



STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: NEVADA SITE SERVICES
PO BOX 1310
PAHRUMP, NV - 89041

Permit Number: NS2000508

Location: NEVADA SITE SERVICES, NYE
1470 EAST MESQUITE AVENUE, PAHRUMP, NV - 89060
LATITUDE: 36.24995350, LONGITUDE: -115.988399
TOWNSHIP: T19S, RANGE: R53E, SECTION: S35

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	DIGESTED SEWAGE SLUDGE, DOMESTIC SEPTAGE & GREASE TRAP MATERIAL	Internal Outfall		PAHRUMP	NV	89060	NYE	36.24995350	-115.988399	NONE
002	EFFLUENT TO WWTP	External Outfall		PAHRUMP	NV	89060	NYE	36.24995350	-115.988399	GROUNDWATER
003	DEWATERED MATERIAL TO LANDFILL	External Outfall		PAHRUMP	NV	89060	NYE	36.24995350	-115.988399	GROUNDWATER

General:

The Permittee, Nevada Site Services (NSS), has applied for the renewal of Permit NS2000508. The facility operates a digested sewage sludge, domestic septage, and grease trap material dewatering system at 1470 E. Mesquite Avenue, Pahrump, Nye County, Nevada. Effluent from the dewatering process, a maximum of 30,000 gallons per day, will be discharged to Hafen Ranch Wastewater Reclamation Facility (HRWWRF) or other permitted wastewater treatment plants (WWTP).

The dewatering system consists of one 8,000-gallon covered receiving container, a polymer feed system, one 20,000-gallon aerated storage tank, two steel dewatering containers, two 6,000-gallon equalization tanks, and an effluent flow meter. Pumper trucks discharge digested sewage sludge, domestic septage, and grease trap material to the receiving container for removal of grit and inert screenings. Polymer is fed into the aerated storage tank to promote flocculation of solids. The flocculated mixture is pumped to one of the dewatering boxes for filtering with the solid portion retained. The filtrate is then transported to HRWWRF or other permitted WWTP. The filter/dewatered solids, including grit and screenings, are transported to the Nye County Pahrump Valley Municipal Landfill (NCPVML) or other permitted landfills for disposal. This permit does not regulate the quality of material placed in landfills.

Discharge Characteristics:

The discharge from NSS consists of dewatered solids (sludge) and filtrate. During the monitoring period from January 2012 to December 2012, 464 dry tons were transported to NCPVML for disposal per NSS. Below is a summary of filtrate discharge characteristics reported by NSS for the monitoring period from January 2012 to September 2013:

Daily maximum flow (gpd) - 30-day average range was between 135 and 1,970;
Nitrogen, total (mg/L) - monthly average range was between 31 and 200;
Total suspended solids (mg/L) - monthly average range was between <10 and 281;

pH (S.U.) - monthly average range was between 7.1 and 7.7;
CBOD (mg/L) - 30-day average range was between 135 and 1,970.

Receiving Water:

The receiving waters are groundwaters of the State via discharge to HRWWRF or other permitted WWTP.

Summary of Changes From Previous Permit:

Due to a new permit naming convention at NDEP, Bureau of Water Pollution Control, the permit identification has been changed from NEV2000508 to NS2000508. This change does not reflect a change in the type of permit being issued. NEV and NS permits are for groundwater discharges to the State of Nevada. These are not to be confused with "NV" permits which are reserved for NPDES Permitting.

In order to maintain consistency with current NDEP policy and requirements of similar facilities, the following changes to this permit have been made from the previous permit:

1. Discharge flow rate changed from quarterly average to 30-day average;
2. CBOD (BOD, carbonaceous) discharge limits changed from 500 mg/L (quarterly) and 1,000 mg/L (daily maximum) to M&R (monitor and report); and
3. pH changed from $6.0 \leq \text{pH} \leq 9.0$ to M&R.

Proposed Effluent Limitations:

The Division proposes the following effluent limitations as specified in the following tables:

NS OTHER - Discharge Limitations Table for Sample Location 001 (Internal Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow, total [1]	Monthly Total	M&R Gallons (gal)		Intake[1]	001	Once Per Batch	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

- 1. Received digested sewage sludge, domestic septage, and grease trap material.

