



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

**Permittee Name:** TOUR SPECS GOLF MANAGEMENT LLC DBA DAYTON VALLEY GOLF COURSE

101 PALMER DRIVE  
DAYTON VALLEY, NV 89403

**Permit Number:** NS2001501

**Permit Type:** GROUNDWATER DISCHARGE

**Designation:** GROUNDWATER

**New/Existing:** EXISTING

**Location:** DAYTON VALLEY GOLF COURSE, LYON  
101 PALMER DR, DAYTON, NV 89403  
LATITUDE: 39.250733, LONGITUDE: -119.544492  
TOWNSHIP: T16N, RANGE: R22E, SECTION: S17

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	EFFLUENT REUSE	External Outfall		39.25170710	-119.545259	GROUNDWATER

**Permit History/Description of Proposed Action**

The Permittee, Tour Specs Golf Management LLC dba Dayton Valley Golf Course, has applied for the renewal of Permit NS2001501, for the Dayton Valley Golf Course (DVGC), located at 101 Palmer Drive, in Dayton, Lyon County, Nevada. The Permittee proposes to continue to utilize reclaimed water for irrigation and pond maintenance at the golf course and for proposed irrigation of future projects located both to the northeast and east of the golf course (see the expanded description under the Facility Overview) encompassing approximately 345 acres total between both the current and future places of applied use. Water is/will be delivered from Lyon County’s Rolling A Wastewater Treatment Facility (henceforth Rolling A).

This permit was first issued on July 11, 2001. The most recent permit was issued on December 1, 2016, and expired on November 30, 2021; the permit has been administratively continued since.

**Facility Overview**

The DVGC's applied use area is composed of a clubhouse and an 18-hole golf course, along with the following proposed irrigation projects - Legado PUD's (planned unit development) common areas and streetscapes, an additional 9-hole golf course and driving range, a casino resort with hotel and associated casita areas, and an elementary school to be built northeast and east of the current golf course. The DVGC, and future projects, are/will be irrigated with reclaimed water supplied by the Rolling A (NS2000500).

The reclaimed water is delivered from the Rolling A, through a transmission main to the DVGC, where it is discharged into lined Ponds 1 and 14, and then re-distributed into a series of twelve (12) other lined ponds. The DVGC's Pond 3 receives groundwater, which can be gravity fed into Pond 4 (which is reclaimed water

sourced), to provide a blend to supplement the irrigation re-use water supply. Pond 2 can also be used to store reclaimed water as needed. A pump station at Pond 4 diverts the water into the irrigation system for distribution throughout the golf course. Irrigation water is applied via spray irrigation to the turf grass or via drip irrigation to the various plants and trees throughout the property. For the future projects, reclaimed water will be discharged into proposed Pond 1, located in the casitas development, and piped out to the various locations for irrigation. Currently irrigation at the golf course is done at night, when public access to the golf course is restricted. The DVGC is also fenced off to prevent public access. All reuse activities will continue to be conducted in accordance with the approved Reclaimed Water Management Plan (RWMP) (formerly known as an Effluent Management Plan).

The site's RWMP was last reviewed and approved by the Division on April 28, 2011. The Technical, Compliance, and Enforcement (TCE) Branch of the Bureau of Water Pollution Control requires RWMPs be updated every two (2) permit cycles which equates to every ten (10) years. The next RWMP will be due three months from the permit issuance date.

### **Outfall Summary**

Outfall 001 – This external outfall is for the discharge of reclaimed water to the golf course and associated planned use areas.

Note: In the future, additional outfalls may be added upon completion of the proposed Legado PUD's (planned unit development) common areas and streetscapes, an additional 9-hole golf course and driving range, a casino resort with hotel and associated casita areas, and an elementary school to be built northeast and east of the current golf course.

### **Effluent Characterization**

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from September 2019 to August 2024, was reviewed as part of this permit renewal process. The daily maximum discharge flow rate for Outfall 001 is limited to 4.1 million gallons per day (MGD). The long-term average discharge flow rate for Outfall 001 was 0.421 million gallons per day (MGD). There were no reported exceedances of this limit.

The Rolling A provides tertiary treated, denitrified, and disinfected reclaimed water which meets Category B bacteriological quality per Nevada Administrative Code (NAC) 445A.276 to the DVGC; therefore, the reclaimed water should meet, at a minimum, a daily maximum fecal coliform of 23 colony forming units (CFU) / 100 mL and a 30-day geometric mean of 2.2 CFU / 100 mL. The average daily maximum for fecal coliform reported was 5.818 CFU / 100 mL. There were three (3) exceedances of the daily maximum reported during the five-year period reviewed, along with one (1) exceedance of the 30-day geometric mean.

