



# STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

## DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

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

**Permittee Name:** RENO-SPARKS CONVENTION AND VISITORS AUTHORITY  
3500 SULLIVAN LANE  
SPARKS, NV - 89431

**Permit Number:** NS0095007 - [New]

**Location:** WILDCREEK GOLF COURSE, WASHOE  
3500 SULLIVAN LANE, SPARKS, NV - 89431  
LATITUDE: 39.562683, LONGITUDE: -119.771928  
TOWNSHIP: T20N, RANGE: R20E, SECTION: 29, 30, 31, 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	EFFLUENT REUSE	External Outfall		SPARKS	NV	89431	WASHOE	39.562683	-119.771928	GROUNDWATER

**General:**

The Truckee Meadows Water Reclamation Facility (TMWRF, NS2003506) provides tertiary treated, denitrified, disinfected effluent for reuse irrigation at the Wildcreek Golf Course. The treated effluent is used for spray irrigation of golf course turf grasses and for landscape drip irrigation for trees and other plants at the golf course. All reuse activities are conducted in accordance with the Division-approved Effluent Management Plan (EMP) and permit conditions.

**Discharge Characteristics:**

From January 2007 to September 2012, the average discharge was 0.32 million gallons per day (MGD) and the maximum discharge was 0.82 MGD. During that time, the average fecal coliform did not exceed permit limits (2.2 MPN/100ml), while the maximum fecal coliform exceeded permit limits once, during September 2008 (concentration in the effluent was 37 MPN/100 ml; the limit is 23 MPN/100 ml).

**Receiving Water:**

The receiving water is groundwater, and well log data show that groundwater is approximately 58 ft. below ground surface. The effluent storage ponds have synthetic liners. Discharge of effluent in accordance with this permit is not expected to have adverse effects on groundwater.

**Summary of Changes From Previous Permit:**

The requirement to monitor the total nitrogen in the effluent has been added to ensure that groundwater quality is not degraded. The annual application volume has been removed from the permit because it is addressed in the Division-approved EMP, to which the Permittee must adhere. To be consistent with current Division practices, monitoring the flow in million gallons per month has been replaced by monitoring

the flow in million gallons per day.

Due to new permit naming conventions at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV95007 to NS0095007. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for groundwater discharges to the State of Nevada. These are not to be confused with "NV" permits which are reserved for NPDES Permitting.

**Proposed Effluent Limitations:**

The discharge of treated effluent must be done in accordance with the discharge limitations and the monitoring requirements below.

## Re-use Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Monthly<sup>[1]</sup>

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 1.50 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	<= 1 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Coliform, fecal general	Daily Maximum		<= 23 Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	001	Weekly	DISCRT
Coliform, fecal general	30 Day Average		<= 2.20 Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT

### Notes (Re-use Discharge Limitations Table):

1. Sample results may be obtained from the Truckee Meadows Water Reclamation Facility (permit NS2003506) and reported by the Permittee.

### Fecal Coliform:

Fecal coliform is limited to reuse Category B standards per NAC 445A.276.

### Special Conditions:

## SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items
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**Flow:**

Flow is limited to a 30-day average of 1.0 MGD and a daily maximum of 1.5 MGD.

**Corrective Action Sites:**

This facility is not located within one (1) mile of any Bureau of Corrective Actions sites.

**Wellhead Protection Program:**

A portion of the golf course is located within 6000 ft. of a public water supply well; it is not located within a wellhead capture zone.

**Schedule of Compliance:**

## SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of a new Effluent Management Plan (EMP) for Division approval. The EMP shall be prepared in accordance with water technical sheet WTS-1B "General design criteria for preparing an effluent management plan" by a Nevada registered professional engineer or other qualified person.	6/17/2013

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Reports	Quarterly	4/28/2013
2	Annual Report	Annually	1/28/2014

**Procedures for Public Comment:**

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **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. **3/12/2013**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission

pursuant to NRS 445A.650.

**Proposed Determination:**

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

Prepared by: **Peter Lassaline**

Date: **11/29/2012**

Title: **Environmental Scientist**