



A division of the
Nevada Department of Conservation & Natural Resources

NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**

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FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: NEVADA RESTAURANT SERVICES, INC

18000 US 93
BOULDER CITY, NV 89005

Permit Number: NS0010007

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: NEVADA RESTAURANT SERVICES DBA HOOVER DAM LODGE, CLARK
18051 E U.S. HIGHWAY 93 SOUTH, BOULDER CITY, NV 89005
LATITUDE: 36.008110, LONGITUDE: -114.786211
TOWNSHIP: 22 S, RANGE: 64 E, SECTION: 25

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	INFLUENT	Internal Outfall		36.008110	-114.786211	NOT APPLICABLE
002	RAPID INFILTRATION BASINS	External Outfall		36.007838	-114.786608	GROUNDWATER
003	DUST SUPPRESSION/EVAPORATION PONDS	External Outfall		36.007864	-114.786089	GROUNDWATER

Permit History/Description of Proposed Action

The Permittee, Nevada Restaurant Services dba Hoover Dam Lodge, has applied for the renewal of Permit NS0010007 for their wastewater treatment plant (WWTP), at 18051 E. U.S. Highway 93 South, outside of Boulder City, within Clark County, Nevada. The Permittee proposes to continue to discharge chlorinated, denitrified, secondary-treated effluent to groundwater of the State, either via multiple rapid infiltration basins (RIBs), or through the discharging of reclaimed water for dust control use.

This permit was first issued on August 2, 1996. The most recent permit was issued on August 1, 2018, and expired on July 31, 2023; the permit has been administratively continued since.

Facility Overview

The Permittee operates an 0.085 million gallon per day (Mgal/d) package wastewater treatment plant, which receives domestic sewage from Hoover Dam Lodge and Dotty's Casino. The property is located south of Lake Mead on the southern fringe of Hemenway Wash in the Eldorado Mountain Range, northeast of the Boulder City limits on U.S. Highway 93 South (the highway) and is adjacent to the Lake Mead National Recreation Area. The property includes a casino, restaurants, lounge, general store, and 225 hotel rooms. The WWTP was furnished by Marwood, Inc., Peoria, AZ (ca. 1994), and is located south and across the highway from the casino.

The influent lift station is located on the north side of the highway. The lift station has two submersible pumps controlled by floats. Raw sewage is pumped through a 4-inch force main, beneath the highway, to the WWTP.

Upon reaching the WWTP, the domestic sewage flows through the treatment works, as part of the Marwood WWTP, which consists of an aerated equalization basin (bypassed in lower flow periods), two (2) extended aeration basins, final clarifier, chlorine contact tank, and an aerated sludge digestion tank. The plant aeration blowers are cycled on/off to achieve nitrification and denitrification of the effluent.

The denitrified, disinfected treated effluent can be either discharged to one of three onsite RIBs for evaporation/percolation; or the reclaimed water, being of Category D bacteriological quality per Nevada Administrative Code (NAC) 445A.276, can be discharged to two asphalt-lined detention/evaporation basins from which it can be diverted for onsite dust control (Outfall 003).

Waste activated sludge (WAS) is discharged to a series of asphalt-lined drying beds prior to disposal at a permitted sanitary landfill.

The Technical, Compliance, and Enforcement Branch of the Bureau of Water Pollution Control requires a Reclaimed Water Management Plan (RWMP) to the Division for review and approval. An RWMP, for the reclaimed water being applied for dust control use, must be submitted to the Division by January 1, 2027.

Outfall Summary

Outfall 001 – This internal outfall is for measuring and monitoring the influent entering the WWTP.

Outfall 002 – This external outfall is for measuring and monitoring the treated effluent being discharged from the WWTP.

Outfall 003 – This external outfall is for measuring the reclaimed water being discharged for dust control.

Facility Upgrades since last issued permit

There have been no facility upgrades since the last issued permit.

Solids Handling

The WAS is periodically withdrawn, dried in two (2) sludge drying beds, and hauled by a contract hauler to an approved sanitary landfill.

Effluent Management and Reuse

The disinfected, denitrified, secondary-treated effluent is either discharged into RIBs located onsite or reused for dust control onsite.

Design Flow (and basis) and Measurement & Current Capacity

The daily maximum influent flow rate for Outfall 001 is limited to 0.1 million gallons per day (Mgal/d), with an average reported flow of 0.029 Mgal/d. The 30-day average is limited to 0.085 Mgal/d, with an average reported flow of 0.021 Mgal/d.

