




**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> Mamm Creek Sand & Gravel	<b>MINE/PROSPECTING ID#:</b> M-2000-113	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Garfield
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Dustin M. Czapla	<b>INSP. DATE:</b> March 8, 2012	<b>INSP. TIME:</b> 11:00
<b>OPERATOR:</b> Lafarge West, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Steve Fisk	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$149,153.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> March 20, 2012

**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. 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>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</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>N</u>	(SB) COMPLETE INSP---- <u>Y</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>Y</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>N</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 conducted as part of the Division of Reclamation, Mining and Safety's (Division) normal monitoring program. Steve Fisk, representing the Operator, was present during this inspection. Photographs are included with this report in order to illustrate some of the conditions observed during this inspection.

The Mamm Creek Sand and Gravel site is located approximately 2.5 miles east of Rifle and accessed from CR316. The site is a 112c operation that includes a total of 295 permitted acres. The Division currently holds a financial warranty amount of \$149,153.00 for this site. The Division will review the reclamation costs for this site in order to ensure the financial warranty reflects the actual current cost of fulfilling the requirements of the Reclamation Plan. The Operator will be notified if the Division determines that the current financial warranty amount is insufficient.

Adequate mine identification signage was noted at the entrance to the site.

The affected area was adequately marked.

This site is primarily used for sales, and processing and stockpiling material which is transported from the North Bank Resources site (M-2006-018) via conveyor across the Colorado River. The three areas at this site where mining has occurred, labeled Mine Area's E, C and B on the 2011 annual report map, have been mined out and are undergoing reclamation. The processing and stockpile area is located adjacent to the west side of Mine Area B.

Mine Area E has been mined out and is mostly reclaimed. The banks of the pond appeared stable and well vegetated. The inflow and outflow structures appeared stable and seemed to have functioned properly during the last year's high spring-runoff event. The west portion of this area is used for equipment storage.

Mine Area C has also been mined out and is mostly reclaimed. Slopes around this pond were approximately 2H:1V. So grading slopes to 3H:1V or less, topsoiling and seeding remains to be completed in this area. A drill pad has been constructed in the southwest portion of this area.

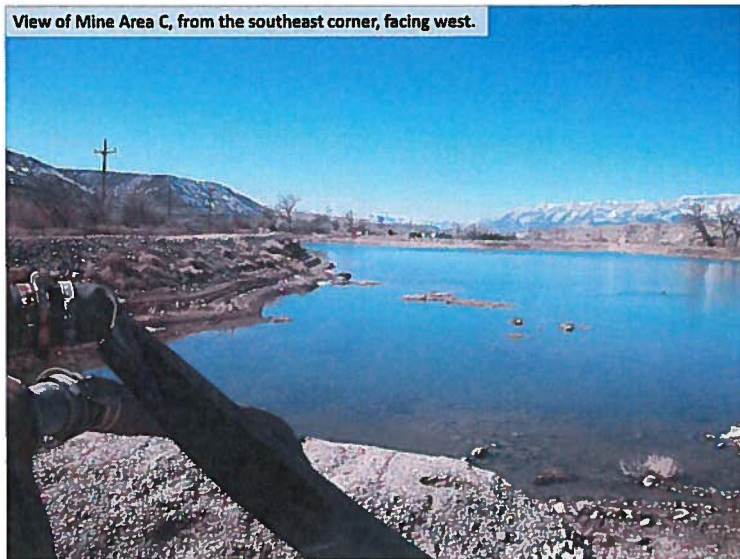
Mine area B has been mined out as well and was undergoing reclamation during this inspection. The slopes of the lake were graded to 3H:1V or flatter, and most had been seeded and mulched. The south bank of the Colorado River, adjacent to the northeast portion of this area, experienced significant erosion during the last year's high spring-runoff event. Construction efforts to stabilize the affected bank, authorized through an Army Corp of Engineers Permit, were occurring during this inspection. Reconfiguration of the inflow structure in this area, that had experienced some erosion during last year's runoff, had been completed prior to this inspection. The outflow structure appeared stable and seemed to have functioned properly during the last year's high spring-runoff event. A drill pad has been constructed in the southeast portion of this area.

No problems or violations were noted during this inspection.

