FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: NYE COUNTY SCHOOL DISTRICT

601 E. CALVADA BLVD.
PAHRUMP, NV 89048

Permit Number: NS2019514

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: PAHRUMP VALLEY HIGH SCHOOL, NYE
501 E. CALVADA BLVD, PAHRUMP, NV 890480000
LATITUDE: 36.1901, LONGITUDE: -116.0061

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	SPORTS FIELDS	Land Application Site		36.188081	-116.005367	GROUNDWATER

Permit History/Description of Proposed Action
The Permittee, Nye County School District, has applied for the renewal of Permit NS2019514 for the Pahrump Valley High School (PVHS), at 501 E. Calvada Boulevard, in Pahrump, being within Nye County, Nevada. The PVHS has three sports fields totaling approximately 3.4 acres; the fields consist of Bermuda grass. The Permittee proposes to continue to irrigate the fields with reclaimed water obtained from "The Property" (permit NS2005503), formerly known as the Willow Creek Golf Course. The Property is supplied reclaimed water by the Great Basin Water Company's UICN Wastewater Treatment Plant (WWTP) #3 (permit NS0089063). PVHS started receiving reclaimed water in 2022 from the UICN WWTP #3, via "The Property's" diversion and storage works, in 2022.

This permit was first issued on March 1, 2020, and expired on February 28, 2025; the permit has been administratively continued since.

Facility Overview
The PVHS is located within a 41.60-acre parcel located in portions of Sections 22 and 27, Township 20 South (T20S) and Range 53 East (R53E), Mount Diablo Baseline and Meridian (M.B.D.&M.). Water enters the PVHS parcel, via a pipeline from The Property (permit NS2005503), through a 10-inch reclaimed water line which serves the Lakeview Golf Course (NS2004518) and PVHS. The reclaimed water is routed from the Lakeview Pump Station (located adjacent to the Property effluent storage ponds) to the southeast along E. Mount Charleston Drive, south along Ponderosa Avenue and east along Jaybird Street, after which it discharges to the Lakeview Golf Course lake. Prior to the reclaimed water reaching the lake, a 4”-diameter polyvinyl chloride (PVC) pipe has been routed, from a connection to the E. Mount Charleston Drive pipeline, to a storage tank, which holds 55,000 gallons, located onsite at the PVHS, allowing the high school to store the reclaimed water and use as needed. An irrigation booster pump transports the reclaimed water from the storage tank to the sports fields and through the irrigation system. The irrigation system is composed of a 15-horsepower booster pump that is fitted with a filter assembly to boost pressure to the irrigation

sprinklers. The booster pump is located adjacent to the storage tank. The booster pump draws the reclaimed water from the storage tanks and discharges into a 4” PVC reclaimed water distribution pipeline. The pipeline transports the reclaimed water to the three fields (baseball, softball and a practice field), where it is distributed via sprinklered irrigation. There are no reclaimed water storage ponds on the PVHS site.

The irrigation system also includes a potable water connection, with a backflow preventer, to allow for supplemental potable water, if required, for irrigation of the sports fields.

The PVHS's Reclaimed Water Management Plan (RWMP) (formerly known as an Effluent Management Plan) was last reviewed and approved by the Division on February 27, 2021. The Technical, Compliance, and Enforcement (TCE) Branch of the Bureau of Water Pollution Control requires RWMPs to be updated every two (2) permit cycles which equate to every ten (10) years, with an updated RWMP due by February 27, 2031.

Outfall Summary
Outfall 001 – This external outfall is for the applied irrigation of reclaimed water received from "The Property", as supplied by the UICN WWTP #3.

Effluent Characterization
Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from June 2020 to July 2025, was reviewed as part of this permit renewal process. The long-term average discharge flow rate for Outfall 001 was 1,618 gallons per day (Gal/d) and was originally permitted for a monitor and report (M&R) limit. The average daily maximum discharge flow rate for Outfall 001 was 5,595 Gal/d and was permitted for 50,000 Gal/d, with 2022 having the highest average use, with the other years having an approximate 25 Gal/d maximum flow rate average. There were no exceedances.

The UICN WWTP #3 provides tertiary treated, denitrified, and disinfected reclaimed water which meets Category B bacteriological quality per Nevada Administrative Code (NAC) 445A.276, which is diverted and stored at "The Property" and piped to the PVHS; therefore, the reclaimed water should meet, at a minimum, a daily maximum fecal coliform of 23 colony forming units (CFU) / 100 mL and a 30-day geometric mean of 2.2 CFU / 100 mL. Based on additional review, the levels of the daily maximum coliform, as reported by PVHS, were not consistent with those reported by "The Property" (3.47 CFU / 100 mL) and the Lakeview Golf Course (6.04 CFU / 100 mL) during the same period, so additional information outlining the Division's sampling and reporting requirements are to be provided to the Permittee.

