



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: WATERS SEPTIC TANK SERVICE
4275 REWANA WAY
RENO, NV - 89502

Permit Number: NS2015504

Location: MNBOO AT CLARK STATION ROAD (A-19), WASHOE
3455 CLARK STATION ROAD, MCCARRAN, NV - 89434
LATITUDE: 39.559779, LONGITUDE: -119.427035
TOWNSHIP: T20N, RANGE: R23E, SECTION: S32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	POND #1	External Outfall		MCCARRAN	NV	89434	STOREY	39.559653	-119.427010	GROUNDWATER
002	POND #2	External Outfall		MCCARRAN	NV	89434	STOREY	39.559629	-119.427039	GROUNDWATER
003	FINAL DRYING PAD	External Outfall		MCCARRAN	NV	89434	STOREY	39.560162	-119.426880	GROUNDWATER

General:

The Permittee, Waters Septic Tank Service, is proposing to discharge effluent from dewatered sand/oil separator material into lined ponds for evaporation. The facility is located at 3455 Clark Station Road, McCarran, Storey County, NV.

The facility receives the sand/oil separator material from vacuum trucks. The waste material is put onto a concrete pad where the water is separated from the solid material. The solid material remains on the initial pad until it is dewatered. It is then moved by backhoe to a first stage drying pad. After the first drying pad, it is moved to a finishing pad where it remains until it is dry enough to pass a paint filter test, after which it is hauled to a landfill.

The water flows from the initial pad to a secondary separation tank where most of the sediment and oil are removed from the water. After treatment in the secondary sand/oil separation tank, the water flows to an intermediate oil/water separator tank for further treatment before flowing to a final oil separation tank. From the final oil separation tank, the water flows to storage pond #1, a lined, aerated pond for evaporation and settling. Water flows from storage pond #1 through a media filtration tank, which uses zeolite, perlite, and activated carbon filter media for final treatment, before flowing to storage pond #2, a lined, aerated evaporation and storage pond.

Discharge Characteristics:

The discharge consists of effluent from sand/oil separator material dewatering. The effluent is discharged into two constructed holding ponds. The facility is not permitted to discharge from either pond. Instead, the effluent is stored in the ponds and evaporates. The ponds are aerated and have 60-mil HDPE liners; they are cleaned and inspected for damage routinely.

Receiving Water:

The receiving water is groundwater of the State. Well drilling logs from nearby wells show that no

groundwater was found within a depth of 575 feet below ground surface.

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 will be limited, monitored, and sampled as described below.

NS OTHER - Discharge Limitations Table for Sample Location 003 (External Outfall) 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. Monitor and report the weight of the dry material hauled to the landfill.

Ponds / Rapid Infiltration Basins for Sample Location 001 (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
pH	Value		M&R Standard Units (SU)	Effluent Gross	001	Quarterly	DISCRT
Flow rate	Daily Maximum	<= 20000 Gallons per Day (gal/d)		Effluent Gross	001	Daily When Discharging	CALCTD
Solids, total dissolved	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Solids, total suspended	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Hydrocarbons, total petroleum	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Oil & grease	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
Freeboard	Quarterly Minimum		>= 2.0 Feet (ft)	Internal Monitoring Point	001	Quarterly	DISCRT

Ponds / Rapid Infiltration Basins for Sample Location 002 (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH	Value		M&R Standard Units (SU)	Effluent Gross	002	Quarterly	DISCRT
Freeboard	Quarterly Minimum		>= 2.0 Feet (ft)	Internal Monitoring Point	002	Quarterly	DISCRT
Nitrogen, total	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
Solids, total dissolved	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
Solids, total suspended	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
Hydrocarbons, total petroleum	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT
Oil & grease	Quarterly Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Quarterly	DISCRT

Rationale for Permit Requirements:

The following permit requirements have been established to protect human health and the environment.

Freeboard: Freeboard is the vertical distance between the water level of the ponds and the rim of the ponds. The freeboard limit is set to a minimum of two feet to ensure that the ponds do not discharge onto the ground surface.

Dry Sludge Weight: The amount of dry sludge hauled to landfills is required to be monitored and reported. This requirement will help NDEP assess the scale of potential environmental impacts at the facility.

Total Nitrogen, Total Dissolved Solids, Total Suspended Solids, Total Petroleum Hydrocarbons, oil & grease, and pH: The Permittee must sample each pond for these pollutants quarterly, which have been included based on their potential presence in the effluent.

Special Conditions:

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Flow:

Flow is limited to 20,000 gallons per day.

Corrective Action Sites:

There are no corrective actions sites within one mile of this facility.

Wellhead Protection Program:

This facility is not within a drinking water protection area or wellhead protection area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies of an Operations and Maintenance (O&M) Manual for review by the Division. The O&M Manual shall be prepared by a qualified person.	9/30/2015

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Annual Report	Annually	1/28/2016
2	Quarterly Reports	Quarterly	7/28/2015

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. **6/26/2015**, 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: **5/21/2015**

Title: **Environmental Scientist**