



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: RENO-SPARKS CONVENTION VISITORS AUTHORITY

3500 SULLIVAN LN
SPARKS, NV 89431

Permit Number: NS0095007

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: WILDCREEK GOLF COURSE, WASHOE
3500 SULLIVAN LANE, SPARKS, NV 89431
LATITUDE: 39.560030, LONGITUDE: -119.769680
TOWNSHIP: T20N, RANGE: R20E, SECTION: 29, 30, 31, 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	GOLF COURSE	External Outfall		39.56066270	-119.767888	GROUNDWATER

Permit History/Description of Proposed Action

The Permittee, Reno-Sparks Convention and Visitors Authority (RSCVA), has applied for the renewal of Permit NS0095007 for the Wildcreek Golf Course (WGC), located at 3500 Sullivan Lane, in Sparks, within Washoe County, Nevada. The Permittee proposes to continue to use reclaimed water, supplied by the Truckee Meadows Water Reclamation Facility (TMWRF), to irrigate golf course landscaping and fill associated pond areas falling within the course’s boundary.

This permit was first issued on February 23, 1996. The most recent permit was issued on March 21, 2013, and expired on March 20, 2018; the permit has been administratively continued since.

Facility Overview

The WGC is composed of a clubhouse and (currently) a 9-hole course, with common areas and ponds, encompassing approximately 113 acres total. An additional 9-holes are proposed to be constructed to the northeast of the current course. The golf course is irrigated with reclaimed water supplied by the TMWRF (NS2003506). TMWRF provides tertiary treated, denitrified, and disinfected reclaimed water which meets Category B bacteriological quality per Nevada Administrative Code (NAC) 445A.276.

The reclaimed water is brought into the WGC via a lateral connection to TMWRF’s reclaimed water transmission main. A 12-inch diameter PVC lateral conveys the reclaimed water into the golf course, from the east side of the parcel, and discharges into the most northerly irrigation pond of a four pond series. The four synthetic-lined ponds store the reclaimed water onsite, with the first one in the series overflowing to the next pond in the system, and continuing through the remaining ponds, in a southerly direction, towards McCarran Boulevard. The irrigation system pumps the reclaimed water from the pond system to irrigate the golf course, where it is used for both irrigation and recirculation.

The golf course is irrigated from several sources with the reclaimed water serving as the most constant one. There are also two permitted surface water rights on file with the Nevada Division of Water Resources. The first being Permit 78563, Certificate 18122, which is sourced from the Wells Creek. The creek daylights from within the City of Sparks' open access public park, located to the north of both the high school and golf course. Wells Creek flows downhill, where it is diverted via an 18-inch diameter corrugated metal pipe, into the multi-pond system, and then pumped through the distribution system for applied use throughout the golf course. The second surface source, Permit 78564, Certificate 18123, is diverted from the Truckee River, through the Orr Ditch, and into the above-described ponds to also serve the golf course's irrigation needs, with reclaimed water being utilized when there is insufficient flows from surface water sources due to drought or delivery related constraints. There is no separation of systems due to the surface water not being sourced from a potable water system (PWS).

The site's Reclaimed Water Management Plan (RWMP) (formerly known as an Effluent Management Plan) was last reviewed and approved by the Division on October 31, 2013. 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; thus, an updated RWMP is due within three months of the reissued permit's effective date.

Outfall Summary

Outfall 001 – This land use application outfall is for the discharge of reclaimed water for irrigation of the golf course.

Effluent Characterization

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from October 2019 to September 2024, was reviewed as part of this permit renewal process. The long-term average discharge flow rate for Outfall 001 was 0.18 million gallons per day (MGD). The daily maximum discharge flow rate for Outfall 001 is limited to 1.50 MGD. There were no reported exceedances for this limit.

TMWRF provides tertiary treated, denitrified, and disinfected reclaimed water which meets Category B bacteriological quality per Nevada Administrative Code (NAC) 445A.276 to the WGC; 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 long-term average for the daily maximum fecal coliform reported was 5.16 CFU / 100 mL.

For the same reporting period, the average daily maximum for total nitrogen was 2.85 mg/L (milligrams per liter).

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 of concern for denitrified reclaimed water are fecal coliform and total nitrogen.

Receiving Water

Receiving water is groundwater of the State. Depth to groundwater at the site is approximate 58 feet below ground surface (bgs). No adverse effects are expected to occur because of this effluent reuse.

Compliance History

The golf course was in substantial compliance during the October 2019 to September 2024 reporting period.

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 (Golf Course) To Be Reported Monthly^[1]

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general	30 Day Geometric Mean		≤ 2.2 Most Probable Number per 100ml T (MPN/100mL) ^[2]	Prior to Reuse	001	Weekly	DISCRT
Coliform, fecal general	Daily Maximum		≤ 23 Most Probable Number per 100ml T (MPN/100mL) ^[2]	Prior to Reuse	001	Weekly	DISCRT
Flow rate	Daily Maximum	≤ 1.5 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	Monthly Average	≤ 1 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Nitrogen, total	Daily Maximum		≤ 10 Milligrams per Liter (mg/L)	Prior to Reuse	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.
2. CFU / 100 mL or MPN / 100 ml.

