



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: WEST WENDOVER RECREATION DISTRICT
PO BOX 5010
WEST WENDOVER, NV - 89883

Permit Number: NS2006510

Location: TOANA VISTA GOLF COURSE, ELKO
2319 PUEBLO BLVD., WEST WENDOVER, NV - 89883
LATITUDE: 40.73680560, LONGITUDE: -114.086283
TOWNSHIP: 33 N, RANGE: 70 E, SECTION: 17, 18

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	SUM OF PONDS #1 & #2 AS IRRIGATION FLOW - GOLF COURSE	Land Application Site		WEST WENDOVER	NV	89883	ELKO	40.73680560	-114.086283	GROUNDWATER

General:

The Permittee, West Wendover Recreation District, has applied for the renewal of Permit NS2006510 for the Toana Vista Golf Course (Toana Vista). The facility is a 115-acre, 18-hole golf course located at 2319 Pueblo Boulevard in West Wendover, Nevada. Toana Vista reuses tertiary-treated, denitrified, and disinfected effluent for irrigation of turf grasses and landscaped areas and for non-irrigation, decorative pond features on the golf course.

The treated effluent is supplied by the West Wendover Wastewater Treatment Plant (WWTP - Permit NS0010019) and meets NAC 445A.276 reuse Category B requirements. The reclaimed water provides approximately 90% of the golf course’s irrigation requirements during a typical year, with the irrigation season usually being between March and November of each year. Reclaimed wastewater is pumped from WWTP to four storage tanks that are located adjacent to the golf course maintenance shops. From the tanks, the water gravity flows through a man-made creek into the upper irrigation pond (pond #1). The level of this pond is controlled by a manual weir by adjusting boards at the weir which sets the maximum level of the pond allowing excess water to gravity flow via an underground 10-inch PVC pipeline to the lower irrigation pond (pond #2). The golf course is irrigated using water from pond #1 and pond #2 only, using booster pumps located in pump houses adjacent to each pond. Additionally, there are four ponds which are for decorative purposes only. These ponds are manually filled as needed by golf course staff using the irrigation system.

Discharge Characteristics:

Reuse application is in accordance with the terms and conditions of the permit and the Effluent Management Plan. Reclaimed water for this site meets Reuse category B quality (NAC 445A.276) and is

denitrified below 10 milligrams per liter measured as total nitrogen.

Receiving Water:

The receiving water is the groundwater underlying the reuse sites. No adverse effects are expected to occur as a result of this effluent reuse.

Summary of Changes From Previous Permit:

Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2006510 to NS2006510. 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.

In order to maintain consistency with current NDEP policy and requirements of similar reuse facilities, the following changes to this permit have been made from the previous permit:

1. The requirement to monitor the annual average and annual maximum flow rate of the effluent has been removed;
2. The requirement to monitor the concentration of total suspended solids and 5-day biochemical oxygen demand (BOD) in effluent has been removed; and
3. The discharge limitations for fecal coliform have been removed and replaced with monitor and report (M&R).

Proposed Effluent Limitations:

The Permittee is authorized to discharge treated effluent from WWTP in accordance with the limitations, requirements, and conditions of this permit. The discharge shall be limited, sampled, and monitored by the Permittee as specified below:

Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Monthly^[1]

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	< 1.0 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	30 Day Average	< 1.0 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Coliform, fecal, colony forming units	Monthly Maximum		M&R Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Twice Per Month	DISCRT
Nitrogen, total	Monthly Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	001	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

- Sample results shall be obtained from the point of discharge for Permit NS0010009 and reported by Permittee.

Rationale for Permit Requirements:

Required water quality parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A and groundwaters of the State are protected. The Permittee is in substantial compliance with the permit requirements.

Fecal Coliform:

Fecal coliform concentration limits were replaced with M&R in the Reuse Discharge Limitations Table for this permit renewal because fecal coliform concentrations are already being managed and monitored by the WWTP under effluent limitations defined in Permit NS0010019. The treated effluent meets Reuse Category B requirements (NAC 445A.276).

Special Conditions:

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Flow:

The 30-day average flow rate and the daily maximum flow rate shall be less than 1.0 million gallons per day.

Corrective Action Sites:

There are no Bureau of Corrective Action Sites located within a one-mile radius of this facility.

Wellhead Protection Program:

Toana Vista is not located within a Drinking Water Protection Area or a Wellhead Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall provide the Division with two copies of the updated Effluent Management Plan (EMP). The submitted EMP shall address any changes in operation procedures or equipment used at the permitted facility. The Permittee shall not reuse treated effluent prior to having an EMP, pursuant to NAC 445A.275. The EMP shall be prepared and wet-stamped by a Nevada Registered Professional Engineer with comprehensive knowledge of the project. If no updates or revisions are required, the Permittee shall submit a letter by the due date stating that there have been no changes to the previously approved EMP.	7/1/2016

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	7/28/2016
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 **Wendover Times and 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. **2/21/2016**, 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: **Steve McGoff**
Date: **4/18/2013**
Title: **Staff Engineer III**