



A division of the
Nevada Department of Conservation & Natural Resources

NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**

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FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: LEGACY GOLF CLUB
130 PAR EXCELLENCE DR.
HENDERSON, NV 89074

Permit Number: NS0092024

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: THE LEGACY GOLF CLUB, CLARK
130 PAR EXCELLENCE DRIVE, HENDERSON, NV 89074
LATITUDE: 36.03585210, LONGITUDE: -115.08144290
TOWNSHIP: 22S, RANGE: 62E, SECTION: 17N

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	GOLF COURSE	Land Application Site		36.04097350	-115.083201	GROUNDWATER

Permit History/Description of Proposed Action

The Permittee, Legacy Golf Club, has applied for renewal of groundwater discharge permit NS0092024 for the Legacy Golf Course (Legacy) located at 130 Par Excellence Drive in Henderson, Clark County, Nevada. The Permittee proposes to continue discharging reuse water that meets Category B bacteriological quality, per Nevada Administrative Code (NAC) 445A.276, for irrigation of the golf course. Reuse water is discharged onsite via spray and drip irrigation on the greens, trees, and other landscaping. The same daily maximum flow rate of 2.5 million gallons per day (Mgal/d) applies to this permit renewal.

The permit was first issued on May 2, 1994. The most recent permit was issued on December 19, 2012, and expired on December 18, 2017. The Permittee was discharging reclaimed water without a valid permit since expiration, and a permit renewal application was later accepted on June 5, 2026; the permit has been administratively continued since.

Facility Overview

The Legacy Golf Course is a 155-acre, 18-hole course consisting of Bermuda grass and bluegrass mix. Reclaimed water is supplied by a combination of two water reclamation facilities owned and operated by the City of Henderson (Permit NS0080003). The water reclamation facilities are the Kurt R. Segler Water Reclamation Facility (KRSWRF), which discharges to the Green Valley Reclaimed Water Distribution System (GVRWDS), and the Southwest WRF (SWRF). The combined reuse water is conveyed to the golf course via a 24-inch mainline. All supplied water is directed into two storage ponds (clay-lined) located at Hole 17 greens via a 10-inch lateral line. The delivery system into these ponds is open ended and consist

of three separate inlets located around the ponds. The total pond capacity is 12 million gallons with six air diffusers that continually aerate the water.

Daily operations are controlled electronically, where the sensor connected to the wet well inside the pump station building controls the opening or closing of the City's reclaimed water valve. This clay valve can also be operated manually should there be a failure in the sensor. The pump station's sensor has a 4,030 gallons per minute (gpm) pumping rate and set to maintain 8 inches of freeboard when the ponds are full. Water from storage ponds is gravity fed to a concrete well located in the pump house. From there, water is conveyed to an irrigation pond at Hole 8 greens and eventually distributed to the irrigation system via valve boxes.

The irrigation system is a closed valve-in-head system utilizing polyvinyl chloride (PVC) irrigation pipe and Toro gear driven sprinkler heads. The amount of water applied by the irrigation system is controlled using a centralized irrigation control system in conjunction with historical evapotranspiration (ET) rates and daily ET data exported from an onsite weather station. This type of management allows the site to only apply the amount of water that the plant material requires for optimum growing conditions. Daily operations of the irrigation systems are scheduled to operate from one to four short cycles per night. By using multiple short cycles, the amount of standing water and runoff are minimized.

Potable water is located at the club house, maintenance facility, and course restroom facilities. These restroom facilities no longer have drinking fountains. The water lines servicing these facilities incorporate back flow prevention devices to assure cross contamination is prevented.

The Legacy's Reclaimed Water Management Plan (RWMP, formerly known as an Effluent Management Plan) was last reviewed and approved by the Division on September 30, 2020. The Technical, Compliance, and Enforcement (TCE) branch of the Bureau of Water Pollution Control (BWPC) requires RWMPs to be updated every ten (10) years with an updated RWMP due on September 30, 2030.

Outfall Summary

Outfall 001 – This land use application outfall is for the storage and distribution of reclaimed water from the City of Henderson's water reclamation facilities (Permit NS0080003) into storage ponds at Hole 17 greens area and later irrigation of the golf course.

