



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: GRANITE CONSTRUCTION
1900 GLENDALE AVENUE
SPARKS, NV - 89431

Permit Number: NS2015510

Location: SOUTHEAST CONNECTOR PHASE II, WASHOE
8301 CLEAN WATER WAY, RENO, NV - 89502
LATITUDE: 39.507610, LONGITUDE: -119.719260
TOWNSHIP: T19N, RANGE: R20E, SECTION: S15

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
EFF	TREATED EFFLUENT	Land Application Site		RENO	NV	89502	WASHOE	39.4730	-119.7380	GROUNDWATER
GRW	INTERCEPTED GROUNDWATER AND SURFACE WATER	Land Application Site		RENO	NV	89502	WASHOE	39.4730	-119.7380	GROUNDWATER
SUM	SUM OF EFF AND GRW	Sum		RENO	NV	89502	WASHOE	39.4730	-119.7380	GROUNDWATER

General:

Granite Construction Company (Granite) has applied to modify a permit to discharge treated effluent from the Truckee Meadows Water Reclamation Facility (TMWRF, NS2006512) and groundwater and surface water encountered during construction. The proposed discharge will be used for dust control, irrigation, and other construction water purposes.

The project will include construction of a 6-lane arterial roadway from south of Clean Water Way and ending at the existing intersection of South Meadows Parkway and Veterans Parkway. The roadway alignment will bisect the Steamboat Creek floodplain, and parallel Steamboat Creek through North and South Butler Ranch to Mira Loma Drive, through Rosewood Lakes Golf Course to Pembroke Drive, and north through the former University of Nevada, Reno agricultural land to Clean Water Way.

Dewatering activities will be performed in accordance with the Division-reviewed dewatering plan.

Discharge Characteristics:

There are two sources of discharge water for this permit: groundwater and surface water encountered during construction of the roadway, and treated TMWRF effluent.

The groundwater is discharged into the same groundwater basin that it is removed from; therefore, the discharged groundwater will not degrade waters of the State.

TMWRF produces high-quality, tertiary-treated effluent that will not degrade waters of the State. Per NAC 445A.276 and TMWRF's groundwater discharge permit for beneficial reuse, NS2006512, TMWRF effluent is required to meet Category B requirements for pathogens.

Receiving Water:

The receiving water is groundwater of the state of Nevada. Groundwater depth in the area varies approximately from 1 to 12 feet below ground surface.

Summary of Changes From Previous Permit:

This modification includes the addition of surface water to the approved discharges and an increase of the flow limit from 2.0 mgd to 10.0 mgd.

Proposed Effluent Limitations:

Re-use Discharge Limitations Table for Sample Location Eff (Tmwrff Effluent) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	M&R Gallons per Day (gal/d)		Prior to Reuse	EFF	Continuous	METER
Coliform, fecal general ^[1]	Monthly Maximum		M&R Most Probable Number per 100ml T (MPN/100mL)	Prior to Reuse	EFF	Monthly	DISCRT
Coliform, fecal general ^[1]	Monthly Average		M&R Most Probable Number per 100ml T (MPN/100mL)	Prior to Reuse	EFF	Monthly	DISCRT
Hydrocarbons, total petroleum ^[2]	Monthly Maximum		<= 1.0 Milligrams per Liter (mg/L)	Prior to Reuse	EFF	Daily	DISCRT
Hydrocarbons, total petroleum ^[2]	Monthly Average		<= 1.0 Milligrams per Liter (mg/L)	Prior to Reuse	EFF	Daily	DISCRT
Flow rate	Monthly Average	M&R Gallons per Day (gal/d)		Prior to Reuse	EFF	Continuous	METER

Notes (Re-use Discharge Limitations Table):

1. Fecal Coliform results may be obtained from TMWRF (NS2006512).
2. Sample in the event of a fuel leak/visible sheen, or equipment failure in or near the active project work areas.

NS OTHER - Discharge Limitations Table for Sample Location Grw (Intercepted Groundwater And Surface Water) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Hydrocarbons, total petroleum ^[1]	Monthly Average		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	GRW	Daily	DISCRT
Flow rate	Monthly Average	M&R Gallons per Day (gal/d)		Effluent Gross	GRW	Continuous	METER
Hydrocarbons, total petroleum ^[1]	Monthly Maximum		<= 1.0 Milligrams per Liter (mg/L)	Effluent Gross	GRW	Daily	DISCRT
Flow rate	Daily Maximum	M&R Gallons per Day (gal/d)		Effluent Gross	GRW	Continuous	METER

Notes (NS OTHER - Discharge Limitations Table):

1. Sample in the event of a fuel leak/visible sheen, or equipment failure in or near the active project work areas.

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

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	< 10.0 Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous	METER
Flow rate	Monthly Average	< 10.0 Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous	METER

Proposed Technology Based Effluent Limitations:

Rationale for Permit Requirements:

Water quality parameters are monitored to ensure effluent reuse requirements in NAC 445A are maintained, and to ensure waters of the State are protected.

Fecal Coliform:

The Permittee does not control the quality of the treated effluent they receive. This permit requires that the Permittee monitors and reports the fecal coliform results received from TMWRF. TMWRF produces Category B effluent with limits of 2.2 MPN/100mL for the 30-day geometric mean and 23 MPN/100mL for the daily maximum.

WET Testing:

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	Per section B.PB.10., the Permittee shall maintain a freeboard of 2 feet or more in the ponds.
2	Irrigation shall be performed in such a manner as to reduce standing water to a minimum and to prevent runoff of reclaimed water from the site or into water courses.

Reasonable Potential Analysis and Antidegradation Review:

Effluent and dewatered groundwater applied in accordance with the permit and NAC 445A will not degrade waters of the State. Groundwater is removed and returned to the same basin. TMWRF effluent meets secondary standards and Category B pathogen requirements, per their permit, NS2006512.

Flow:

The flow limit is set at 10.0 million gallons per day, as requested by the Permittee.

Discharges From Future Outfalls:

Corrective Action Sites:

There are no Bureau of Corrective Actions (BCA) remediation sites within one mile of the proposed discharge areas in this permit.

Wellhead Protection Program:

This project is not within any Wellhead Protection Areas or Drinking Water Protection Areas.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit for Division review 2 copies of a new Effluent Management Plan (EMP). The EMP shall be prepared and stamped by a Nevada-registered Professional Engineer or other qualified person.	5/1/2016
2	The Permittee shall submit for Division review 2 copies of a new Operations and Maintenance (O&M) Manual. The O&M Manual shall be prepared by a Nevada-registered Professional Engineer or other qualified person.	5/1/2016
3	The Permittee shall submit for Division review 2 copies of a revised EMP addressing the changes approved with this major modification. The EMP shall be prepared and stamped by a Nevada-registered Professional Engineer or other qualified person.	10/1/2016
4	The Permittee shall submit for Division review 2 copies of a revised O&M Manual addressing the changes approved with this major modification. The O&M Manual shall be prepared by a Nevada-registered Professional Engineer or other qualified person.	10/1/2016

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMR	Quarterly	7/28/2016
2	Annual Report	Annually	1/28/2017

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. **8/19/2016**, 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: **Robert E. Wimer, Jr.**

Date: **7/14/2016**

Title: **P.E.**