The total nitrogen, reported during the September 2019 to August 2024 period, had a daily maximum of 6.2 mg/L (milligrams per liter) and a 30-day average of 5.775 mg/L.

### **Pollutants of Concern**

Pollutants of concern are any pollutants or parameters that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological condition of the receiving water. Common pollutants for the reclaimed water are fecal coliform and nitrogen.

### **Receiving Water**

The receiving water is groundwater of the State. Depth to groundwater in the area is 75 feet below ground surface. No adverse effects to groundwater are expected due to this discharge being tertiary treated, denitrified, and disinfected reclaimed water which meets Category B bacteriological quality per NAC 445A.276, so there is no concern over re-use.

### **Compliance History**

The golf course was in compliance during the September 2019 to August 2024 reporting period, with the exception of leakage of the pond liner at Pond 8, which is to be replaced, and drainage issues causing reclaimed water to flow over the cart path. Action has been taken to eliminate the drainage problems and additional Special Approvals/Conditions were added to address the liner replacement and requirements for the ponds (see Special Approval/Conditions Table).

**Proposed Effluent Limitations**

The discharge shall be limited and monitored by the Permittee as specified below.

### Re-use Discharge Limitations Table for Sample Location 001 (Effluent Reuse) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general <sup>[1]</sup>	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) <sup>[2]</sup>	Prior to Irrigation	001	Weekly	DISCRT
Coliform, fecal general <sup>[1]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) <sup>[2]</sup>	Prior to Irrigation	001	Weekly	DISCRT
Flow rate	30 Day Average	<= 2.7 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Flow rate	Daily Maximum	<= 4.1 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Nitrogen, total <sup>[1]</sup>	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Prior to Irrigation	001	Weekly	DISCRT

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

1. Sample results to be obtained from NS2000500 (Rolling A WTF) and reported by the Permittee.
2. CFU / 100 mL or MPN / 100 mL.

**Re-use Discharge Limitations Table for Sample Location 001 (Effluent Reuse) To Be Reported Annually**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Annual Mass Loading	M&R Pounds per Year (lb/yr) <sup>[1]</sup>		Prior to Irrigation	001	Annual	CALCTD
Nitrogen, total <sup>[2]</sup>	Minimum Value		M&R Percent (%)	Prior to Irrigation	001	Annual	CALCTD

Notes (Re-use Discharge Limitations Table):

- To be reported as pounds per acre per year (lbs/acre/year), refer to Page 20 of WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan. This formula is below:  

$$\text{Effluent N Applied} = (\text{MGD Applied} \times \text{Effluent N Conc. (mg/L)} \times 8.34 \times \text{\#days/mo.}) \div \text{\# Acres}$$
- Report the percentage of nitrogen uptake. Refer to Technical Sheets WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan and WTS-1C Nutrient Management for Reuse & Biosolids Sites.

**Summary of Changes From Previous Permit**

Coordinates of Outfall 001 were updated to actual location.

RU – Re-use Discharge Limitations Table updates:

The Total Nitrogen parameter for the 30-day average was deleted.

The Fecal Coliform parameter was changed from “30-Day Average” to “30-Day Geometric Mean”.

The Total Nitrogen, daily maximum base, was changed from a concentration of “M & R (Monitor & Report)” to “less than or equal to 10” milligrams per Liter.

The following footnotes were added to the re-use table:

- Sample results to be obtained from NS2000500 and reported by the Permittee.
- CFU / 100 mL or MPN / 100 mL.

An additional RU – Re-use Discharge Limitations Table was added with the following parameters for annualized reporting:

Total Nitrogen, with a “Annual Mass Loading” base, a “M & R Pounds per Year” quantity, the monitoring location being “Prior to Irrigation”, with an “Annual” measurement frequency, and a “CALCTD” sample type.

Total Nitrogen, with a “Minimum Value” base, a “M & R %” concentration, the monitoring location being “Prior to Irrigation”, with an “Annual” measurement frequency, and a “CALCTD” sample type.

