



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: CORE REVERE, LLC
2600 HAMPTON ROAD
HENDERSON, NV - 89052

Permit Number: NS0098019

Location: LEXINGTON AT REVERE GOLF CLUB, CLARK
2600 HAMPTON ROAD, HENDERSON, NV - 89052
LATITUDE: 35.954998, LONGITUDE: -115.102255
TOWNSHIP: 23S, RANGE: 61E, SECTION: 7, 12, 13, 18

| Outfall / Well Num | Outfall / Well Name | Location Type | Well Log Num | Outfall City | Outfall State | Outfall Zip | Outfall County | Latitude | Longitude | Receiving Water |
|--------------------|---------------------|-----------------------|--------------|--------------|---------------|-------------|----------------|-----------|-------------|-----------------|
| 001 | IRRIGATION | Land Application Site | | HENDERSON | NV | 89052 | CLARK | 35.954998 | -115.102255 | GROUNDWATER |

General:

This permit renewal allows for the continued discharge of tertiary-treated, disinfected reclaimed water supplied by the Southwest Water Reclamation Facility (SWRF) for irrigation of the golf course and common areas at the Lexington at Revere Golf Club (LRGC) in Henderson, Nevada. Approximately 76 acres of land are irrigated with an estimated 942 acre-feet per year of reclaimed water at a daily maximum discharge rate of 0.84 million gallons per day. The SWRF has authorized the LRGC to use up to 942 acre-feet of reclaimed water per year.

Discharge Characteristics:

The SWRF supplies tertiary-treated, disinfected reclaimed water that meets Category B quality in accordance with NAC 445A.276.

Receiving Water:

The receiving water is groundwater of the State underlying the reuse site. The depth to groundwater in the area ranges from 325 feet to 375 feet below ground surface.

Summary of Changes From Previous Permit:

The flow rate limit has been changed from 1,085.5 af/yr to 0.84 MGD. 0.84 MGD is equal to 942 af/yr, the quantity of reclaimed water to be used indicated in the permit renewal application.

For consistency with similar permits, the requirement to monitor and report total nitrogen has been added to the permit.

Due to the new naming conventions at the Nevada Division of Environmental Protection (NDEP), Bureau of Water Pollution Control, the permit number has been changed from NEV98019 to NS0098019. This change does not reflect a change in the type of permit being issued.

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 (Irrigation) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|--|-----------------------|--|--|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | <= 0.84 Million Gallons per Day (Mgal/d) | | 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 |
| Coliform, fecal, colony forming units ^[1] | Daily Maximum | | <= 23 Colony Forming Units per 100ml T (CFU/100mL) ^[2] | Prior to Reuse | 001 | Weekly | DISCRT |
| Coliform, fecal, colony forming units ^[1] | 30 Day Average | | <= 2.2 Colony Forming Units per 100ml T (CFU/100mL) ^[2] | Prior to Reuse | 001 | Weekly | DISCRT |
| Nitrogen, total ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Prior to Reuse | 001 | Monthly | DISCRT |
| Nitrogen, total ^[1] | 30 Day Average | | M&R Milligrams per Liter (mg/L) | Prior to Reuse | 001 | Monthly | DISCRT |

Notes (Re-use Discharge Limitations Table):

1. Sample results to be reported by the Permittee may be obtained from the SWRF (NS0080003).
2. In accordance with NAC 445A.276, fecal coliform may be reported in c.f.u. or mpn/100mL.

Rationale for Permit Requirements:

Flow rate is monitored to prevent ponding and runoff.

Fecal coliform is monitored to ensure that the concentration of fecal coliform in the treated effluent does not exceed the allowable concentration for Reuse Category B in accordance with NAC 445A.276.

Total nitrogen is monitored to prevent leaching and consequential degradation of the underlying groundwater.

Groundwater monitoring is not required by this permit because the groundwater at the reuse site is more than 300 feet below ground surface.

Fecal Coliform:

Daily Maximum ≤ 23 c.f.u. or mpn/100mL

30-Day Average \leq 2.2 c.f.u. or mpn/100mL

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:

Daily Maximum Flow Rate \leq 0.84 MGD

Corrective Action Sites:

There are no Bureau of Corrective Actions remediation sites located within a one-mile radius of the center of the LRGC.

Wellhead Protection Program:

The LRGC is not located within a Drinking Water Protection Area or a Wellhead Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

| Item # | Description | Due Date |
|--------|---|-----------|
| 1 | The Permittee shall submit two copies of an updated Effluent Management Plan (EMP) to the Division. The EMP shall be prepared and wet-stamped by a Nevada Registered Professional Engineer in accordance with guidance document <i>WTS-1B: General Criteria for Preparing an Effluent Management Plan</i> . If the Permittee determines that no updates to the EMP are necessary, the Permittee shall submit, in lieu of an updated EMP, a letter to the Division stating that no changes to the existing EMP have been made. | 4/28/2016 |

Deliverable Schedule:

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

| Item # | Description | Interval | First Scheduled Due Date |
|--------|----------------|-----------|--------------------------|
| 1 | Quarterly DMRs | Quarterly | 4/28/2016 |
| 2 | 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. **11/15/2015**, 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: **Alan Pineda**

Date: **10/6/2015**

Title: **Staff I Associate Engineer**