



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: CITY OF HENDERSON
240 WATER STREET
HENDERSON, NV - 89015

Permit Number: NS2002518 - [New]

Location: WILDHORSE GOLF CLUB, CLARK
2100 WEST WARM SPRINGS ROAD, HENDERSON, NV - 89014
LATITUDE: 36.061502, LONGITUDE: -115.078520
TOWNSHIP: T22S, RANGE: R62E, SECTION: 5

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		HENDERSON	NV	89014	CLARK	36.061390	-115.079690	GROUNDWATER OF THE STATE

General:

The Wildhorse Golf Club golf course is irrigated with Category B, tertiary treated, and disinfected effluent supplied by the Kurt R. Segler Water Reclamation Facility (Permit NS0080003). Effluent is discharged for use and storage into pond #13 at the golf course. There are two pump stations on the golf course which pump from pond #13. One is located in the maintenance yard and one on the southwest side of pond #13. The effluent is applied via spray irrigation to the golf course turf grasses and via a drip system on other plants. The course has seven additional ponds that are used as water features. Pond #13 is lined with geofabric followed by a single 40-mil PVC liner and 4 inches of concrete. The seven smaller ponds are unlined and are separate and isolated from the reclaimed waters. All reuse activities are to be conducted in accordance with the Division-approved Effluent Management Plan and permit conditions.

Discharge Characteristics:

From June 2007 through September 2012, the Permittee did not exceed any permit limitations. The daily maximum and 30-day average flows were below the 1.75 million gallons per day (MGD) and 1.25 MGD permitted limits, respectively. During that time, fecal coliform did not exceed the permitted daily maximum of 23 MPN/100 ml and the 30-day average of 2.2 MPN/100 ml.

Receiving Water:

The receiving water is groundwater. Depth to groundwater in the area varies from approximately 5 to 40 feet below ground surface. No adverse effects are expected to occur as a result of the effluent reuse.

Summary of Changes From Previous Permit:

The requirement to monitor the total nitrogen in the effluent has been added to this permit to ensure groundwater quality is not degraded. Annual application volume has been removed from the permit because it is addressed in the Division-approved Effluent Management Plan, to which the Permittee must adhere.

Due to new permit naming conventions at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2002518 to NS2002518. 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:

Discharge of effluent is restricted to the limitations and requirements listed in the table below.

Re-use Discharge Limitations Table for Outfall 001 To Be Reported Monthly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	<= 1.25 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	Daily Maximum	<= 1.75 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Coliform, fecal general	30 Day Average		<= 2.20 Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	001	Weekly	DISCRT
Coliform, fecal general	Daily Maximum		<= 23 Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	Daily Maximum		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 Kurt R. Segler Water Reclamation Facility (permit NS0080003) and reported by the Permittee.

Proposed Technology Based Effluent Limitations:**Proposed Water Quality-Based Effluent Limitations:****Waste Load Allocation:**

Fecal Coliform:

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

WET Testing:**Special Conditions:**

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Reasonable Potential Analysis and Antidegradation Review:**Flow:**

Flow is limited to a daily maximum of 1.75 MGD and a 30-Day Average of 1.25 MGD.

Corrective Action Sites:

The Wildhorse Golf Club is located within one (1) mile of three (3) Bureau of Corrective Actions sites. No adverse impacts relating to these sites are expected as a result of this discharge.

Wellhead Protection Program:

The Wildhorse Golf Club is partially located within the 6000 ft. buffer zone of two (2) public water supply wells; it is not located within an established wellhead capture zone. No adverse effects are expected to occur as a result of this effluent reuse.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Two (2) copies of an updated Effluent Management Plan (EMP), prepared and stamped by a Nevada licensed professional engineer or other qualified person, shall be submitted to the Division for review and approval. If no changes have been made to the EMP since the last submittal, a letter shall be submitted stating so.	6/1/2013

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Report	Quarterly	4/28/2013
2	Annual Reports	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 **Las Vegas Review 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. **3/1/2013**, 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: **11/27/2012**

Title: **Environmental Scientist**