FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: STALLION MOUNTAIN GOLF CLUB

5500 FLAMINGO RD
LAS VEGAS, NV 89122

Permit Number: NS2007504

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: STALLION MOUNTAIN COUNTRY CLUB, CLARK
5500 FLAMINGO RD, LAS VEGAS, NV 89122
LATITUDE: 36.118056, LONGITUDE: -115.046667
TOWNSHIP: 21 S, RANGE: 62 E, SECTION: 15 AND 16

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	GOLF COURSE	External Outfall		36.118056	-115.046667	GROUNDWATER
MW1	MONITORING WELL NORTH	Monitoring Well		36.129390	-115.053360	GROUNDWATER
MW2	MONITORING WELL SOUTH	Monitoring Well		36.123640	-115.054720	GROUNDWATER
MW3	MONITORING WELL EAST	Monitoring Well		36.122860	-115.042150	GROUNDWATER

Permit History/Description of Proposed Action
The Permittee, Stallion Mountain Golf Club, has applied for a renewal groundwater discharge permit, NS2007504, for the golf course located at 5500 E Flamingo Rd, Las Vegas, Clark County, Nevada. The Permittee proposes to use reclaimed water to irrigate the golf course. The permit was first issued in September of 2006. The permit was last issued on April 21, 2013, and expired on April 21, 2018. The permit has been administratively continued since.

Facility Overview
Stallion Mountain Country Club is a 160-acre golf course located in Las Vegas, Nevada. The Permittee receives reclaimed water from the City of Las Vegas Water Pollution Control Facility (permit NS0098015) for irrigation of golf course turf and other landscaping areas. Irrigation using reclaimed water is conducted in accordance with a reclaimed water management plan (RWMP) submitted to, and approved by, the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (Division).

Outfall Summary
Outfall 001 - This outfall is for the use of reclaimed water for irrigating the golf course.

MW1 - This outfall is an upgradient monitoring well.

MW2 - This outfall is an upgradient monitoring well.

MW3 - This outfall is a downgradient monitoring well.

Effluent Characterization
Water used for irrigation is tertiary treated, nitrified, and disinfected reclaimed water (Reuse Water Category B pursuant to NAC 445A.276).

From January 2020 to January 2025, reclaimed water delivered to the Permittee was characterized as follows: 30-day average flow of 0.26 million gallons per day (MGD); 30-day average fecal coliform of 0.73 colony forming units per 100 milliliters; and total nitrogen as N of 16.7 mg/L.

Pollutants of Concern
Pollutants of concern are any pollutant, or parameters, that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological conditions of the receiving water. Pollutants of concern for this permit are fecal coliform and total nitrogen.

Receiving Water
The receiving water is groundwater of the state of Nevada. Reclaimed water used for irrigation discharges to groundwater via percolation. Groundwater is reportedly encountered at approximately 11-13 feet below ground surface with an easterly flow. Groundwater underlying the Permittee's golf course is considered non-potable due to historically elevated concentrations of total nitrogen and total dissolved solids (TDS).

The Permittee has installed three (3) groundwater monitoring wells; MW1 and MW2 are upgradient while MW3 is downgradient of the golf course. Historically, the upgradient monitoring wells have had higher levels of total nitrogen than the downgradient well. Average total nitrogen levels from January 2020 - January 2025, as measured from the three monitoring wells, are as follows: MW1: 19.9 mg/L; MW2: 17.2 mg/L; and MW3: 18.3 mg/L.

Total nitrogen concentrations in the groundwater decreased during the previous permit term. If monitoring wells exhibit an increasing trend in total nitrogen, the Division may require an increase in monitoring and/or an increase in the number of monitoring wells.

Compliance History
The Permittee is considered to be in substantial compliance with the permit.

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

Groundwater Monitoring Wells Table for Sample Location Mw1 (Monitoring Well North) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Depth to water level ft below landsurface	Daily Minimum	M&R Feet (ft)		Groundwater	MW1	Quarterly	STATIC

Groundwater Monitoring Wells Table for Sample Location Mw2 (Monitoring Well South) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW2	Quarterly	DISCRT
Depth to water level ft below landsurface	Daily Minimum	M&R Feet (ft)		Groundwater	MW2	Quarterly	STATIC

Groundwater Monitoring Wells Table for Sample Location Mw3 (Monitoring Well East) To Be Reported Quarterly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW3	Quarterly	DISCRT
Depth to water level ft below landsurface	Daily Minimum	M&R Feet (ft)		Groundwater	MW3	Quarterly	STATIC

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**
Flow rate	Daily Maximum	<= 3 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	<= 2 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Nitrogen, total	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	DISCRT
Coliform, fecal general	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)[2]	Effluent Gross	001	Weekly	DISCRT
Coliform, fecal general	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)[2]	Effluent Gross	001	Weekly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Monitoring may be performed by the supplier of the reclaimed water, but results must be 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	Annual Mass Loading	M&R Pounds per Year (lb/yr)[1]		Effluent Gross	001	Annual	CALCTD
Nitrogen, total[2]	Minimum Value		M&R Percent (%)	Effluent Gross	001	Annual	CALCTD

Notes (Re-use Discharge Limitations Table):

1. To be reported as pounds per acres 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:

   Effluent N Applied = (MGD Applied x Effluent N Conc. (mg/l) x 8.34 x # days/mo.) ÷ # Acres.

2. Report the percentage of nitrogen uptake. Refer to Technical Sheets WTS1B: General Criteria for Preparing a Reclaimed Water Management Plan and WTS-1C Nutrient Management for Reuse & Biosolids Sites.

Summary of Changes From Previous Permit
The Location Name for Outfall 001 has been changed from 001 to Golf Course.

Outfall SMCC-North has been renamed MW1.

Outfall SMCC-South has been renamed MW2.

Outfall SMCC-East has been renamed MW3.

Annual reporting of total nitrogen mass loading has been added to the permit.

Annual reporting of total nitrogen annual uptake percentage has been added to the permit.

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
The proposed permit establishes the requirement to sample for fecal coliform to assess the quality of reclaimed water being applied and for the protection of human health and the environment. Total nitrogen is monitored to assess potential impacts to the groundwater.

Anti-backsliding
To prevent backsliding, effluent limitations in reissued permits are required to be as stringent as those in the previous permit. No backsliding has occurred in this permit renewal.

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 drafting 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 the Special Approvals / Conditions Table below.

SA – Special Approvals / Conditions Table

Item #	Description
1	The Permittee may disregard sections B.MW.1.3.1 through B.MW.1.3.3 of the permit. NDEP may require the RWMP to be revised to provide management practices that increase nitrogen uptake by vegetation and/or adjust other nitrogen sources such as fertilizer application rates.

Discharges From Future Outfalls/ Planned Facility Changes
The Permittee does not anticipate the need for future outfalls or changes to the facility.

Corrective Action Sites
There are no Bureau of Corrective Actions (BCA) remediation sites located within a one-mile radius of the proposed facility.

Wellhead Protection Program
The outfalls are 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 Public Water System well.

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 Managment 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.	10/28/2025

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Discharge Monitoring Reports	Quarterly	10/28/2025
2	Annual Reports	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. **6/30/2025,** 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: **Bonnie Hartley**
Date: **5/27/2025**
Title: **Staff II, Associate Engineer**