

DRAFT

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Nevada Department of Corrections
P.O. Box 7011
Carson City, NV 89702

Permit Number: NEV93016

Location: Wells Conservation Camp, Elko County, Nevada
Approximately 14 miles East of Wells North of I-80 at the Independence
Interchange
HC 67-50
Wells, Elko County, Nevada 89835

Latitude: 41° 05' 31"N, Longitude: 114° 42' 39"W
Township 37N, Range 64E, Section 14

Design Flow: 0.025 MGD

General: The Nevada Department of Corrections (NDOC) (Permittee) operates the Wells Conservation Camp (WCC), which is located approximately 14 miles east of the City of Wells, north of I-80 in Elko County, Nevada. WCC is a minimum-security men's conservation camp with a maximum inmate population of 150 and approximately ten (10) correctional staff. A Nevada Division of Forestry (NDF) satellite office is also located at this camp and employs approximately 10-12 additional staff. The facility routinely operates at its maximum inmate population.

The WCC is serviced by a septic system which was constructed in 1993 to replace a previously failed system. The septic system consists of a 25,000 gallon battery septic tank (Jensen Precast Model # 5XJP5000) which is connected to a dosing tank designed to provide uniform flow to the entire leachfield. A grease interceptor receives flow from the kitchen prior to disposal to the septic tank. Currently there is no means to measure flow into the system.

The leachfield was designed to a percolation rate of 15 minutes per inch which resulted in 24 lines @ 110 feet with 3.7 feet of sidewall. Piezometers are installed bordering the leachfields to monitor effluent depth in the leach lines.

The camp's current wastewater treatment and disposal facilities must be documented in a revised Operations and Maintenance (O&M) Manual, which was to have been submitted to the Nevada Division of Environmental Protection (Division) by July 30, 2000. The Division's Compliance Tracking Database indicates that this manual has not been submitted to the Division. Therefore, within 30 days of the permit renewal issuance date, the Permittee shall submit a current copy of the camp's wastewater O&M Manual to the Division for review and approval (see Schedule of Compliance Requirements below).

Receiving Water Characteristics: The receiving water for septic tank effluent is groundwater via subsurface percolation in the leachfields. Depth to groundwater in the vicinity of the leach fields has been determined to be approximately 150 feet. A monitoring well has been drilled at the camp approximately 50 feet southwest of the leachfield to determine the true depth to groundwater and to collect water quality samples. The permit

application indicates a depth to groundwater of 150 feet at this site. Monitoring reports indicate that the depth to groundwater at the monitoring well varies between 147 feet and 159 feet. The camp's potable water is supplied by a domestic water well which is located approximately 280 feet north of the camp's housing complex.

Proposed Effluent Limitations and Special Conditions:

During the period beginning on the effective date of this permit, and lasting until the permit expires, the Permittee is authorized to discharge from the septic tank to the groundwaters of the State via leachfields at the conservation camp.

Samples taken in compliance with the monitoring requirements specified in Table 1 below, shall be taken at the following location(s):

Effluent samples prior to discharge to the leachfields.

The discharge shall be limited and monitored by the Permittee as specified in Table 1 below:

Table 1: Plant Discharge Limitations

PARAMETER	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
		Measurement Frequency	Sample Type
	Quarterly Average		
Wastewater Flow (Influent), MGD	0.025	Continuous	Domestic Water Meter
CBOD ₅ (Effluent), mg/L	Monitor & Report	April and October	Discrete
TSS (Effluent), mg/L	Monitor & Report	April and October	Discrete
Inmate Population, # of persons	Monitor & Report	Monthly	Population Count
Sludge & Scum Depth, feet or inches	Monitor & Report ¹	April and October	Discrete
Liquid Level Depth, feet or inches	Monitor & Report ²	April and October	Discrete
Grease Depth, feet or inches (Grease Interceptor)	Monitor & Report ²	April and October	Discrete
Depth of Effluent, feet or inches (Piezometers #1 through #12)	Monitor & Record in On-site Operations Logbook	Quarterly	Discrete
Chlorides, mg/L	Monitor & Report ³	Quarterly	Discrete
Total Dissolved Solids, mg/L	Monitor & Report ³	Quarterly	Discrete
Total Nitrogen as N, mg/L	Monitor & Report ³	Quarterly	Discrete
Nitrates as N, mg/L	Monitor & Report ³	Quarterly	Discrete
Groundwater Elevation	Monitor & Report ³	Quarterly	Discrete
Static Water Level	Monitor & Report ³	Quarterly	Discrete

- 1: At inlet end of septic tank.
- 2: Near the outlet end of septic tank.
- 3: At monitoring well.

Schedule of Compliance: The Permittee shall submit the following item to the Division for review and approval (**all compliance deliverables shall be addressed to the attention of the Compliance Coordinator, Bureau of Water Pollution Control**):

- Within thirty (30) days of the permit renewal issuance date, the Permittee shall submit a copy of the facility's current Operations and Maintenance (O&M) Manual, which is to be prepared in accordance with the Division's WTS-2 guidance document: *Minimum Information Required for an Operations and Maintenance Manual*.

Procedures for Public Comment: The Notice of the Division's intent to issue (renew) a permit authorizing the operation of this septic treatment and disposal system, subject to the conditions contained within the permit is being sent to the **Elko Daily Free Press** 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 publication of the 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 **April 16, 2005 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.

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

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Bureau of Water Pollution Control

Revised: March 9, 2005

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