Re-use Discharge Limitations Table for Sample Location 001 (Golf Course) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total ^[1]	Annual Mass Loading	M&R Pounds per Year (lb/yr) ^[2]		Prior to Reuse	001	Annual	CALCTD
Nitrogen, total ^[3]	Minimum Value		M&R Percent (%)	Prior to Reuse	001	Annual	CALCTD

Notes (Re-use Discharge Limitations Table):

1. Cumulative Annual Nitrogen Applied (pounds/acre/year). This includes all sources of nitrogen applied (e.g., fertilizer, etc.).
2. To be reported as pounds per acre per year (lbs/acre/year).
3. Report the percentage of nitrogen uptake.

Summary of Changes From Previous Permit

Coordinates were updated based on a Latitude (Lat) and Longitudinal (Long) application:

Facility coordinates were revised to show true facility location at 3500 Sullivan Lane, Sparks, NV being: Lat 36.5600300°, Long -119.7696803°.

Outfall 001 coordinates were revised to show actual location of outfall, located east of clubhouse and being the northerly irrigation pond: Lat 39.56066027°, Long -119.7678886°

The northern 18 holes of the original golf course were removed during the completion of the new Hug High School project, leaving a 9-hole course with plans to construct an additional 9 holes pending. Total acreage of the parcel, as owned by the golf course, has changed from 165 acres to 113 acres (based on records from the Washoe County Assessor’s Office).

The discharge parameter for Total Nitrogen, for the 30-Day Average, was removed from the quarterly reporting for Outfall 001.

The footnote, “CFU or MPN/100 ml.” was added to the table for the concentration units for Coliform, fecal general.

Annualized reporting was added to Outfall 001 with the following two parameters were added:

Discharge parameter for Total Nitrogen, with an “Annual Mass” Loading base, a “Monitor & Report (M&R)” quantity, a “Pounds per Year (lb/yr)’ quantity unit, “Prior to Reuse” monitoring location, an “Annual” measurement frequency, and a “Calctd” sample type.

Discharge parameter for Total Nitrogen, with a “Minimum Value” base, an “M&R Percent (%)” concentration and concentration unit, a “Prior to Reuse” monitoring location, an “Annual” measurement frequency, and a “Calctd” sample type.

Along with the following footnotes:

1. Cumulative Annual Nitrogen Applied (pounds/acre/year). This includes all sources of nitrogen applied (e.g., fertilizer, etc). This footnote was added to the Total Nitrogen parameter with the Annual Mass Loading base.
2. To be reported as pounds per acre per year (lbs/acre/year). This footnote was added to the Total Nitrogen parameter with the Annual Mass Loading base.
3. Report the percentage of nitrogen uptake. This footnote was added to the Total Nitrogen with the

Minimum Value base parameter.

The title, and associated acronym, for the Effluent Management Plan and EMP, was updated to Reclaimed Water Management Plan and RWMP. A new due date was assigned due to the 10-year update requirement being not adhered to (See SOC - Schedule of Compliance Table).

The yearly report date requirement was added to the deliverable schedule under the Reports, Plans, and other Submittals.

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

None of the proposed permit limits were changed to a less restrictive limit compared to those in the previous permit.

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

There are no Special Approval / Condition items

Discharges From Future Outfalls/ Planned Facility Changes

The Permittee has proposed an additional 9-holes to be constructed. Change to the permit may be done through the submittal of a modification request and supporting documentation.

Corrective Action Sites

There are two (2) active Bureau of Corrective Actions (BCA) sites located within a one mile radius of the discharge location. The two sites (Facility ID: D-000047 and Facility ID: D-001069) have confirmed releases of Tetrachloroethylene (PCE). BCA has verified, based on the permit's flow rate and distance to these sites, that there will be no impact on the groundwater plumes.

Wellhead Protection Program

The nearest Public Water Supply (PWS) well is located approximately 5,870 feet to the south of the outfall. The outfall is not located within a Wellhead Protection Area, which represents an approximate 10-year capture zone of a well, or within a Drinking Water Protection Area, which is defined by a 3,000-foot radius around a PWS well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	<p>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.</p> <p>The revised (updated) RWMP should include two options:</p> <ul style="list-style-type: none">A. Irrigating existing 9 holes; orB. Irrigating 9 existing holes and 9 future holes (to avoid having to submit a revised RWMP after additional holes are constructed).	6/28/2025

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Reports	Quarterly	4/28/2025
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. **2/15/2025**, 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 Marr**

Date: **1/9/2025**

Title: **Staff II Engineer**