



**FACTSHEET**  
**(pursuant to NAC 445A.236)**

**Permittee Name:** WASHOE COUNTY SCHOOL DISTRICT  
7495 SOUTH VIRGINIA STREET  
RENO, NV - 89511

**Permit Number:** NS2003513

**Location:** REED HIGH SCHOOL, SPANISH SPRINGS HIGH SCHOOL, SHAW MIDDLE SCHOOL, WASHOE  
VARIOUS LOCATIONS, SPARKS, NV - 89436  
LATITUDE: 39.55791670, LONGITUDE: -119.722736  
TOWNSHIP: 20 N, RANGE: 20 E, SECTION: 34

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	REED HIGH SCHOOL	External Outfall		SPARKS	NV	89434	WASHOE	39.55791670	-119.722736	GROUNDWATER
002	SPANISH SPRINGS HIGH SCHOOL	External Outfall		SPARKS	NV	89434	WASHOE	39.65130560	-119.733333	GROUNDWATER
003	SHAW MIDDLE SCHOOL	External Outfall		SPARKS	NV	89434	WASHOE	39.64861110	-119.723777	GROUNDWATER
004	TOTAL OF OUTFALLS 001, 002 & 003	External Outfall		SPARKS	NV	89434	WASHOE	39.60	-119.70	GROUNDWATER

**General:**

This is a renewal of the discharge permit for the Washoe County School District to utilize tertiary treated, denitrified, disinfected effluent to irrigate at Reed High School, Spanish Springs High School, and Shaw Middle School. The three schools have a total area of 100.3 acres, of which 34.9 are irrigated. The permittee, Washoe County School District, will be supplied with the treated effluent from the Truckee Meadows Water Reclamation Facility [TMWRF, NS2003506] for irrigation via spray and/or drip. The permitted daily maximum flow to serve the three schools is limited to 1.51 million gallons per day (MGD). The TMWRF reclaim bacteriological water quality supplied to each site meets NAC 445A.276 reuse Category B requirements for reuse water and is denitrified below 10 mg/L Total Nitrogen. All reuse irrigation operations shall be conducted and operated in accordance with conditions in the approved Effluent Management Plan, and by the terms and conditions of the permit.

**Discharge Characteristics:**

Washoe County School District uses tertiary treated, denitrified, and disinfected effluent from TMWRF to irrigate three schools located in Spanish Springs. The 30-day geometric mean of fecal coliform requirement is set at 2.2 colony forming units (CFU), or the most probable number (MPN)/100mL. This is Category B reuse water and, in accordance with NAC 445A.276, a zero-distance buffer zone is allowed with public access to the area of use controlled.

**Receiving Water:**

The receiving waters will be groundwater of the State of Nevada via effluent reuse. Depth to groundwater in the vicinity varies. Treated effluent provided for reuse is denitrified below 10 mg/l total nitrogen concentration and when applied in accordance with the approved Effluent Management Plan (EMP), no adverse effects to groundwater due to flows are expected. Groundwater monitoring wells are not required for any site in this permit.

**Summary of Changes From Previous Permit:**

There are no substantive changes from the previous permit.

Due to new naming conventions at the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC), the permit number has been changed from NEV2003513 to NS2003513. This change does not reflect a change in the type of permit being issued.

The BWPC Nevada NetDMR System is a web based site that allows for electronic submission of Discharge Monitoring Reports (DMRs). Nevada NetDMR enables the permittee the ability to enter and electronically submit DMR data. By using Nevada NetDMR, permittees will save time, see a reduction in paperwork burden, and data will automatically error-check and validate the information prior to submission. The system also allows for electronic submittal of attachments and supplemental documentation and provides instant confirmation of submission. All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR website: <https://netdmr.ndep.nv.gov/netdmr/public/home.htm>.

**Proposed Effluent Limitations:**

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

**Re-use Discharge Limitations Table for Sample Location 001 (Reed High School) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER

**Re-use Discharge Limitations Table for Sample Location 002 (Spanish Springs High School) 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)		Prior to Reuse	002	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Continuous	METER

**Re-use Discharge Limitations Table for Sample Location 003 (Shaw Middle School) To Be Reported Monthly**

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

**Re-use Discharge Limitations Table for Sample Location 004 (External Outfall - Total Of Outfalls 001 To 003) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general <sup>[2]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) <sup>[1]</sup>	Prior to Reuse	004	Daily	DISCRT
Flow rate	Daily Maximum	<= 1.51 Million Gallons per Day (Mgal/d)		Prior to Reuse	004	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	004	Continuous	METER
Coliform, fecal general <sup>[2]</sup>	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) <sup>[1]</sup>	Prior to Reuse	004	Daily	DISCRT

Notes (Re-use Discharge Limitations Table):

1. CFU or MPN/100 ml.
2. Sample results may be obtained from NS2003506

**Rationale for Permit Requirements:**

The limitations and monitoring requirements are intended to provide for appropriate reuse of treated effluent, to minimize the possibility of adverse impact to groundwaters of the State, and to alert those persons who might have contact with treated effluent to its presence at the facility.

**Fecal Coliform:**

2.2 CFU or MPN/100 ml - 30-Day Geometric Mean

23 CFU or MPN/100 ml - Maximum Daily Number

**Special Conditions:**

Substantial compliance with the current permit is a condition of permit renewal.

SA – Special Approvals / Conditions Table

Item #	Description
1	Future re-use sites may be added as a minor modification.

**Flow:**

The permitted Daily Maximum Flow is 1.51 MGD to serve the three schools receiving reuse water.

**Corrective Action Sites:**

There are no Bureau of Corrective Actions sites located within a one-mile radius of the three schools.

**Wellhead Protection Program:**

Reed High School is located within a 20-year Wellhead Protection Area; the other two school locations are not located within any Wellhead Protection Areas. Spanish Springs High School and Shaw Middle School are each located within 6,000 ft of a Drinking Water Protection Area. The continued reuse activities are not expected to have any negative impact.

**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: <a href="https://netdmr.ndep.nv.gov/netdmr/public/home.htm">https://netdmr.ndep.nv.gov/netdmr/public/home.htm</a> .	8/1/2017
2	The Permittee shall submit an updated Effluent Management Plan (EMP) to the Division. The EMP shall be prepared and wet-stamped by a Nevada Registered Professional Engineer in accordance with guidance document WTS-1B: General Criteria for Preparing an Effluent Management Plan.	11/1/2016

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	10/28/2016
2	Annual Report	Annually	1/28/2017

**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 sent to the **Reno Gazette Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **8/5/2016**, 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.605.

**Proposed Determination:**

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Nathan Smith**

Date: **6/29/2016**

Title: **Staff Engineer 2**