Based on the reported flows, the WWTP is at approximately 25% capacity.

Pretreatment Program

The facility does not meet the federal Environmental Protection Agency's (EPA's) guidelines requiring them to have a pretreatment program.

Operations & Maintenance (O&M) Manual status

The WWTP's Operation and Maintenance (O&M) Manual was last reviewed and approved in June 2007.

The Technical, Compliance, and Enforcement Branch of the Bureau of Water Pollution Control requires O&M Manuals to be updated every ten (10) years, with an updated manual being due on December 1, 2026.

Effluent Characterization

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from January 2020 to March 2026, was reviewed as part of this permit renewal process.

The WWTP treats domestic sewage from the hotel and casino, providing treated reclaimed water that meets a Category D bacteriological quality level, as prescribed under NAC 445A.276, for applied dust control use; therefore, the reclaimed water should meet, at a minimum, a daily maximum fecal coliform of 400 colony forming units (CFU)/100 mL and a 30-day geometric mean of 200 CFU/100 mL.

The following averages were taken from January 2020 to March 2026 reporting period:

Notes:

CFU/100mL = Colony Forming Units per 100 Milliliters

mg/L = Milligrams per Liter

Mgal/d = Million Gallons per Day

S.U.= Standard Units

BOD5 = Biochemical Oxygen Demand, 5-Day

TDS = Total Dissolved Solids

TSS = Total Suspended Solids

Outfall 001 (Influent):

Flow Rate: 0.03 Mgal/d

Outfall 002 (Treated Effluent to RIBs):

Flow Rate: 0.028 Mgal/d

BOD5: 12.21 mg/L

Fecal Coliform, general: 97.23 CFU/100mL*

Nitrogen, total: 5.08 mg/L

pH: 7.60 S.U.

TSS: 11.97 mg/L

Outfall 003 (Reclaimed Water to Dust Control):

Flow Rate: No discharge during the past 5 years

The rate of removal for BOD5 was 91.80% and 94.53% for TSS based on review of the lab results submitted through the NetDMR system during the period reviewed.

*Note: The same fecal coliform averages were reported for both the 30-day geometric mean and the daily maximum.

Pollutants of Concern

Pollutants of concern are any pollutants or parameters that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological condition of the receiving water. Common pollutants of concern from wastewater treatment facilities that denitrify and provide reclaimed water are General Fecal Coliform, Nitrogen, TDS, and pH along with potential inorganic chemicals and metals (Profile 1 constituents).

Receiving Water

Secondary treated, disinfected effluent is discharged to groundwaters of the State of Nevada via percolation in three RIBs or through applied reuse for dust control. The depth to groundwater beneath the RIBs is approximately 680 feet. Groundwater direction is assumed to be south toward Lake Mead.

Compliance History

The WWTP has been in compliance, during the years reviewed, excepting the late reporting of their first quarter lab results for 2026, which were due on April 28, 2026.

Proposed Effluent Limitations

The discharge shall be limited and monitored by the Permittee as specified below:

WWTP Discharge Limitations Table for Sample Location 001 (Influent-Internal Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 0.1 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	001	Daily	TOTALZ ^[1]
Flow rate	30 Day Average	<= 0.085 Million Gallons per Day (Mgal/d)		Raw Sewage Influent	001	Daily	TOTALZ ^[1]
BOD, 5-day ^[2]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS
BOD, 5-day ^[2]	Monthly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS
Solids, total suspended ^[2]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS
Solids, total suspended ^[2]	Monthly Average		M&R Milligrams per Liter (mg/L)	Raw Sewage Influent	001	Monthly	COMPOS

Notes (WWTP Discharge Limitations Table):

1. Pump Station Time Clocks.
2. Sampling should be conducted concurrently when the effluent is sampled (Outfall 002) to determine the actual removal rates achieved for Biochemical Oxygen Demand, 5-Day (BOD5) and Total Suspended Solids (TSS).