Effluent Characterization

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from January 2021 to December 2025, was reviewed as part of this permit renewal process. The average daily maximum and 30 day average discharge flow rate for Outfall 001 was 0.95 Mgal/d and 0.50 Mgal/d respectively. The daily maximum discharge flow rate for Outfall 001 is limited to 2.50 Mgal/d. There were no reported exceedances for this limit.

The City of Henderson provides reclaimed water that meets Category B bacteriological quality, per NAC 445A.276, to the Legacy Golf Club; therefore, the reclaimed water shall meet, at a minimum, a daily maximum fecal coliform of 23 most probable number per 100 milliliter (MPN/100 mL) and a 30-day geometric mean of 2.2 MPN/100 mL. The following average values were calculated from data collected in 2021-2025 discharge monitoring reports (DMRs):

Outfall 001:

- Total suspended solids (TSS, Daily Maximum): Non detect
- TSS (30-day Average): Non detect
- BOD₅ (Daily Maximum): Non detect
- BOD₅ (30-day Average): Non detect
- Fecal Coliform (Daily Maximum): Non detect *
- Fecal Coliform (30-day Average): Non detect *
- Total residual Chlorine (Daily Maximum): 0.77 milligrams per Liter (mg/L)*
- Total residual Chlorine (30-day Average): 0.50 mg/L*

- Total Nitrogen (Daily Maximum): 13.0 mg/L*
- Total Nitrogen (30-day Average): 11.4 mg/L*
- pH, maximum: 7.1 Standard Unit (S.U.)*
- pH, minimum: 6.9 S.U.*

*No data reported between March 2022 through February 2025.

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 reuse water are fecal coliform and total nitrogen.

Receiving Water

The receiving water is groundwater of the State. Depth to potable groundwater is more than 300 feet below ground surface (bgs). Depth to static water level is approximately 74 feet bgs. No adverse effects to groundwater are expected as a result of reuse irrigation.

Compliance History

A compliance review was conducted for the same period selected for NetDMR data review (i.e., January 2021 to December 2025). The Permittee was not in compliance according to Section C.25. Reapplication "If the Permittee desires to continue to discharge, he shall reapply not later than 180 days before this permit expires on the application forms then in use." Permit renewal application was submitted way after the 180 days timeline. The previous permit was not technically administratively continued.

The TCE branch conducted a site inspection and compliance evaluation on February 7, 2022. The inspection concluded that the golf course is well-run, no objectionable odor observed, and the permit expiration condition was communicated to the Permittee. Legacy continued to operate with an expired permit until BWPC received a renewal application on June 5, 2026, which put the facility in an administratively continued period.

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
Flow rate	Daily Maximum	<= 2.5 Million Gallons per Day (Mgal/d) ^[1]		Prior to Reuse	001	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L) ^[2]	Prior to Reuse	001	Monthly	DISCRT
BOD, 5-day	30 Day Average		M&R Milligrams per Liter (mg/L) ^[2]	Prior to Reuse	001	Monthly	DISCRT
Coliform, fecal general ^[2]	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) ^[3]	Prior to Reuse	001	Monthly	DISCRT
Coliform, fecal general ^[2]	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) ^[3]	Prior to Reuse	001	Monthly	DISCRT
Nitrogen, total ^[2]	Daily Maximum		M&R Milligrams per Liter (mg/L) ^[2]	Prior to Reuse	001	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Monthly application rates in the Reclaimed Water Management Plan (RWMP) shall be used as a guide.
2. Sample results may be obtained from The City of Henderson's water reclamation facilities (Permit NS0080003) and reported by the Permittee.
3. CFU/100 mL or MPN/100 mL.

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
Nitrogen, total	Annual Mass Loading	M&R Pounds per Year (lb/yr) ^[1]		Prior to Reuse	001	Annual	CALCTD
Nitrogen, total ^[2]	Minimum Value		M&R Percent (%)	Prior to Reuse	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*.
Effluent N Applied = (Flow Rate [Mgal/d] x Effluent N Concentration [mg/L] x 8.34 x #days/mo.) ÷ # Acres
- Report the percentage of nitrogen uptake. Refer to Technical Sheets *WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan*.

Summary of Changes From Previous Permit

The latitude and longitude of Outfall 001 were revised to locate the reclaimed water storage pond at Hole 17 greens from 36.034594, -115.083099 to 36.04097350, -115.083201.

