

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Martin Marietta Materials, Inc.
11252 Aurora Avenue
Des Moines, Iowa 50322

for the

Martin Marietta Materials Spanish Springs Quarry
11059 State Route 445
Sparks, Nevada 89436

Permit Number: NEV2004529

Description of Discharges

Location:

The Martin Marietta Spanish Springs Quarry property is in Spanish Springs Valley, north of the City of Sparks accessed off State Route 445 to the west via Sha Neva Road in Washoe County, Nevada, 89436.

Longitude: 119°43'08"W., Latitude: 39°41'00"N.
Section 15 , T. 21N., R. 20E., MDB&M

Characteristics: The Spanish Springs Quarry facility produces aggregates including crushed rock, sand, and gravel which require materials washing. Effluent is piped via the Truckee Meadows Water Reclamation Facility effluent pipeline to the facility via the Sha Neva pump station to an onsite effluent storage tank, from which effluent is discharged to an adjacent clarifier. The clarifier water is recycled and used for plant aggregate washing operations and for dust control; waste water that is no longer usable is piped to an evaporation percolation pond for disposal. When operations require/demand more water, additional water from an onsite well is blended into the clarifier to supplement the water quantity. Effluent and raw water lines are air-gapped at the discharge point into the clarifier. Effluent is supplied by the Truckee Meadows Water Reclamation Facility (TMWRF, NEV2003506). The effluent is tertiary treated, denitrified and disinfected effluent intended for reuse as wash water and for use in dust control. The facility is currently permitted under a temporary permit (TNEV2005346). All reuse operations are required to be conducted and operated in accordance with the approved Effluent Management Plan and permit conditions.

Flow: The applicant has applied for a permit to discharge a total of 0.300 MGD 30-Day Average Flow for the facility. The permit requires the reuse water quantity to be monitored and reported and the site uses and management of effluent shall be in accordance with the approved Effluent Management Plan. The annual effluent volume is limited to a maximum of

319 acre feet/year for the intended uses at the property.

Fecal Coliform:

2.2 CFU/MPN/100 ml 30 day average CFU = Colony Forming Units;
23 CFU/MPN/100 ml daily max. MPN = Most Probable Number; ml = Milliliter

* Sample results are obtained from TMWRF (# NEV2003506)

General: The applicant utilizes tertiary treated, denitrified and disinfected effluent reuse water provided by the Truckee Meadows Water Reclamation Facility (TMWRF) for the aggregate washing operations at the Spanish Springs Quarry, and for onsite dust control. TMWRF provides reclaimed water that meets new Category B quality per NAC 445A.276, (Formerly Category C), and is denitrified below 10 mg/l Total Nitrogen.

Receiving Water Characteristics: Groundwater in the area is potable (average depth is about 38 feet), as determined from the onsite groundwater well which is the source drinking water and of supplemental water for the property operations. This sealed, gravel packed well is 12.75" in diameter and is cased to 455'; the total well depth is 550'. The Permittee, in the approved Effluent Management Plan (EMP), shall ensure that the treated denitrified effluent utilized properly and at the designated rate. No adverse effects to groundwater are expected to occur as a result of this effluent reuse.

Procedures for Public Comment: The Notice of the Division's intent to issue the permit authorizing Martin Marietta Materials, Inc. to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit and Effluent Management Plan, 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 for a period of 30 days following the date of the publication of the public notice. All comments must be received by April 24, 2005. 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 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 the

proposed permit for a period of five (5) years.

Schedule of Compliance and Special Conditions: Cross-Connection control documentation approved by the Washoe County Health Department and TMWA (if applicable) for the site shall be confirmed and submitted prior to effluent reuse.

There are no other special conditions.

Rationale for Permit Requirements: Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275 and 445A.276.

Prepared by: Icyll C. Mulligan
January 31, 2005

Revised March 2005