WWTP Discharge Limitations Table for Sample Location 002 (Rapid Infiltration Basins-External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	002	Daily	METER
Flow rate	30 Day Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	002	Daily	METER
BOD, 5-day ^[2]	Daily Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
BOD, 5-day ^[2]	Monthly Average ^[3]		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
Coliform, fecal general	Daily Maximum		<= 400 Colony Forming Units per 100ml T (CFU/100mL) ^[1]	Effluent Gross	002	Monthly	DISCRT
Coliform, fecal general	30 Day Geometric Mean		<= 200 Colony Forming Units per 100ml T (CFU/100mL) ^[1]	Effluent Gross	002	Monthly	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
pH, maximum	Daily Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
pH, minimum	Daily Minimum		>= 6.0 Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
Solids, total suspended ^[2]	Daily Maximum		<= 45 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
Solids, total suspended ^[2]	Monthly Average ^[3]		<= 30 Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	COMPOS
BOD, 5-day, percent removal	Monthly Average Minimum		>= 85 Percent (%)	Effluent Gross	002	Monthly	CALCTD
Solids, suspended percent removal	Monthly Average Minimum		>= 85 Percent (%)	Effluent Gross	002	Monthly	CALCTD

WWTP Discharge Limitations Table for Sample Location 002 (Rapid Infiltration Basins-External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type

Notes (WWTP Discharge Limitations Table):

1. CFU or MPN/100 mL.
2. Sampling should be conducted concurrently when the influent is sampled (Outfall 001) to determine the actual removal rates achieved for Biochemical Oxygen Demand, 5-Day (BOD5) and Total Suspended Solids (TSS).
3. To be calculated.

WWTP Discharge Limitations Table for Sample Location 002 (Rapdi Infiltration Basins-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Alkalinity, bicarbonate (as CaCO ₃) ^[1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Alkalinity, total (as CaCO ₃) ^[1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Aluminum, dissolved (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Antimony, dissolved (as Sb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Arsenic, dissolved (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Barium, dissolved (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Beryllium, dissolved (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Cadmium, dissolved (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Calcium, dissolved (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chloride (as Cl) ^[1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Chromium, dissolved (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Rapdi Infiltration Basins-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Copper, dissolved (as Cu)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Fluoride, total (as F) [1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Iron, dissolved (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Lead, dissolved (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Magnesium, dissolved (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Manganese, dissolved (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Mercury, dissolved (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Potassium, dissolved (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Selenium, dissolved [as Se]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Silver, dissolved (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
			M&R				

WWTP Discharge Limitations Table for Sample Location 002 (Rapdi Infiltration Basins-External Outfall) To Be Reported Once During The Permit Term

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Sodium, dissolved (as Na)	Daily Maximum		Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Sulfate, total (as SO ₄) ^[1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Thallium, dissolved (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Uranium, natural, total ^[1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Cyanide, weak acid, dissociable ^[1]	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT
Zinc, dissolved (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Once Per Permit Term	DISCRT

Notes (WWTP Discharge Limitations Table):

1. To be analyzed to the dissolved fraction.

WWTP Discharge Limitations Table for Sample Location 003 (Dust Suppression/Evaporation Ponds-External Outfall) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	003	Daily	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	003	Daily	METER

Summary of Changes From Previous Permit

Under Outfall 001, To Be Reported Monthly, the following parameters and footnote were added:

ADDED – BOD, 5-day, with a “Daily Maximum” Base, a “M&R Milligrams per Liter (mg/L)” Concentration, a “Raw Sewage Influent” Monitoring Location, a “001” Sample Location, a “Monthly” Measurement Frequency, and a “Compos” Sample Type.

ADDED – BOD, 5-day, with a “Monthly Average” Base, a “M&R Milligrams per Liter (mg/L)” Concentration, a “Raw Sewage Influent” Monitoring Location, a “001” Sample Location, a “Monthly” Measurement Frequency, and a “Compos” Sample Type.

ADDED – Solids, total suspended, with a “Daily Maximum” Base, a “M&R Milligrams per Liter (mg/L)” Concentration, a “Raw Sewage Influent” Monitoring Location, a “001” Sample Location, a “Monthly” Measurement Frequency, and a “Compos” Sample Type.

ADDED – Solids, total suspended, with a “Monthly Average” Base, a “M&R Milligrams per Liter (mg/L)” Concentration, a “Raw Sewage Influent” Monitoring Location, a “001” Sample Location, a “Monthly” Measurement Frequency, and a “Compos” Sample Type.

ADDED – Footnotes 2 and 3.

2. Sampling should be conducted concurrently when the effluent is sampled (Outfall 002) to determine the actual removal rates achieved for Biochemical Oxygen Demand, 5-Day (BOD5) and Total Suspended Solids (TSS).

