monitoring wells are located downgradient of the leachfield systems to evaluate potential groundwater impacts from the permitted discharge.

Groundwater monitoring wells shall be used to monitor groundwater depth (ft below ground surface), groundwater elevation (ft above mean sea level), pH (standard units), chloride (mg/L), total dissolved solids (TDS, mg/L), total nitrogen (as N, mg/L), and nitrate (as N, mg/L), in accordance with the Groundwater Monitoring Well Table(s). Monitoring shall be conducted on a quarterly basis unless otherwise specified. Increasing concentrations of total nitrogen (as N) in groundwater samples shall trigger the following response actions:

If total nitrogen reaches 7.0 mg/L, the Permittee shall prepare and submit an alternate method for process wastewater disposal and/or storage for Division review and approval.

If total nitrogen reaches 9.0 mg/L, construction of the approved alternate wastewater storage or disposal system shall commence.

If total nitrogen reaches 10.0 mg/L, discharge to groundwater shall cease unless otherwise authorized in writing by the Division.

All groundwater monitoring shall be conducted in accordance with Permit Conditions B.MW.1 through B.MW.7. Discrete groundwater samples shall be collected to confirm protection of groundwater under the permitted discharge conditions. All monitoring wells shall be clearly labeled, properly secured, and constructed to prevent surface contamination. Wells shall be capped and locked to restrict unauthorized access.

Groundwater monitoring data shall be collected under the supervision of a qualified Environmental Manager certified in the State of Nevada or another Division-approved qualified professional. Well abandonment activities shall be conducted only with prior Division approval and in accordance with the requirements of the Division and the Nevada Division of Water Resources.

Anti-backsliding

To prevent backsliding, effluent limitations in reissued permits must be at least as stringent as those in the previous permit. This permit is not subject to backsliding because no limits were removed.

Antidegradation

The Division has developed an antidegradation regulation that is applied statewide and meets the statutory requirements of Nevada's water pollution control law, as outlined in Nevada Revised Statutes (NRS) 445A.520 and NRS 445A.565. This regulation is consistent with the federal antidegradation policy outlined in Title 40 of the Code of Federal Regulations (CFR) § 131.12. The objective of the Division's antidegradation regulation is to prevent the degradation of Nevada's surface waters and to maintain the unique attributes, special characteristics, and water quality associated with high-quality waters.

Since this permit authorizes potential discharges to groundwater rather than surface water, the antidegradation regulation is not applicable. Currently, there are no specific groundwater quality standards that have been formally adopted by the State.

Special Conditions

See the Special Approvals / Conditions Table below.

SA – Special Approvals / Conditions Table

Item #	Description
1	All leachfields shall be posted. Vehicular traffic and the movement of heavy equipment over the leachfields shall be prevented.
2	The Permittee shall conduct regular and routine inspections and maintenance in accordance with the Division approved O&M Manual.
3	In accordance with NAC 445A.9632, 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 every year and reported as the annual 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. ^[1]
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. of the permit. Sludge disposal shall be in accordance with applicable regulations.
5	Surfacing of any substance from a septic system is strictly prohibited.
6	The rated treatment capacity of each septic tank shall not be exceeded.
7	The septic tank treatment and disposal systems shall be used only for the treatment of domestic sewage. Domestic sewage is defined in NAC 445A.9532 as any liquid and waterborne waste derived from ordinary living processes and of a character that permits 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.

Notes (Special Approvals / Conditions Table):

1. 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.

Discharges From Future Outfalls/ Planned Facility Changes

As of 2026, Outfalls 011 (Septic Tank & Leach Field-6, 4,000 gal), 012 (Septic Tank & Leach Field-7, 4,000 gal), and 013 (Septic Tank & Leach Field-8, 3,000 gal) have not been constructed or are not in use. However, if the RV park chooses to expand and construct these systems, no changes to the permit will be required.

Corrective Action Sites

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

Wellhead Protection Program

There are three Public Water Supply (PWS) well located approximately 300 to 2560 feet northeast of the outfalls. The first well approximately 300 feet northeast of the closest outfall has a depth of approximately 200 with a sanitary seal at 60 feet and a screen from 160 to 200 feet. The second well approximately 570 feet northeast of the closest outfall has a depth of approximately 242 and a screen from 100 to 242 feet. The third well approximately 1980 feet northeast of the closest outfall has a depth of approximately 165 with a sanitary seal at 50 feet and a screen from 51 to 165. The outfalls are located in the Drinking Water Protection Area of the wells, which is defined by a 3,000-foot radius around a PWS well. The recent chemical history of the wells reports that the wells has been having detections of Arsenic and total coliform. The wells are at risk based on the confined aquifer and chemical history.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR website: https://netdmr.ndep.nv.gov/netdmr/public/home.htm .	4/28/2027
2	The Permittee shall submit two (2) copies of an Operations and Maintenance (O&M) Manual for review and approval by the Division. One copy shall be a hard copy, and the second shall be an electronic copy. The O&M Manual shall be prepared and stamped by a Nevada Registered Professional Engineer. O&M Manuals prepared by a Nevada Registered Professional Engineer must be signed and stamped in accordance with NAC 625.610.	4/1/2027

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2027
2	Annual Large-Capacity Septic System Evaluation Report (Annual Report) ^[1]	Annually	1/28/2028
3	Annually DMRs	Annually	1/28/2028

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

1. 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 issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being mailed to interested persons on our mailing list and will be posted on our website at <https://ndep.nv.gov/posts>. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **11/27/2026**, 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 in 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 issue/re-issue the proposed 5-year permit.

Prepared by: **Lior Singer P.E. M.Sc.**

Date: **10/23/2026**

Title: **Environmental Engineer**