



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

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NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(Pursuant to NAC 445A.236)

<u>Permittee Name:</u>	Churchill County Engineering & Capital Projects 155 North Taylor Street, Suite 190 Fallon, NV 89406
<u>Permit Number:</u>	NEV2006511
<u>Location:</u>	Churchill County Wastewater Treatment Facility 2655 Country Club Drive Fallon, NV 89406 Latitude: 39° 28' 58" N, Longitude: 118° 48' 45" W T19N, R28E, Section 26 MDB&M
<u>Discharge Outfalls:</u>	001: Discharge line to the rapid infiltration basins

General: Churchill County has applied for renewal of groundwater discharge permit NEV2006511. The Permittee owns the Churchill County Wastewater Treatment Facility (CCWTF), which was taken out of service and decommissioned in November of 2008. Influent flow to this facility has been permanently diverted to the Moody Lane Water Reclamation Facility (NEV2007500).

CCWTF is an activated sludge package treatment plant with a design 30-day average treatment capacity of 0.160 million gallons per day (MGD). The facility includes a mechanical auger screen, an equalization basin, an anoxic chamber, an aeration basin, a post anoxic basin, a clarifier, a chlorine contact tank, and a filter press with odor control. Under the previous permit, CCWTF was allowed to discharge secondary-treated, denitrified, and disinfected effluent to an irrigation holding pond located at the Fallon Golf Course (NEV2007505), and to two (2) rapid infiltration basins (RIBs) located approximately 1,200 feet northwest of the treatment facility. The Fallon Golf Course re-use permit was cancelled in August of 2009. Any future discharge from this facility will be to the two RIBs.

Churchill County would like to maintain an active permit for this facility in the event that future needs require the plant to be brought back into service. Alternatively, the package plant may be used for short term sewage detention prior to treatment at the Moody Lane Regional Water Reclamation Facility. Under this scenario, there would be no discharge to the RIBs at this facility.

Flow: The Permittee has requested a 30-day average and daily maximum flow rate of 0.100 million gallons per day (MGD).

Receiving Water Characteristics: If the treatment plant is brought back into service, discharge will be to groundwater of the State via percolation in the two RIBs.

Site Groundwater: Depth to groundwater in the area is reported to be between 14 and 16 feet below ground surface. Groundwater directional flow at the treatment plant is reported to be to the east. Groundwater monitoring is not required for the discharge of denitrified effluent.

Well Head and Drinking Water Supply Protection: The treatment plant and RIBs are not located within a Drinking Water Protection Area. The facilities are not located within a Wellhead Protection Area established for any active well sources.

Corrective Action Sites: There are no Bureau of Corrective Actions remediation sites within a one-mile radius of the facility.

Proposed Effluent Limitations: Discharge to the infiltration basins shall be limited and monitored according to the following table.

- Sampling locations:
- i. Treatment plant headworks
 - ii. Effluent wet well

Table 1: General Discharge Limitations

Parameter		Discharge Limitations		Monitoring Requirements		
		30 - Day Average	Daily Maximum	Sampling Locations	Measurement Frequency	Sample Type
Influent	Flow (MGD)	0.100	0.100	i	Continuous	Measurement
	BOD ₅ (mg/L)	Monitor & Report		i	Monthly	Discrete
	TSS (mg/L)	Monitor & Report		i	Monthly	Discrete
Effluent	BOD ₅ (mg/L)	30		ii	Monthly	Composite
	TSS (mg/L)	30		ii	Monthly	Composite
	Total Nitrogen (mg/L)	10		ii	Monthly	Composite
	pH (S.U.)	6.0 - 9.0		ii	Monthly	Composite

MGD: Million Gallons per Day

BOD₅: 5-day Biochemical Oxygen Demand

mg/L: Milligrams per Liter

TSS: Total Suspended Solids

S.U.: Standard Units

Rationale for Permit Requirements: Monitoring is required to ensure that the treatment plant capacity is not exceeded, to assess the level of treatment being provided, and to monitor groundwater quality.

Schedule of Compliance: The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications that the Administrator may make in approving the schedule of compliance:

- a. The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- b. By **MMM DD, 2012**, (60 days) the Permittee shall submit two (2) copies of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall be compiled in accordance with appropriate sections of WTS-2, *Minimum Information Required for an Operation and Maintenance Manual for a Wastewater Treatment Plant*.

If no updates or revisions are required, the Permittee shall submit a letter by the above due date stating that there have been no changes to the previously approved O&M Manual.

Before implementing changes to an approved O&M Manual, the Permittee shall submit proposed changes to the Division for review and approval.

All schedule of compliance submittals and evidence of compliance documents shall be submitted to the Bureau of Water Pollution Control at the address listed below:

**Division of Environmental Protection
Bureau of Water Pollution Control
901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701**

Proposed Determination: The Division has made the tentative determination to renew the proposed permit for a period of five (5) years.

Procedures for Public Comment: The Notice of the Division's intent to renew a groundwater discharge permit authorizing this facility to discharge secondary treated effluent to groundwater of the State of Nevada for a five-year period, subject to the conditions contained within the permit, is being sent to the **Reno Gazette-Journal** and **Lahontan Valley News** 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 for a period of thirty (30) days following the date of public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **June 8, 2012, by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator 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 determines 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.

Prepared by: Arthur Marr, P.E.

Date: April, 2012