3. To be calculated.

Under Outfall 002, To Be Reported Monthly, the following additions or changes were made:

Changed – All parameters from a “Monthly Maximum” Base to a “Daily Maximum” Base, with the remaining monitoring requirements being unchanged from the previous permit.

Changed – Coliform, fecal general, from a “Monthly Average” Base to a “30 Day Geometric Mean” Base, with the remaining monitoring requirement being unchanged from the previous permit.

Changed – pH, minimum, from a “Monthly Minimum” Base to a “Daily Minimum” Base, with the remaining monitoring requirement being unchanged from the previous permit.

Changed – BOD, 5-day, percent removal, from a “Monthly Average” Base to a “Monthly Average Minimum” Base, and from a “≤85 Percent (%)” Concentration to a “≥85 Percent (%)” Concentration, with the remaining monitoring requirements being unchanged from the previous permit.

Changed – Solids, suspended percent removal, percent removal, from a “Monthly Average” Base to a “Monthly Average Minimum” Base, and from a “≤85 Percent (%)” Concentration to a “≥85 Percent (%)” Concentration, with the remaining monitoring requirements being unchanged from the previous permit.

ADDED – Footnotes 2 and 3.

2. Sampling should be conducted concurrently when the influent is sampled (Outfall 001) to determine the actual removal rates achieved for Biochemical Oxygen Demand, 5-Day (BOD5) and Total Suspended Solids (TSS).

3, To be calculated.

ADDED – Outfall 002, with a Once During the Permit Term Reporting Requirement, along with the following parameters:

ADDED – Profile 1 constituents, with a “Daily Maximum” Base, an “M&R Milligrams per Liter (mg/L)” Concentration, a “Effluent Gross” Monitoring Location, a “002” Sample Location, a “Once per Permit Term” Measurement Frequency, and a “Discret” Sample Type.

Under the Schedule of Compliance Table the following compliance plan requirements were added:

ADDED:

1. The Permittee shall submit two copies (one hard copy and one electronic copy) of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall follow Division’s guidance document, WTS-2: Minimum Information Required for an Operation and Maintenance Manual for a Wastewater Treatment Plant, and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.).
2. The Permittee shall submit two (2) copies (one hard copy and one electronic copy) of a Reclaimed Water Management Plan (RWMP) to the Division for review and approval. The RWMP shall follow the Division’s guidance document, WTS-1B: General Design Criteria for Preparing a Reclaimed Water Management Plan.

Technology Based Effluent Limitations

Technology based effluent limitations (TBELs) are required as promulgated by the United States (U.S.) EPA for Publicly Owned Treatment Works (POTWs). The following limits are based on secondary treatment standards as allowed by the Code of Federal Regulation (CFR) Title 40, Section 133, and which has been adopted by the State of Nevada.

U.S. EPA published federal secondary treatment standards at 40 CFR 133, based on an evaluation of performance data for POTWs practicing a combination of physical and biological treatment. Performance is measured by monitoring biodegradable organics and suspended solids in the effluent, and the ability to maintain pH. Federal secondary treatment standards are defined under 40 CFR 133 for maximum BOD, 5-day as a 30-day average of 30 mg/L and a 7-day average of 45 mg/L and for maximum TSS as a 30-day average of 30 mg/L and a 7-day average of 45 mg/L. In addition to describing the minimum levels of effluent quality attainable by secondary treatment, 40 CFR 133.102 states that the 30-day average percent removal of BOD, 5-day and TSS shall not be less than 85%. The Division has adopted these standards for groundwater dischargers and applied the 7-day average thresholds as daily maximum effluent limits for BOD, 5-day and TSS.

The following performance standards for POTWs with secondary treatment standards have been included in the permit:

BOD, 5-day: Monthly average limit: ≤ 30 mg/L; Daily maximum limit: ≤ 45 mg/L.

TSS: Monthly average limit: ≤ 30 mg/L; Daily maximum limit: ≤ 45 mg/L.

pH: Daily Maximum: ≤ 9.0 Standard Units

pH: Daily Minimum ≥ 6.0 Standard Units

Limits Based on Secondary Treatment Standards:

BOD, 5-day Percent removal: ≥ 85 percent.

TSS: Percent removal: ≥ 85 percent.

Limits Based on Facility's Design Criteria Review:

Permitted 30-day average flow rate for influent is limited to ≤ 0.085 Mgal/d.

