

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445.42525)

Permittee Name: McGill-Ruth Consolidated Sewer and Water General Improvement District
29 Fourth Street
McGill, NV 89318
White Pine County

Permit Number: NEV87046

General:

The McGill-Ruth Consolidated Sewer and Water General Improvement District operates a wastewater treatment facility (WWTF) at McGill, Nevada. The WWTF serves approximately 1100 residents of the town of McGill, located 12 miles northeast of Ely on US Highway 93. The WWTF consists of an aerated pond, approximately 460 feet long and 325 feet wide, partitioned into a primary and a secondary cell. The treated effluent from the secondary cell is delivered to six Rapid Infiltration Basins (RIBs) for discharge to groundwaters of the State by percolation.

Location:

The McGill WWTF is located approximately 1.5 miles south of the town of McGill, 0.5 miles east of U.S. Highway 93. The RIBs are located at the following coordinates:

Latitude: 39° 22' 30" N.
Longitude: 114° 47' 0" W.
Township 17 N, Range 63 E, Section 29

Receiving Water Characteristics:

Groundwater is encountered at 15 feet below surface immediately down gradient from the RIBs. Groundwater meets drinking water standards.

Effluent characteristics:

The discharge from the wastewater treatment plant is secondary treated effluent. The effluent is pumped to the RIB's, which distribute the effluent into the groundwater of the State. The treated effluent meets the state and federal standards for secondary treatment.

Flow: 0.180 MGD monthly average flow
0.250 MGD maximum flow

Procedures for Public Comment:

The notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit is being sent to the **Ely Daily Times** 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 30 days following the date of the public notice. In order to be considered, written comments must be hand-delivered, sent via mail (postmarked), emailed or faxed no later than 5:00 P.M. on **June 21, 2004**. 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 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 445.150.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445.274.

Proposed Determination:

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

Proposed Effluent Limitations, Schedule of Compliance and Special Conditions

Discharges from the WWTF to groundwater of the State will be limited as follows:

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	Quarterly Average	Daily Maximum	Sample Locations	Measurement Frequency	Sample Type
Flow (MGD)	0.180	0.250	Influent	Weekly	Meter
CBOD ₅ (mg/l)	Monitor and Report		Influent	Monthly	Composite
CBOD ₅ (mg/l)	30	45	Effluent Prior to RIBs	Monthly	Composite

Fact Sheet
McGill Waste Water Treatment Facility
McGill-Ruth Consolidated Sewer and Water
General Improvement District
Permit NEV87046
Page 3 of 4

TSS (mg/l)	Monitor and Report	90	Effluent Prior to RIBs	Monthly	Discrete
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Monitor wells are installed immediately upgradient from the WWTF. Well MW-1 is located approximately 100 feet upgradient of the RIB array. Well MW-2 is located approximately 675 feet south west of MW-1, and is approximately 100 feet upgradient of the RIB array. Well MW-3 is approximately 675 feet southwest of MW-2, and is approximately 100 feet upgradient of the RIB array, aligned with the corner of the last basin in the array. The three wells will be monitored per the permit as follows:

PARAMETER	GROUNDWATER LIMITATIONS	MONITORING REQUIREMENTS	
		Frequency	Sample Type
Depth to Groundwater (ft)	Monitor and Report	Quarterly	Measurement
Groundwater Elevation (ft AMSL)	Monitor and Report	Quarterly	Calculate
Nitrate as N (mg/l)	10.0 mg/l	Quarterly	Discrete
Total Nitrogen as N (mg/l)	Monitor and Report	Quarterly	Discrete
Chlorides (mg/l)	Monitor and Report	Quarterly	Discrete
TDS (mg/l)	Monitor and Report	Quarterly	Discrete

Rationale for Permit Requirements:

Monitoring is required to ensure that groundwater of the State of Nevada are not degraded. Monitoring is also required to assess the level of treatment being provided, and to determine compliance with discharge volume limitations.

Prepared by: Janine O. Hartley
 Staff Engineer II
 Bureau of Water Pollution Control
 May, 2004