The Outfall Name was revised from "EFFLUENT REUSE" to "GOLF COURSE" for precise definition.

Revised: Schedule of Compliance Table

Item #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 *WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan*, and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.). Due Date: 9/30/2030.

The following revision, addition, and removal were done to maintain consistency with similar permitted facilities in Nevada.

Outfall 001 - To Be Reported Monthly:

- Removed: *Flow, total* with "Annual Total" base and "0.839550 million Gallons (Mgal)" quantity limit.
- Removed: *Solids, total suspended* with "Daily Maximum" base.
- Removed: *Solids, total suspended* with "30 Day Average" base.
- Removed: *Chlorine, total residual* with "Daily Maximum" base.
- Removed: *Chlorine, total residual* with "30 Day Average" base.
- Removed: *Nitrogen, total* with "30 Day Average" base.
- Removed: *pH, minimum* with "Monthly Minimum" base and ">= 6 Standard Units (SU)" concentration limit.
- Removed: *pH, maximum* with "Monthly Maximum" base and "<= 9 Standard Units (SU)" concentration limit.
- Revised: Monitoring location for all remaining parameters from "Effluent Gross" to "Prior to Reuse."
- Revised: Measurement Frequency from "Weekly" to "Monthly" for *BOD₅*, *Coliform*, *fecal general*, *pH*, and *Nitrogen, total*.
- Revised: *Coliform, fecal general* from "30 Day Average" to "30 Day Geometric Mean" base.
- Revised: Concentration unit for *Coliform, fecal general* from "Most Probable Number per 100ml T (MPN/100mL)" to "Colony Forming Units per 100ml T (CFU/100mL)" for both "Daily Maximum" and "30

Day Geometric Mean" bases.

- Added: Footnote 1, 2, and 3
1. Monthly application rates in the Reclaimed Water Management Plan (RWMP) shall be used as a guide.
 2. Sample results may be obtained from The City of Henderson's water reclamation facilities (Permit NS0080003) and reported by the Permittee.
 3. CFU/100 mL or MPN/100 mL.

Outfall 001 - To Be Reported Annually:

- Added: *Nitrogen, total* with "Annual Mass Loading" base, "M&R Pounds per Year (lb/yr)" quantity limit, "Prior to Reuse" monitoring location, "Annual" measurement frequency, and "CALCTD" sample type.
 - Added: *Nitrogen, total* with "Minimum Value" base, "M&R Percent (%)" concentration limit, "Prior to Reuse" monitoring location, "Annual" measurement frequency, and "CALCTD" sample type.
 - Added: Footnote 1 and 2
1. 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*.

$$\text{Effluent N Applied} = (\text{Flow Rate [Mgal/d]} \times \text{Effluent N Concentration [mg/L]} \times 8.34 \times \text{\#days/mo.}) \div \text{\# Acres}$$
 2. Report the percentage of nitrogen uptake. Refer to Technical Sheets *WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan*.

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

There are currently no specific water quality standards that have been formally adopted by the State for groundwater. However, the Division has the discretion to implement effluent limitations outside water quality standards per NAC 445A.243, which states, "In establishing an effluent limitation to carry out the policy of this State set forth in Nevada Revised Statutes (NRS) 445A.305, consideration must be given to, but is not limited by the following: ... (2) the need for standards that specify by chemical, physical, biological or other characteristics the extent to which pollution by various substances will not be tolerated."

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 permit continues the requirement to report total nitrogen 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 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 surface waters. As this permit is for discharges to groundwater, and not surface water, the antidegradation rule is not applicable.

Special Conditions

There are no special approvals or conditions.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Discharges From Future Outfalls/ Planned Facility Changes

The Permittee does not anticipate any discharges from any future outfalls or any other changes to the facility.

Corrective Action Sites

There are no Bureau of Corrective Actions remediation sites located within a one mile radius of this facility.

Wellhead Protection Program

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	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 <i>WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan</i> , and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.).	9/30/2030

DRAFT

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	1/28/2027
2	Annual DMRs	Annually	1/28/2027

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. **11/9/2026**, 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: **Florida Nasategay**

Date: **11/23/2026**

Title: **Staff I, Associate Engineer**