Permitted daily maximum flow rate for influent is limited to ≤ 0.1 Mgal/d.

Water Quality Based Effluent Limitations

Water quality-based effluent limits are not applicable to this permit.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)

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

Basis for Effluent Limitations

There are currently no specific water quality standards that have been formally adopted by the State for groundwater. However, the Division has the discretion to implement effluent limitations outside water quality standards per NAC 445A.243, which states, "In establishing an effluent limitation to carry out the policy of this State set forth in Nevada Revised Statutes (NRS) 445A.305, consideration must be given to, but is not limited by, the following: ... (2) the need for standards that specify by chemical, physical, biological or other characteristics the extent to which pollution by various substances will not be tolerated." The constituents listed in Profile 1 have been vetted by the Division and have been included in groundwater discharge permits for many years as a means of regulating groundwater quality. Per NRS 445A.490, "No permit may be issued which authorizes any discharge or injection of fluids through a well into any waters of the State: (3) which would result in the degradation of existing or potential underground sources of drinking water."

Other Required Water Quality Monitoring:

The requirement to monitor the effluent for Profile 1 constituents once per permit term is included to evaluate the quality of the effluent and determine whether the effluent has potential to impact the receiving water. Although cyanide and uranium are not expected to be present in the effluent, the proposed permit requires the Permittee sample these constituents once during the permit term as they are included in the Profile 1 list and have not been sampled before.

Influent and Effluent Monitoring Requirements:

Monthly influent and effluent monitoring for BOD, 5-day and TSS are included to assess the treatment performance of the WWTP. A monthly sampling frequency for BOD, 5-day and TSS is sufficient for determining compliance with the applicable effluent limitations. The recent removal requirements for BOD, 5-day and TSS are established in the permit as monthly average minimums of 85%, based on secondary treatment standards.

Some wastewater treatment processes can increase or decrease wastewater pH; therefore, monthly monitoring for pH is included in assessing compliance with effluent limits of 6.0 S.U. as a daily minimum and 9.0 S.U. as a daily maximum.

The requirement to sample the effluent for general fecal coliform, prior to being applied for dust control, is for the protection of the environment and human health.

Anti-backsliding

None of the proposed permit limits were changed to a less restrictive limit compared to those in the previous permit.

Antidegradation

The Division has developed an antidegradation regulation that is applied on a statewide basis, and which meets the statutory requirements of Nevada's water pollution control law found at NRS 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at 40 CFR § 131.12. The objective of the Division's antidegradation regulation is to prevent degradation of Nevada's surface waters and maintain the unique attributes and special characteristics and water quality associated with high-quality waters.

As this permit is for discharges of groundwater, and not surface water, the new antidegradation rule is not applicable. There are currently no specific water quality standards that have been formally adopted by the State for groundwater, however, data reviewed during the renewal process does not indicate the potential for degradation of the groundwater from the treated effluent/reclaimed water discharged within the compliance limits of the proposed permit.

Special Conditions

See the Special Approvals / Conditions below:

SA – Special Approvals / Conditions Table

Item #	Description
1	With Division approval, the Permittee may add reuse sites to this permit as a modification. Each reuse site must apply for and receive a discharge permit from the Division before reclaimed water is delivered. Fees are subject to change as a result of additional discharge flow, in accordance with NAC 445A.232.

Discharges From Future Outfalls/ Planned Facility Changes

There are no planned future outfalls or facility changes.

Corrective Action Sites

There are no active Bureau of Corrective Actions (BCA) remediation sites within a one-mile radius of the WWTP.

Wellhead Protection Program

The outfalls are not located within a Wellhead Protection Area, which represents an approximate 10-year capture zone of a well, or within a Drinking Water Protection Area, which is defined by a 3,000-foot radius around a public water system (PWS) well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies (one hard copy and one electronic copy) of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall follow the Division's guidance document, WTS-2 Minimum Information Required for an Operation and Maintenance Manual, and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.).	1/1/2027
2	The Permittee shall submit two (2) copies (one hard copy and one electronic copy) of a Reclaimed Water Management Plan (RWMP) to the Division for review and approval. The RWMP shall follow the Division's guidance document WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan.	1/1/2027

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	1/28/2027
2	Once during the Permit Term DMRs	Once during the permit term	7/28/2031

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. **9/11/2026**, 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: **Melissa Hanson**

Date: **8/7/2026**

Title: **Staff II Engineer**

