FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: TRUCKEE MEADOWS FIRE PROTECTION DISTRICT
601 E. 9TH STREET BUILDING D
RENO, NV - 89512

Permit Number: NS2014501

Location: MOGUL FIRE STATION #35, WASHOE
10201 W. 4TH STREET, RENO, NV - 89523
LATITUDE: 39.51320920, LONGITUDE: -119.91057270
TOWNSHIP: T19N, RANGE: R18E, SECTION: 13

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	INFILTRATION BASIN	External Outfall		RENO	NV	89523	WASHOE	39.515278	-119.914444	GROUNDWATER

General:
The Truckee Meadows Fire Protection District (TMFPD) is proposing to build Mogul Fire Station #35, located just north of Interstate 80 in Reno, Washoe County, Nevada. Plans for the construction of Mogul Fire Station #35 include a truck wash bay on the southwest side of the structure. TMFPD staff will occasionally use a garden hose and biodegradable detergents to wash fire trucks and on-site support vehicles. The discharge from the washing of vehicles will be collected in a floor drain and routed to a 750-gallon coalescing plate oil/water separator for pretreatment. Following the oil/water separator, the water will be piped to four granular activated carbon vessels for treatment. The treated effluent will then be discharged to a nearby infiltration basin for percolation on the south end of the property. No vehicle maintenance will occur in the truck wash bay.

Discharge Characteristics:
It is anticipated that truck washing will generally take 15 minutes to complete and the flow from the hose will produce 14 gallons per minute, resulting in a total discharge of approximately 210 gallons per vehicle. Prior to treatment, the discharge generated from truck washing is expected to contain small amounts of oil/grease, sediment, and detergent. The coalescing plate oil/water separator is designed to greatly reduce oil/grease and sediment in the discharge and the activated carbon will polish the effluent to meet the State's standard of 1 mg/L for total petroleum hydrocarbons (TPH).

Receiving Water:
The receiving water is groundwater of the State of Nevada via percolation in the infiltration basin. It is reported that depth of groundwater ranges from 50 to 100 feet below ground surface and flows in a southerly direction, towards the Truckee River.

Summary of Changes From Previous Permit:
This is a new permit.

Proposed Effluent Limitations:
During the period beginning on the effective date of this permit and lasting until the permit expires, the

Permittee is authorized to discharge treated truck wash water to groundwater via an infiltration basin.

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

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Monthly Average	<= 0.001 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER

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

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	001	Quarterly	DISCRT
pH, maximum	Maximum		<= 9.0 Standard Units (SU)	Effluent Gross	001	Quarterly	DISCRT
pH, minimum	Minimum		>= 6.0 Standard Units (SU)	Effluent Gross	001	Quarterly	DISCRT

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

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Alkalinity, bicarbonate (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Alkalinity, total (as CaCO3)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Aluminum, total (as Al)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Antimony, total (as Sb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Arsenic, total (as As)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Barium, total (as Ba)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Beryllium, total (as Be)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Cadmium, total (as Cd)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Calcium, total (as Ca)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Chromium, total (as Cr)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Copper, total (as Cu)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT

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

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Fluoride, total (as F)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Iron, total (as Fe)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Lead, total (as Pb)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Magnesium, total (as Mg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Manganese, total (as Mn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Mercury, total (as Hg)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Nickel, total (as Ni)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Nitrite plus nitrate total 1 det. (as N)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Potassium, total (as K)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Selenium, total (as Se)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT

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

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Silver, total (as Ag)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Sodium, total (as Na)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Sulfate, total (as SO4)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Thallium, total (as Tl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Cyanide, weak acid, dissociable	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT
Zinc, total (as Zn)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Annual	DISCRT

Rationale for Permit Requirements:

Total Petroleum Hydrocarbons (TPH): Quarterly; 1 mg/L. TPH is expected to be present in the discharge.

pH: Quarterly; 6.0 to 9.0 standard units. The pH range is the Division's standard for groundwater discharges.

Profile I: The requirement is to sample the discharge and report annually.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	Only biodegradable soaps/detergents shall be used during truck washing activities.

Item #	Description
2	No maintenance activities shall occur in the truck washing bay. All precations must be taken to prevent leaks of fuels or oil from entering the floor drain.
3	The oil/water separator shall be visually inspected and the results of the inspection recorded on a quarterly basis. A schedule for cleaning (removal) of any accumulated sediment and oil/grease shall be adopted and included in the facility's O&M Manual
4	The O&M Manual shall include a maintenance and carbon change-out schedule for the granular activated carbon treatment system.

Flow:
The Permittee is requesting a monthly maximum flow of 1,000 gallons per day.

Corrective Action Sites:
There are no Bureau of Corrective Actions (BCA) remediation sites located within one mile of this facility.

Wellhead Protection Program:
The facility is not within an established 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 for review and approval two copies of an Operations and Maintenance (O&M) Manual, compiled in accordance with the appropriate sections of Nevada Division of Environmental Protection (NDEP) guidance document WTS-2, "Minimum Information Required for an O&M Manual for a Wastewater Treatment Plant." The O&M Manual shall be prepared by a Nevada Registered Professional Engineer or Division-approved qualified person. If prepared by a Nevada Registered Professional Engineer, the O&M Manual shall be wet stamped.	7/1/2014

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	7/28/2014
2	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 **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. **4/21/2014** , 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: **Jason Ferrin**
Date: **3/19/2014**
Title: **E.I., Staff II Associate**