



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: EASY ROOTER PLUMBING
P.O. BOX 4246
SPARKS, NV - 89435

Permit Number: NS2015501

Location: EASY ROOTER PLUMBING, STOREY
125 LONDON DR., MCCARRAN, NV - 89434
LATITUDE: 39.561457, LONGITUDE: -119.503171
TOWNSHIP: T20N, RANGE: R22E, SECTION: S34

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	INFLUENT	Internal Outfall		MCCARRAN	NV	89434	STOREY	39.561433	-119.503560	GROUNDWATER
002	SLUDGE PAD	External Outfall		MCCARRAN	NV	89434	STOREY	39.016667	-119.149467	GROUNDWATER
MW1	MONITORING WELL	Monitoring Well		MCCARRAN	NV	89434	STOREY	39.561667	-119.502917	GROUNDWATER

General:

The Permittee, Easy Rooter Plumbing, has applied for a discharge permit to dewater sludge and grease trap material. The permitted facility is located at 125 London Drive, McCarran, Storey County, NV. The facility receives the sludge and grease trap material from vector trucks. The trucks discharge to a 1-inch grit screen box. The waste material then flows to two 22,000-gallon holding tanks where it is mixed to achieve uniformity. From the holding tanks the waste flows to a polymer mix tank for flocculation. After flocculation, the waste material is put into screen boxes where solids are separated from liquids. The liquid effluent is stored in two 5,500-gallon holding tanks. From there, the effluent is either sent to a permitted land application site in Yerington, NV or used by Easy Rooter's hydro-jetter trucks for flushing sewer lines. The solids are removed from the screen boxes and put onto a 4-inch thick asphalt pad for drying. Once the solids on the pad have dried, they are hauled to a landfill for disposal. The requirements of this permit have been put in place to monitor potential environmental impacts that this facility may have on groundwater.

Discharge Characteristics:

Effluent that is reused for land application is done so by a different permittee. When it is delivered to the reuse facility, it is mixed with other effluent before reuse. The quality of that effluent is regulated by a separate discharge permit (permit NS2002516). The solid material placed on the asphalt pad to dry has the potential to impact groundwater. Contaminants of concern include total dissolved solids, chlorides, total nitrogen, and oil and grease. Groundwater quality sampling has been put in place to monitor potential effects to groundwater.

Receiving Water:

The receiving water is groundwater of the State. The depth to groundwater is reported to be approximately 9 feet below ground surface and flows north. This permit requires down-gradient groundwater quality sampling to monitor any impacts the facility may have on the groundwater.

Summary of Changes From Previous Permit:

This is a new permit; therefore, there are no changes from a previous version.

Proposed Effluent Limitations:

The facility shall be limited, sampled, and monitored by the Permittee as specified below.

Groundwater Monitoring Wells Table for Sample Location Mw1 - Monitoring Well - To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Chloride (as Cl)	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Nitrogen, total	Quarterly Maximum		<= 10.00 Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Oil & grease	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT

NS OTHER - Discharge Limitations Table for Sample Location 001 - Influent - To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate ^[1]	Daily Maximum	<= 44000 Gallons per Day (gal/d)		Intake	001	Once Per Batch	CALCTD
Flow, total ^[2]	Monthly Total	M&R Gallons (gal)		Intake	001	Once Per Batch	ESTIMA

Notes (NS OTHER - Discharge Limitations Table):

1. The influent flow shall not exceed the facility's initial holding tanks' capacity.
2. Estimate the total monthly flow into the facility's initial holding tanks.

NS OTHER - Discharge Limitations Table for Sample Location 002 - Sludge Pad - To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, sludge, tot, dry weight ^[1]	Monthly Total	M&R Tons (ton)		Other Treatment, Process Complete	002	Once Per Batch	CALCTD

Notes (NS OTHER - Discharge Limitations Table):

1. For each landfill, report the monthly total weight or volume of the dried solid waste material hauled to the landfill from the drying pad.

Rationale for Permit Requirements:

The proposed monitoring and reporting requirements are in place to ensure that the facility does not negatively impact human health and the environment. Down-gradient groundwater quality sampling is required to monitor any impacts to groundwater from the facility. Influent flow monitoring is required to ensure that the facility does not exceed its capacity. The amount of sludge coming off the drying pad is monitored to help NDEP determine the scale of the dewatering operation as it relates to the environment.

Special Conditions:

Special conditions are found in the table below and are written when additional narrative conditions are required.

SA – Special Approvals / Conditions Table

Item #	Description
1	For each site supplied with effluent from this facility, Easy Rooter shall provide documentation with quarterly DMRs that detail the facility name, physical address, phone number, contact name, and approximate volume of effluent delivered.

Flow:

Flow is limited to 44,000 gallons per day, which is based on the capacity of the facility's influent holding tanks.

Corrective Action Sites:

There are two corrective actions sites located within one mile of the facility. The permitted activity and the corrective actions sites are not expected to have a negative impact on one another.

Wellhead Protection Program:

The facility is located within 6,000 feet of four non-transient non-community water system wells.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit a well drillers log demonstrating that a monitoring well has been installed in accordance with NDEP Water Technical Sheet WTS-4.	10/9/2015
2	The Permittee shall submit two copies of an updated Operations and Maintenance (O&M) Manual for review by the Division. The O&M Manual shall be prepared by a qualified person.	10/9/2015

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Reports	Quarterly	10/28/2015
2	Annual Reports	Annually	1/1/2016

Procedures for Public Comment:

The Notice of the Division's intent to issue 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 **Reno Gazette 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. **9/4/2015**, 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.605.

Proposed Determination:

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

Prepared by: **Peter Lassaline**

Date: **7/29/2015**

Title: **Environmental Scientist**