The following associated footnotes were also added:

- To be reported as pounds per acre per year (lbs/acre/year), refer to Page 20 of WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan. This formula is below:  

$$\text{Effluent N Applied} = (\text{MGD Applied} \times \text{Effluent N Conc. (mg/L)} \times 8.34 \times \text{\#days/mo.}) \div \text{\# Acres}$$
- Report the percentage of nitrogen uptake. Refer to Technical Sheets WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan and WTS-1C Nutrient Management for Reuse & Biosolids Sites.

A special approval/condition was added to the permit due to the golf course ponds currently being empty. This condition must be satisfied prior to any potential pond re-filling. Liners need to be replaced and additional review by the Division will be required.

**Technology Based Effluent Limitations**

Technology based effluent limitations are not applicable to this permit.

**Water Quality Based Effluent Limitations**

Water quality based effluent limitations are not applicable to this permit.

**Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)**

Water quality based effluent limitations are not applicable to this permit.

**Basis for Effluent Limitations**

Fecal coliform is required to be monitored to assess the quality of reclaimed water being applied and for the protection of human health and the environment.

The proposed permit establishes the requirement to report the total nitrogen applied to ensure groundwater of the State is not being degraded.

The proposed permit establishes the requirement to report the total nitrogen uptake to ensure groundwater of the State is not being degraded.

**Anti-backsliding**

Anti-backsliding is not only for removing, or lessening, limits, it can also apply to the removal, or lessening, of the sampling frequency. The removal of the 30-day average nitrogen sampling and reporting requirement is considered backsliding. Although the permit will not be less restrictive with the removal of the 30-day average nitrogen sampling and reporting requirement, the daily maximum nitrogen limit is now 10 mg/L, which is more restrictive than the requirement to monitor and report for the 30-day average.

**Antidegradation**

The Division has developed an antidegradation regulation that is applied on a statewide basis, and which meets the statutory requirements of Nevada’s water pollution control law found at Nevada Revised Statute (NRS) 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at Title 40 in the Code of Federal Regulations (CFR) § 131.12. The objective of the Division’s antidegradation regulation is to prevent degradation of Nevada’s surface waters and maintain the unique attributes and special characteristics and water quality associated with high-quality waters.

As this permit is for discharges to groundwater, and not surface water, the new antidegradation rule is not applicable. There are currently no specific water quality standards that have been formally adopted by the State for groundwater, however, data reviewed during the renewal process does not indicate the potential for degradation of the groundwater from the reclaimed water discharged within the compliance limits of the proposed permit.

**Special Conditions**

See Special Approvals/Conditions Table below.

SA – Special Approvals / Conditions Table

Item #	Description
	Should the Permittee plan to refill the golf course's dried out ponds in the future (Hole #9 pond)

Item #	Description
1	installation of new liners will be required prior to refilling by any water source (reclaimed or underground). A liner construction plan and material list shall be submitted to the Division for approval prior to the start of any construction or re-filling activities.

**Discharges From Future Outfalls/ Planned Facility Changes**

There is a potential for discharge from future outfalls or planned facility changes based on the tentative map on file with Lyon County. A modification to the permit may be performed upon the request of the Permittee to add additional reuse sites.

**Corrective Action Sites**

There are no active Bureau of Corrective Actions (BCA) sites located within a one-mile radius of the discharge location.

**Wellhead Protection Program**

There are Public Water Supply (PWS) wells located approximately 980 feet southwest to the outfall that has a depth of approximately 510 with a sanitary seal at 50 feet and a screen from 200 to 560 feet. A second well is located 2,480 feet to the southwest to the outfall that has a depth of approximately 510 with a sanitary seal at 50 feet and a screen from 200 to 560 feet. The outfall is located in the Drinking Water Protection Area of the wells, which is defined by a 3,000-foot radius around any PWS well. The outfall is not located in a Wellhead Protection Area (WHPA), which represents an approximate 10-year capture zone of a well. The wells are at minimal risk based on the confined aquifer and the well structures and depths.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies (one hard copy and one electronic copy) of a Reclaimed Water Management Plan (RWMP) to the Division for review and approval. The RWMP shall follow guidance document WTS1B: General Design Criteria for Preparing a Reclaimed Water Management Plan.	7/1/2025



**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Report	Quarterly	7/28/2025
2	Annual Report	Annually	1/28/2026

**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 mailed to interested persons on our mailing list and will be posted on our website at <https://ndep.nv.gov/posts>. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **4/30/2025**, 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 in 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: **Melissa Hanson**  
 Date: **3/21/2025**  
 Title: **Staff II Engineer**