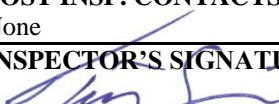




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Jemadojin Sand Mine	<b>MINE/PROSPECTING ID#:</b> M-2006-017	<b>MINERAL:</b> Sand	<b>COUNTY:</b> El Paso
<b>INSPECTION TYPE:</b> Surety-Related Inspection	<b>INSPECTOR(S):</b> Timothy A. Cazier	<b>INSP. DATE:</b> June 9, 2015	<b>INSP. TIME:</b> 13:30
<b>OPERATOR:</b> Premier Silica LLC	<b>OPERATOR REPRESENTATIVE:</b> George Munger, Jim Barnes	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Surety Related	<b>BOND CALCULATION TYPE:</b> IT.Bondcalculationtype.CD.Desc	<b>BOND AMOUNT:</b> \$64,439.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> June 12, 2015

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials with respect to those categories inspected. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(SB) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>Y</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

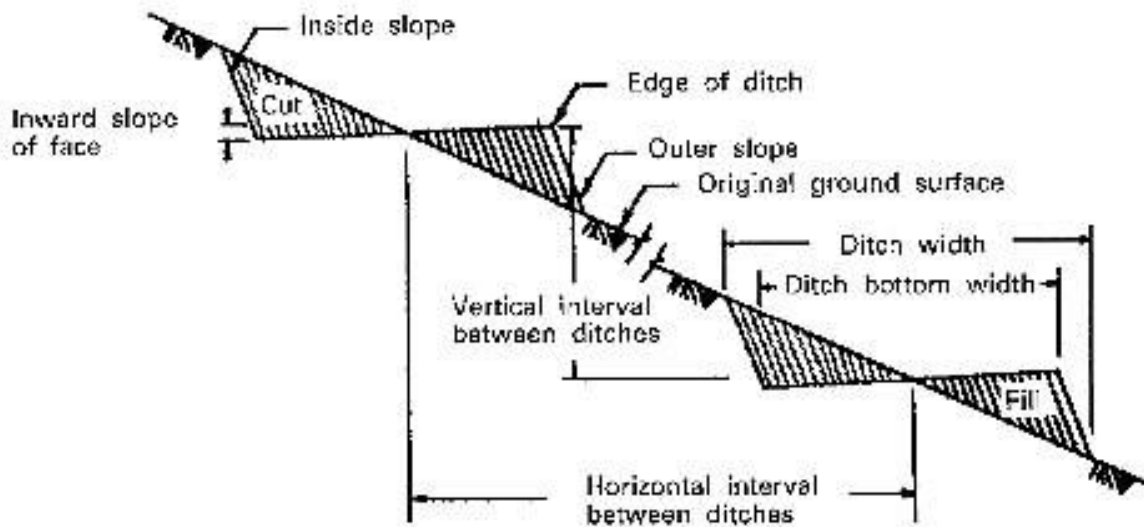
## **OBSERVATIONS**

This inspection was prompted by an application received by the Division to extend the current five-year Temporary Cessation (TC) an additional five years. The Operator, Premier Silica, LLC was represented during the inspection by Messrs. George Munger and James Barnes. The land owners: Jeff and Maria Jindra were also present for the inspection. The Jemadojin Sand Mine site entrance is one mile north of Myers Road on Dearing Road about 30 miles southeast of Colorado Springs in El Paso County. The pit was not active at the time of the inspection.

### **Inspection:**

Permit Boundary: The permit sign (**Photo 1**) was properly posted at the time of the inspection.

Pit & Permit Area: No additional disturbance was noted from the previous inspection. However, due to recent heavy rains additional erosion has occurred. This was most evident in the diversion cut on the north end of the site. **Photos 2** and **3** illustrate the difference. This inspector recommended contacting the local County Extension Agent for seed mix options and implementing best management practices (BMPs) such as contour furrowing (also called contour bunding – see **diagram** below and **Photo 4** as an example) on the diversion cut and pit slopes. Note: if the seed mix needs to be changed, the Division will require a technical revision (TR) to the permit.



### **Current Stipulations:**

There are no current stipulations.

### **Records:**

- The total permitted area is 299.78 acres. The August 28, 2013 approval of TR-01 reduced the maximum allowed disturbed area from 34 to 10 acres.
- The previous inspection was performed on 10/8/13. A problem was cited for late annual fees and resolved.
- The Annual Report and fees are current through 2015. However, there does appear to be some

confusion on the part of Premier Silica with respect to affected area reported on the annual reports (i.e., Item #7). For the past few years, the affected area has been reported as "zero". The DRMS considers all areas affected by mine operations to be affected until the Operator formally requests a release and we approve the release. Based on the **attached Google Earth image** the total affected area should be roughly 25 acres, not including haul and access roads. Based on the 2012 annual report, 35 acres had been backfilled, reclaimed and re-seeded. As such the affected area should be 35 acres until a release request is received and approved by the Division. The permit is not clear as to whether or not roads are to remain after reclamation. The green shaded areas are adequately revegetated from the Division's perspective. The pit, diversion cut, and the parking area total to approximately 11.5 acres. The Division estimates the BMP installation and seeding for these areas could be accomplished with the currently held bond.

- The Division still requires a written commitment to continue mining the site, from either the Operator or the land owner in order to recommend to the Mined Land Reclamation Board (MLRB) the five-year extension to the current TC.
- The post-mine land use is rangeland.

**Bond:**

The current bond is \$64,439.00 and is considered adequate to complete reclamation based on the current disturbance.

**Recommendations:**

1. Contour furrowing BMPs should be implemented on the diversion cut and pit slopes.
2. The will recommend the MLRB grant the requested five-year TC extension after a written commitment to continue mining the site is recieved from either the Operator or the land owner.
3. Future annual reports should reflect the affected area to be 35 acres until a release request is received and approved by the Division.

## PHOTOGRAPHS



Photo 1. Required permit sign (at pit entrance).



Photo 2. Diversion cut – 10/8/2013 inspection (looking north).



**PHOTOGRAPHS (cont.)**



Photo 3. Diversion cut – 6/9/2013 inspection (looking north).



Photo 4. Example contour furrowing (bunding) from a different site.

**Inspection Contact Address**

Michael Miclette  
Premier Silica LLC  
5205 N. O'Connor Blvd., Suite 200  
Irving, TX 75039

Enclosure

ec: Jeff & Maria Jindra, land owners  
Wally Erickson, DRMS  
DRMS file



# M-2006-017 Jemadojin Sand Mine

8/28/2013 Satellite Image

## Legend

-  Jemadojin Sand Mine
-  M-06-17 Disturbance
-  M-06-17 Parking Area
-  M-06-17 Reclaimed Satisfactorily

Google earth

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Jemadojin Sand Mine

1.86 AC

3.5 AC

0.46 AC

9.2 AC

10.3 AC



2000 ft