NS OTHER - Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 0.03 Million Gallons per Day (Mgal/d)		Effluent Gross ^[1]	002 ^[1]	Once Per Batch ^[1]	CALCTD ^[1]
Flow rate	30 Day Average	<= 0.03 Million Gallons per Day (Mgal/d)		Effluent Gross ^[1]	002 ^[1]	Once Per Batch ^[1]	CALCTD ^[1]
Nitrogen, total	Value		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	DISCRT
Solids, total suspended	Value		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	DISCRT
pH	Value		M&R Standard Units (SU)	Effluent Gross	002	Monthly	DISCRT
BOD, carbonaceous, 05 day, 20 C	Value		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Monthly	DISCRT

Notes (NS OTHER - Discharge Limitations Table):

1. NSS shall provide documentation with DMRs that detail: facility name, physical address, phone number, contact name, and volume of effluent delivered to WWTP.

NS OTHER - Discharge Limitations Table for Sample Location 003 (External Outfall) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Sludge weight, wet	Monthly Total	M&R Wet Tons (wet ton)		Sludge ^[1]	003	Once Per Batch	METER
Solids, sludge, tot, dry weight ^[2]	Monthly Total	M&R Dry Tons (dry ton) ^[3]		Sludge ^[1]	003	Once Per Batch	CALCTD ^[4]

Notes (NS OTHER - Discharge Limitations Table):

1. NSS shall provide documentation with DMRs that detail: facility name, physical address, phone number, contact name, and weight of dewatered solids delivered to landfill.
2. Dry Weight Basis.
3. Sludge weight, dry.
4. Calculated by percentage of moisture content or other methods approved by Division.

NS OTHER - Discharge Limitations Table for Sample Location 003 (External Outfall) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Annual amt sludge disposed in landfill	Annual Total	M&R Metric Tons per Year (t/yr) [1]		Sludge	003	Annual	CALCTD [2]

Notes (NS OTHER - Discharge Limitations Table):

1. Report in dry weight.
2. The summation of monthly totals reported in quarterly DMRs.

Rationale for Permit Requirements:

Permit requirements are to protect groundwaters of the State. The following changes to this permit have been made from the previous permit:

1. Discharge flow rate changed from quarterly average to 30-day average;
2. CBOD (BOD, carbonaceous) discharge limits changed from 500 mg/L (quarterly) and 1,000 mg/L (daily maximum) to M&R (monitor and report); and
3. pH changed from 6.0 ≤ pH ≤ 9.0 to M&R.

Discharge limits are M&R in this permit renewal, because concentrations of potential pollutants are already managed and monitored by permitted WWTP and landfills that receive effluent and dewatered solids, respectively.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	Disregard requirements in Section C.13.
2	NSS shall provide documentation with quarterly DMRs that detail: facility name, physical address, phone number, contact name, and volume of effluent delivered to WWTP.
3	NSS shall provide documentation with quarterly DMRs that detail: facility name, physical address, phone number, contact name, and weight of dewatered solids delivered to landfill.
4	Disregard requirements in Section B.BS.7.

Flow:

The Permittee has requested daily maximum and 30-day average flows of 30,000 gpd (gallons per day) or 0.030 MGD (million gallons per day). This is the design treatment capacity of the dewatering system. The highest daily maximum operational flow for 2012 through the 3rd quarter of 2013 was reported as 8,000 gpd.

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 copies of an updated O&M (Operation and Maintenance) 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]	7/1/2014

Notes (Schedule of Compliance Table):

- O&M Manuals prepared by a Nevada Registered Professional Engineer 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	Quarterly Discharge Monitoring Reports	Quarterly	7/28/2014
2	Annual Reports	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 **Las Vegas Review Journal, Pahrump Valley 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 until 5:00 P.M. **4/18/2014** , 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: **Kenneth Greene**

Date: **3/12/2014**

Title: **P.E.**