


**COLORADO**Division of Reclamation,  
Mining and Safety

Department of Natural Resources

**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> October 11, 2016	<b>INSP. TIME:</b> 09:50
<b>OPERATOR:</b> Premier Silica LLC	<b>OPERATOR REPRESENTATIVE:</b> Jackie Campo	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Surety Related	<b>BOND CALCULATION TYPE:</b> Partial Bond	<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> March 13, 2017

**The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.**

**INSPECTION TOPIC:** Signs & Markers

**PROBLEM/POSSIBLE VIOLATION:** Problem: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Section 3.1.12(1) of the rule.

**CORRECTIVE ACTIONS:** The permittee shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the permittee, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

**CORRECTIVE ACTION DUE DATE:** 4/14/17

## **OBSERVATIONS**

This inspection was requested by the Permittee (Premier Silica) and the landowners (Jeff and Maria Jindra) to discuss the remaining required reclamation. The Permittee was represented during the inspection by Ms. Jackie Campo. 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.

**Availability of Records:** Annual reports and fees are current through June 2016. The site is in its second consecutive period of Temporary Cessation (TC) which will end 6/30/2020 at which point final reclamation must begin or mining must resume. Based on historic annual reports, at least 35 acres (2012) have been backfilled. Annual reports from 2014 & 2015 claim 13 acres of backfill. As such there are officially at least 35 acres affected as no acreage release requests have been submitted. Please note the Division considers all disturbed area "affected land" until the Division releases it from the permit. A surety reduction (SR-01) was approved in February 2014 for reclamation work accomplished to date and a Technical Revision (TR-01) was approved in August 2013 reducing the maximum affected area to 10 acres.

**Backfilling and Grading:** The approved reclamation plan requires all slopes to be graded to a slope of 3H:1V of flatter. This appears to have been accomplished.

**Financial Warranty:** The current financial warranty (64,439.00) is more than adequate for the remaining reclamation required: topsoiling and seeding for approximately 10 acres or less.

**Gen. Compliance with Mine Plan:** The operation appeared to be in compliance with the approved mine plan.

**Roads:** The approved permit does not require reclamation of the access road.

**Reclamation Success:** Reclamation appears successful for the most part with notable exceptions in: A) the stormwater diversion cut on the north end (see **Photos 1 - 3**); B) the majority of the sloped highwalls in the pit area (see **Photos 4 and 5**); and C) a small area in the bottom of the pit sloping gradually to the north. The Division strongly recommends adding topsoil to these areas prior to reseeding. Previous attempts using wattles, erosion control blankets and other methods have failed to stabilize the soil in the stormwater diversion with virtually no vegetation being established. The Division recommended contacting the County and/or the NRCS regarding modifying the seed mix, which would require a Technical Revision to the permit if desired.

The landowners expressed an interest in reducing the affected area to approximately one acre for which a bond would likely be affordable if the needed to transfer the permit to themselves in order to keep the mine active. The Division would require the affected/unreclaimed area to be reduced to one acre and Premier Silica would need to request another surety reduction for achieved reclamation at that time to accomplish a similar situation described under Availability of Records above to achieve the current 10-acre maximum affected area.

**Revegetation:** Vegetation appeared to be getting established in the majority of the pit floor with the exception of the area sloping to the north discussed under Reclamation Success.

**Sediment Control:** The stormwater diversion cut appeared to be the only area requiring erosion control. However, the eroded material did not appear to have migrated off site.

**Signs and Markers:** The permit sign that was posted during the previous inspection (10/8/2013) appeared to have blown down (see **Photo 6**). **The missing sign is cited as a problem on page 1 of this report.**

Please contact Tim Cazier (303-866-3567, ext. 8169) if you have any questions regarding this report.

## PHOTOGRAPHS



Photo 1. Stormwater cut requiring revegetation (looking NW).



Photo 2. Stormwater cut requiring revegetation (looking north). *Note erosion control blanket staples*



**PHOTOGRAPHS (cont.)**



Photo 3. Stormwater cut requiring revegetation (looking NE).



Photo 4. Main pit areas requiring revegetation (looking SW).



**PHOTOGRAPHS (cont.)**



Photo 5. Main pit areas requiring revegetation (looking west).

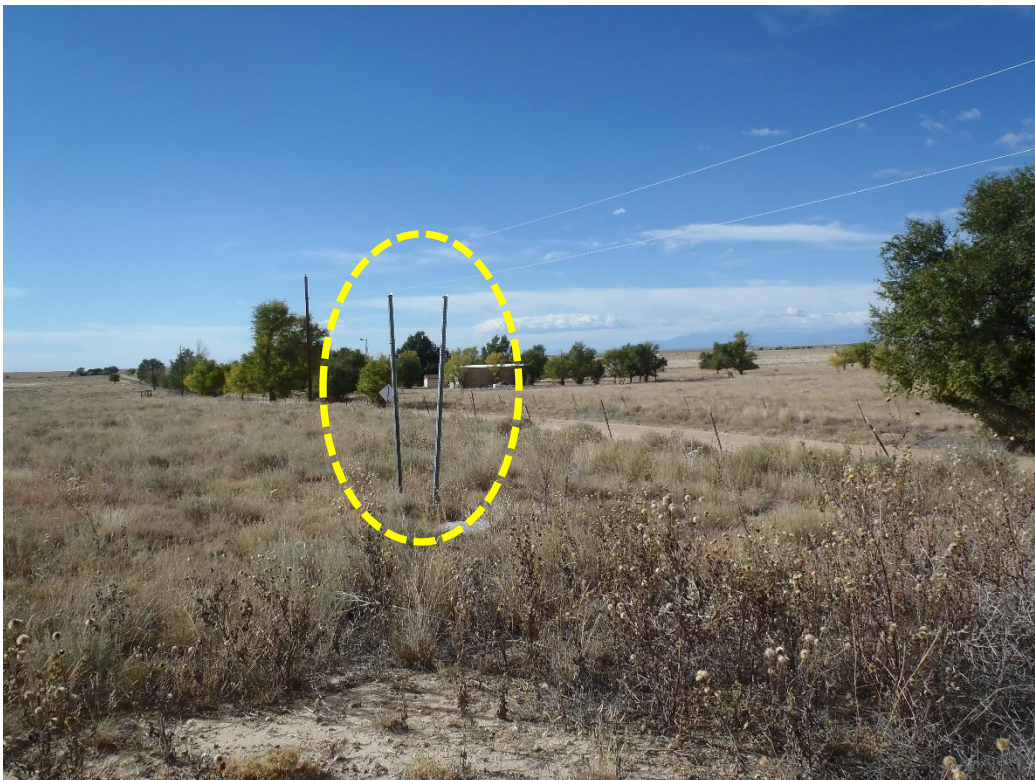


Photo 6. Previous location of permit sign (east side of Dearing Rd.).

### GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(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>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</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>PB</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</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

#### Inspection Contact Address

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EC: DRMS file  
Jackie Campo, Premier Silica  
Maria Jindra, landowner