



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: TOURNAMENT PLAYERS CLUB
1700 VILLAGE CENTER CR
LAS VEGAS, NV - 89134

Permit Number: NS0099001

Location: TPC - SUMMERLIN GOLF COURSE, CLARK
1700 VILLAGE CENTER CIRCLE, LAS VEGAS, NV - 89134
LATITUDE: 36.215278, LONGITUDE: -115.302222
TOWNSHIP: 20 S, RANGE: 60 E, SECTION: 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	GOLF COURSE	Land Application Site		LAS VEGAS	NV	89134	CLARK	36.215278	-115.302222	GROUNDWATER

General:

This is a renewal of the discharge permit for the Tournament Players' Club (TPC) - Summerlin that operates the TPC - Summerlin Golf Course, an 18-hole championship golf course facility located at 1700 Village Center Circle in Las Vegas, Clark County. There are no substantive changes from the previous permit.

The permitted facility utilizes tertiary-treated, denitrified and disinfected effluent supplied by the City of Las Vegas' Durango Hills Water Resource Center (DHWRC). The golf course uses Category A treated effluent for spray irrigation of turf grass and plant materials on the golf course facilities and common areas. Reuse water, in combination with potable water, provides the course with the volume of water required. The relative percentages of potable and reuse water vary with the seasonal irrigation demand. The reuse water irrigation is done in accordance with the approved Effluent Management Plan (EMP) and the terms and conditions of the permit.

Discharge Characteristics:

TPC – Summerlin uses high-quality disinfected reclaimed water from DHWRC to irrigate the golf course. The 30-day average total coliform requirement is set at 2.2 colony forming units (CFU), or the most probable number (MPN)/100 mL of total coliform. This is Category A reuse water and, in accordance with NAC 445A.277, a buffer zone and control of public access are not required.

Receiving Water:

The receiving water is groundwater of the State. Groundwater in the vicinity of the course is estimated to be at 500 to 700 feet below ground surface, as reported in a previous EMP, and by measurements taken at the Las Vegas Valley Water District Well #093. Groundwater flow direction is reported to be southeast. There are no monitoring wells required at this facility due to the depth to groundwater.

Summary of Changes From Previous Permit:

There have been minor changes from the previous permit. Reporting of the amount of nitrogen applied annually has been removed as the reuse is denitrified, which is less than 10 mg/L. NDEP also has a revised permit numbering system so the permit number has been changed from NEV99001 to NS0099001. The type of permit has not changed due to this revised numbering system.

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 (Land Application Site) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, total general	Monthly Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) ^[3]	Prior to Reuse ^[4]	001	Weekly	DISCRT
Coliform, total general	Monthly Average		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) ^[3]	Prior to Reuse ^[4]	001	Weekly	DISCRT
Flow rate ^[1]	Monthly Maximum	<= 2.5 Million Gallons per Day (Mgal/d) ^[2]		Prior to Reuse	001	Continuous	METER
Flow rate ^[1]	30 Day Average	<= 2.0 Million Gallons per Day (Mgal/d) ^[2]		Prior to Reuse	001	Continuous	METER

Notes (Re-use Discharge Limitations Table):

1. Irrigation Rate, MGD.
2. Monthly application rates in the Effluent Management Plan should be used as a guide.
3. CFU MPN/100 mL
4. Sample results shall be obtained from the point of discharge for Permit NS0098005 and reported by Permittee.

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
Flow, total	Annual Total	<= 405 Million Gallons (Mgal) ^[1]		Prior to Reuse	001	Annual	TOTALZ

Notes (Re-use Discharge Limitations Table):

- 1,242 Acre-Feet/Year, which is based upon 110% of the Application Volume determined from the consumptive use balance in the Effluent Management Plan and shall be submitted with the 4th Quarter DMR.

Rationale for Permit Requirements:

Monitoring is required to ensure that groundwaters of the State of Nevada are not degraded. Monitoring is also required to assess the level of treatment being provided, and to determine compliance with discharge permit limits. The Permittee is in substantial compliance with its current discharge permit.

Fecal Coliform:

- 2.2 CFU MPN/100 mL Total Coliform - 30 day average
- 23 CFU MPN/100 mL Total Coliform - monthly maximum

Special Conditions:

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Flow:

The permitted 30-day average flow is 2.0 MGD, which is the maximum anticipated amount for the hot summer months. The monthly daily maximum is 2.5 MGD. The annual average usage shall not exceed 405 million gallons (1,242 Acre-feet/year), which is based upon 110% of the Application Volume determined from the consumptive use balance in the EMP and shall be submitted with the 4th Quarter DMR.

Corrective Action Sites:

There are no Bureau of Corrective Actions remediation sites located within a one-mile radius of the reuse site.

Wellhead Protection Program:

There are several public water supply wells located near the golf course which puts the reuse site within 3,000-foot radius Drinking Water Protection Areas for those wells. Discharges in accordance with the proposed permit are not anticipated to negatively impacts these wells.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies of a revised Effluent Management Plan (EMP) for NDEP's review wet-stamped by a Nevada Professional Engineer or qualified professional that follows the requirements listed in Guidance Document WTS-1B: <i>General Criteria for Preparing an Effluent Management Plan</i> .	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	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 **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. **4/15/2016**, 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: **5/8/2013**
Title: **Staff Engineer III**