



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

**Permittee Name:** ANTHEM COUNTRY CLUB  
ONE CLUB SIDE DRIVE  
HENDERSON, NV - 89052

**Permit Number:** NS0098023

**Location:** ANTHEM COUNTRY CLUB GOLF COURSE, CLARK  
1 CLUB SIDE DRIVE, HENDERSON, NV - 89052  
LATITUDE: 35.965833, LONGITUDE: -115.083056  
TOWNSHIP: 23 S, RANGE: 62 E, SECTION: 26 - 28

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		HENDERSON	NV	89052	CLARK	35.965833	-115.083056	GROUNDWATER

**General:**

The Permittee, Anthem Country Club, has applied for the renewal of permit NS0098023 for the Anthem Country Club Golf Course, located in Clark County, Nevada. Anthem Country Club Golf Course is an 18-hole course. The golf course and common areas, approximately 148 acres, are irrigated year-round with partially denitrified treated effluent (reclaimed water) from the Kurt R. Segler Water Reclamation Facility (KRSWRF - Permit NS0080003). The reclaimed water is used to irrigate turf grass and landscaped areas. A separate potable water system provides water to irrigate the golf greens. The golf course's reclaimed water storage lakes provide necessary oxygen to prevent upsets, and/or stratification by maintaining a balance of dissolved oxygen in the water column through pond recirculation. Pond odors and algae growth are controlled using a sulphur burner.

Currently, the golf course uses approximately 0.8 million gallons per day (MGD) of its treated effluent allocation. Application of reclaimed water is via spray and drip irrigation in accordance with the Effluent Management Plan and as required by the permit.

**Discharge Characteristics:**

The KRSWRF supplies partially denitrified treated effluent water that meets Category B quality (NAC 445A.276).

**Receiving Water:**

The receiving water is groundwater of the State. Depth to groundwater in the area is between 325 feet and 375 feet below ground surface. No adverse effects are expected to occur as a result of this effluent reuse. Due to the depth to groundwater, monitoring wells are not required.

**Summary of Changes From Previous Permit:**

The requirement to report the annual application volume parameter has been removed.

The requirement to monitor and report the 30-day average for the irrigation rate has been changed. The permit now requires the daily maximum of less than or equal to 1.40 MGD for the irrigation rate to be reported.

The requirement to monitor and report total nitrogen annually has been added.

The requirement to report the monthly maximum and the 30-day average for the general fecal coliform has been changed. The permit now requires the daily maximum and the 30-day geometric mean to be reported for the general fecal coliform.

Due to the new naming conventions at the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC), the permit number has been changed from NEV98023 to NS0098023. This change does not reflect a change in the type of permit being issued.

The requirement to electronically submit Discharge Monitoring Reports (DMRs) within 1 year of permit issuance has been added. The BWPC Nevada NetDMR system is a web based site that allows for electronic submission of DMRs. Nevada NetDMR enables the permittee the ability to enter and electronically submit DMR data. By using Nevada NetDMR permittees will save time, see a reduction in paperwork burden, and data will automatically error-check and validate the information prior to submission. The system also allows for electronic submittal of attachments and supplemental documentation and provides instant confirmation of submission.

**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**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 1.40 Million Gallons per Day (Mgal/d)		Prior to Irrigation	001	Continuous	METER
Flow rate	Monthly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Coliform, fecal general <sup>[1]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Weekly	DISCRT
Coliform, fecal general <sup>[1]</sup>	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Reuse	001	Weekly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Sample results shall be obtained from NS0080003 and reported by Permittee.

**Re-use Discharge Limitations Table for Sample Location 001 (Land Application Site) To Be Reported Annually**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Annual Maximum	M&R Pounds per Year (lb/yr)		Prior to Reuse	001	Annual	CALCTD

**Rationale for Permit Requirements:**

The limitations and monitoring requirements are intended to provide for appropriate reuse of treated effluent to minimize the possibility of adverse impact to groundwaters of the State, and to alert those persons who might have contact with treated effluent to its presence at the facility.

**Fecal Coliform:**

2.2 CFU or MPN/100 mL - 30-Day Geometric Mean.

23 CFU or MPN/100 mL - Daily Maximum.

**Special Conditions:**

Substantial compliance with the current permit is a condition of permit renewal.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items
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**Flow:**

The discharge is limited to 1.40 MGD.

**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:**

Anthem Country Club Golf Course is not located within a Wellhead Protection Area or a Drinking Water Protection Area.

**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 for NDEP's review that has been wet-stamped by a Nevada Professional Engineer that follows the requirements listed in Guidance Document WTS-1B: General Design Criteria for an Effluent Management Plan. If there are minor revisions (e.g. number of acres irrigated or contact changes) the Permittee shall submit the changes in writing to NDEP. If there are no changes, the Permittee shall submit a letter stating there are no changes.	10/1/2016
2	All DMRs shall be submitted electronically through the Nevada NetDMR website: <a href="https://netdmr.ndep.nv.gov/netdmr/public/home.htm">https://netdmr.ndep.nv.gov/netdmr/public/home.htm</a> .	8/1/2017

**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 DMRs	Annually	1/28/2017
3	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. **7/27/2016**, 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: **Bonnie Hartley**

Date: **6/23/2016**

Title: **Environmental Scientist**