



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: NEVADA DEPARTMENT OF CORRECTIONS
3955 W. RUSSELL ROAD
LAS VEGAS, NV - 89118

Permit Number: NS0090009

Location: TONOPAH CONSERVATION CAMP, NYE
7 MILES NORTH OF SR 376 & US HIGHWAY 6 INTERSECTION, TONOPAH,
NV - 89049
LATITUDE: 38.168611, LONGITUDE: -117.1075
TOWNSHIP: 4N, RANGE: 43E, SECTION: 25

| Outfall / Well Num | Outfall / Well Name | Location Type | Well Log Num | Outfall City | Outfall State | Outfall Zip | Outfall County | Latitude | Longitude | Receiving Water |
|--------------------|---------------------|---------------|--------------|--------------|---------------|-------------|----------------|-----------|-----------|-----------------|
| 001 | POPULATION SERVED | Sum | | TONOPAH | NV | 89049 | NYE | 38.168611 | -117.1075 | NONE |

General:

The Nevada Department of Corrections owns and operates the Tonopah Conservation Camp (TCC), a minimum-security men's prison camp located approximately 6.9 miles north of the junction of US-6 and SR-376 in Big Smoky Valley, Nevada. TCC was opened in January of 1991 and is designed to house 152 inmates.

Domestic wastewater generated at the facility is treated in a septic system that includes a 2,250-gallon grease interceptor for kitchen waste, a 250-gallon grease interceptor located at the garbage can wash pad, a septage dump station, two 10,000-gallon septic tanks operated in series, a manually operated dosing tank, and one leachfield containing 3,600 linear feet of absorption trenches. The leachfield is divided into four equal sections.

Primary treatment of the domestic wastewater generated at this facility occurs in the two 10,000-gallon septic tanks. Treated effluent is discharged to one of four available leachfield sections via the manually operated dosing tank. The leachfield sections are rotated on a monthly basis allowing three months of rest following one month of dosing. A series of leachfield piezometers are monitored monthly to ensure effluent mounding does not occur.

Discharge Characteristics:

This permit will authorize the discharge of septic system treated domestic wastewater. The discharge of any toxic, hazardous, industrial or laboratory waste material to any septic system is strictly prohibited.

Receiving Water:

The receiving water for septic tank effluent is groundwater of the State via subsurface percolation in the leachfields. Depth to groundwater is reported by the Permittee to be 300+ feet.

Summary of Changes From Previous Permit:

In order to maintain consistency with current NDEP policy, and the monitoring requirements of similar treatment facilities using septic systems, the following permit changes have been made:

1. The requirement to monitor sewage influent for BOD and total suspended solids (TSS) has been removed from this permit.
2. The requirement to monitor treated effluent for BOD, TSS and total nitrogen has been removed from this permit.
3. The requirement to estimate the daily maximum flow rate has been removed from this permit.
3. The requirement to submit an Annual Large-Capacity Septic System Evaluation Report has been added to this permit.
4. Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV90009 to NS0090009. This change does not reflect a change in the type of permit being issued.

Proposed Effluent Limitations:

In addition to the Annual Large-Capacity Septic System Evaluation Report, the Division proposes the following permit limitations and monitoring requirements:

NS OTHER - Discharge Limitations Table for Sample Location 002 (Sum) To Be Reported Quarterly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------|-----------------------|----------------------------------|---------------|-----------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Population served | Quarterly Total | M&R serv Population Served (pop) | | See Footnote ^[1] | 002 | Quarterly | SUMATN |

Notes (NS OTHER - Discharge Limitations Table):

1. Conservation camp population (inmates and staff).

Rationale for Permit Requirements:

Monitoring is required to ensure proper septic system operation and to maintain the working capacity of the septic system.

Special Conditions:

SA – Special Approvals / Conditions Table

| Item # | Description |
|--------|---|
| 1 | Septic tank treatment and disposal systems shall be used only for the treatment of domestic sewage. Domestic sewage is defined in NAC 445A.9532 and means any liquid and water-borne waste that is derived from the ordinary living process and is of such a character as to permit its satisfactory disposal into a public sewer or an on-site sewage disposal system without special treatment. The term does not include industrial waste. The discharge of toxic, hazardous, industrial, or laboratory waste material to any permitted OSDS is strictly prohibited. |
| 2 | The Permittee shall conduct regular and routine inspections and maintenance in accordance with the Division-approved O&M Manual. |
| 3 | The Permittee shall submit an Annual Large-Capacity Septic System Evaluation Report to the Division on or before January 28th of each year. The depth of scum, sludge, and total liquid in all septic tanks shall be measured annually and reported in the annual report. Measurements may be made at any time during the 12-month reporting period. ^[1] |
| 4 | The septic tank(s) shall be pumped by a licensed septage hauler whenever the combined depth of scum and sludge equals or exceeds 50% of the total liquid depth, or more frequently as necessary to maintain efficient solids removal. The date, tank number, volume of septage removed, and the name of the septage hauler shall be maintained on-site in accordance with Part A.11. of the permit. Sludge disposal shall be in accordance with applicable regulations. ^[2] |
| 5 | The rated treatment capacity of each septic tank shall not be exceeded. |
| 6 | Surfacing of any substance from a septic system is strictly prohibited. |
| 7 | All leachfields shall be posted. Vehicular traffic and the movement of heavy equipment over the leachfields shall be prevented. |
| 8 | The Permittee shall monitor the depth of effluent in each of the leachfield piezometers on a monthly basis. These results shall be recorded and maintained in the on-site operations logbook required by section C.2.3. of the permit. |
| 9 | The Permittee shall rotate the use of each leachfield in order to prevent effluent mounding. |
| 10 | The grease traps and leachfield dosing tank shall be inspected and cleaned twice each year. The date and findings of these inspections shall be recorded in the on-site operations logbook. |

Notes (Special Approvals / Conditions Table):

1. A copy of the Annual Large-Capacity Septic System Evaluation Report form is included with this permit.
2. In lieu of this requirement, the Permittee may submit documentation on or before January 28th of each year showing that the septic tank(s) have been pumped within the previous 12 months.

Flow:

The combined capacity of the two septic tanks is 20,000 gallons.

Corrective Action Sites:

There are no NDEP Bureau of Corrective Actions remediation sites within a one mile radius of this facility.

Wellhead Protection Program:

This facility is not located within a Drinking Water Protection Area or a Wellhead Protection Area established for any well sources.

Schedule of Compliance:

SOC – Schedule of Compliance Table

| Item # | Description | Due Date |
|--------|---|-----------|
| 1 | The Permittee shall submit two (2) copies of an updated Operation and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall be prepared by a Nevada Registered Professional Engineer or other Division-approved qualified person. If no updates or revisions are required, the Permittee shall submit a letter by the due date stating that there have been no changes to the previously approved O&M Manual. ^[1] | 5/30/2014 |

Notes (Schedule of Compliance Table):

1. O&M Manuals prepared by Nevada Registered Professional Engineers must be signed and stamped in accordance with NAC 625.610.

Deliverable Schedule:

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

| Item # | Description | Interval | First Scheduled Due Date |
|--------|---|-----------|--------------------------|
| 1 | Discharge Monitoring Reports | Quarterly | 4/28/2014 |
| 2 | Annual Large-Capacity Septic System Evaluation Report (Annual Report) | Annually | 1/28/2015 |

Procedures for Public Comment:

The Notice of the Division's intent to reissue 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 **Tonopah Times-Bonanza & Goldfield News and 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. **2/28/2014**, 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.650.

Proposed Determination:

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Arthur B. Marr III**

Date: **1/23/2014**

Title: **P.E.**