There was no reportable DMR data for total nitrogen with the exception of 2022. The average for 2022 was 2.95 mg/L. There were no exceedances reported.

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 for the denitrified reclaimed water are general fecal coliform and total nitrogen.

Receiving Water
The receiving water is groundwater of the State. Depth to groundwater is more than 45 feet below ground surface. Groundwater flow is toward the southwest.

Compliance History
The permit was in compliance during the time reviewed being July 2020 through June 2025.

Proposed Effluent Limitations
The discharge shall be limited and monitored by the Permittee as specified below.

Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	< 50000 Gallons per Day (gal/d)		Prior to Irrigation	001	Continuous	METER
Flow rate	30 Day Average	M&R Gallons per Day (gal/d)		Prior to Irrigation	001	Continuous	METER
Coliform, fecal general	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)[1]	Prior to Irrigation	001	Monthly	DISCRT
Coliform, fecal general	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)[1]	Prior to Irrigation	001	Monthly	DISCRT
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Prior to Irrigation	001	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. CFU/100ml or MPN/100ml

Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Annually

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Annual Total	M&R Pounds per Year (lb/yr)[1]		Prior to Reuse	001	Annual	CALCTD
Nitrogen, total[2]	Annual Mass Loading	M&R Pounds per Year (lb/yr)		Prior to Reuse	001	Annual	CALCTD

Notes (Re-use Discharge Limitations Table):

1. To be reported as pounds per acre per year (lbs/acre/year), refer to Page 20 of the WTS-1 B: General Criteria for Preparing a Reclaimed Water Management Plan. This formula is below:
   Effluent N Applied = (MGD Applied x Effluent N Cone. (mg/L) x 8.34 x # days/mo.) + # Acres
2. Report the percentage of nitrogen uptake. Refer to Technical Sheets WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan and WTS-1C Nutrient Management for Reuse & Biosolids Sites.

Summary of Changes From Previous Permit
Under Outfall 001 (Land Application Site) To Be Reported Quarterly the following deletion was made:

DELETED - Footnote 2. Sample results may be obtained from UICN.

ADDED - Under Outfall 001 (Land Application Site) To Be Reported Annually along with the following parameters:

ADDED - Nitrogen, total, with an "Annual Total" Base, a "M&R Pounds per Year (lb/yr)" Quantity, a "Prior to Reuse" Monitoring Location, an "001" Sample Location, an "Annual" Measurement Frequency, and a "Calctd" Sample Type.

ADDED - Nitrogen, total, with an "Annual Mass Loading" Base, a "M&R Pounds per Year (lb/yr)" Quantity, a "Prior to Reuse" Monitoring Location, an "001" Sample Location, an "Annual" Measurement Frequency, and a "Calctd" Sample Type.

Added the following footnotes:

ADDED - 1. To be reported as pounds per acre per year (lbs/acre/year), refer to Page 20 of WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan. This formula is below:
Effluent N Applied = (MGD Applied x Effluent N Conc. (mg/L) x 8.34 x #days/mo.) ÷ # Acres

ADDED - 2. Report the percentage of nitrogen uptake. Refer to Technical Sheets WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan and WTS-C1 Nutrient Management for Reuse & Biosolids Sites.

Technology Based Effluent Limitations
Technology based effluent limitations are not applicable to this permit.

Water Quality Based Effluent Limitations
Water quality based effluent limitations are not applicable to this permit.

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

There are no water quality based effluent limitations proposed for this permit.

Rationale for Permit Requirements
The proposed permit establishes the requirement to sample fecal coliform to assess the quality of reclaimed water being applied and to the protection of human health and the environment.

The proposed permit establishes the requirement to report the total nitrogen applied to ensure groundwater of the State is not being degraded.

The proposed permit establishes the requirement to report the total nitrogen uptake to ensure groundwater of the State is not degraded.

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 Nevada Revised Statute (NRS) 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at Title 40 in the Code of Federal Regulations (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 to 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 reclaimed water discharged within the compliance limits of the proposed permit.

Special Conditions
There are no special approvals/conditions associated with this permit.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Discharges From Future Outfalls/ Planned Facility Changes
There are currently no planned discharges from future outfalls or facility changes.

Corrective Action Sites
There are no Bureau of Corrective Actions (BCA) remediation sites within a one-mile radius of the reuse site (PVHS).

Wellhead Protection Program
The outfall is 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 PWS well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

There are no Schedule of Compliance items

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2026
2	Annual DMRs	Annually	1/28/2027

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. **11/10/2025,** 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: **10/2/2025**
Title: **Staff II Engineer**