

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET
(pursuant to NAC 445.148)

Permittee Name: Quarry 187, LLC
250 Pilot Road, Suite 160
Las Vegas, Clark County, NV 89119

Permit Number: NEV93013

Location: Boulder Ranch Quarry
2 Searchlight Highway (U.S. Hwy 95)
Eldorado Valley, Clark County, Nevada

One mile west of U.S. Highway 95,
Approximately two miles South of Railroad Pass
Latitude: 35° 55' 51" N; Longitude: 114° 55' 27.5" W
Township 23 South, Range 63 East, E ½ Sect. 22 MDB&M

Corrective Actions Sites:

There are no Bureau of Corrective Actions (BCA) remediation sites located within a one-mile radius of the permitted facility.

Well Head and Drinking Water Supply Protection:

The facility is not within 6000-feet of a currently established Drinking Water Protection Areas (DWPA). A Well Head Protection Area (WHPA) has not been established for this area.

General:

The applicant has applied for a permit renewal to continue to reuse treated wastewater from the Boulder City wastewater treatment plant (NEV97022) for gravel washing and dust control at the sand and gravel plant. Water is re-circulated within the gravel washing process. Wastewater that does not evaporate is returned to a synthetic-lined holding pond following the washing operation. Losses of treated effluent volume are due to evaporation.

Flow:

The flow is limited to a 30-day average of 800,000 gallons per day.

Permit Limits:

Effluent reuse at the site shall be limited according to the following Table.

Table I.1: Effluent Limitations

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30 Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD)	0.80	0.80	Continuous	Flow meter
BOD ₅ (mg/L) ¹	30	45	Weekly	Composite
Total Suspended Solids ¹ (mg/L)	45	65	Weekly	Composite
Fecal Coliform ¹ (CFU or MPN/100 ml) ²	200	400	Weekly	Discrete
pH (Standard Units)	6.0 - 9.0		Weekly	Discrete
Visual Liner Inspection	Monitor and Report		Weekly	Discrete

1. Results obtained from reuse supplier (NEV97022 – Boulder City WWTP)
2. Colony Forming Units or Most Probable Number / 100 ml.

Schedule of Compliance and Special Conditions:

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications, which the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- b. Within thirty (30) days of the permit issuance date, the Permittee shall submit in accordance with WTS-1B, an updated Effluent Management Plan, as part of an updated Operations and Maintenance (O&M) manual developed in accordance with WTS-2.
<http://ndep.nv.gov/bwpc/fact01.htm>

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada, subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-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 for a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator. **All comments must be received by NDEP by 5:00 pm, May 17, 2010.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator 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.

Rationale for Permit Requirements:

The BOD₅, total suspended solids and fecal coliform limits are secondary treatment limits that the Boulder City wastewater treatment plant is designed to meet, and that are allowable for effluent to be used in production of washed gravel products. No groundwater monitoring requirements are listed due to the depth to groundwater, which has been reported to be approximately 600 feet over most of the Eldorado Valley.

Proposed Determination:

The Division has made the determination to re-issue the proposed permit for a five-year period.

Prepared by: M. Reid
April 2010