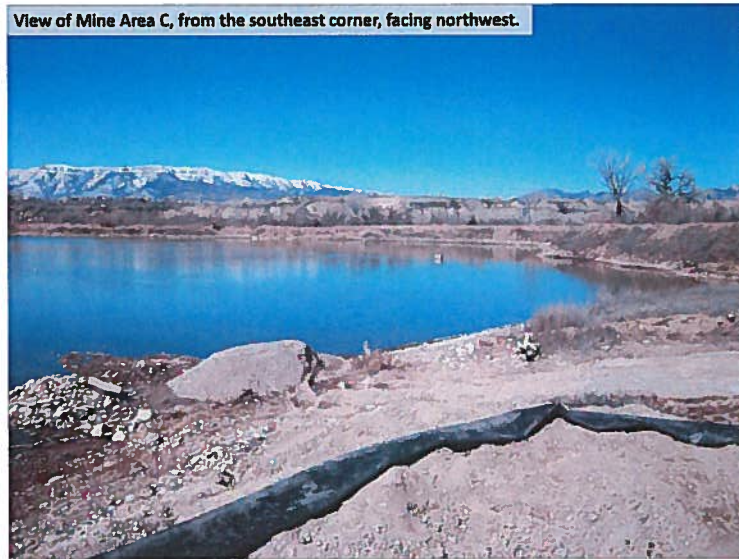
Responses to this inspection report should be directed to Dustin Czapla at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone number (970) 243-6299.

# PHOTOGRAPHS

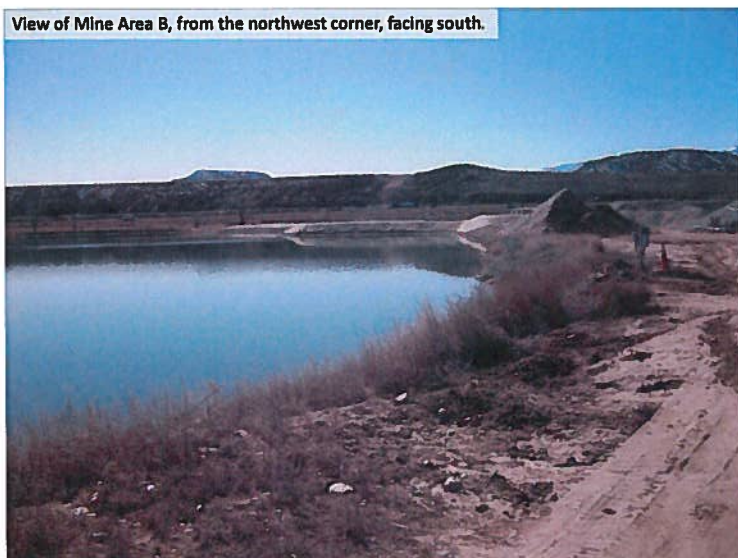
View of Mine Area C, from the southeast corner, facing west.



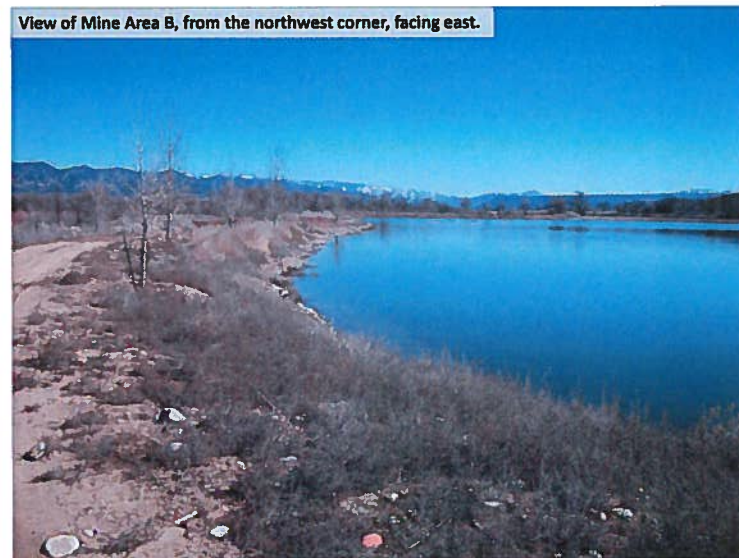
View of Mine Area C, from the southeast corner, facing northwest.



View of Mine Area B, from the northwest corner, facing south.

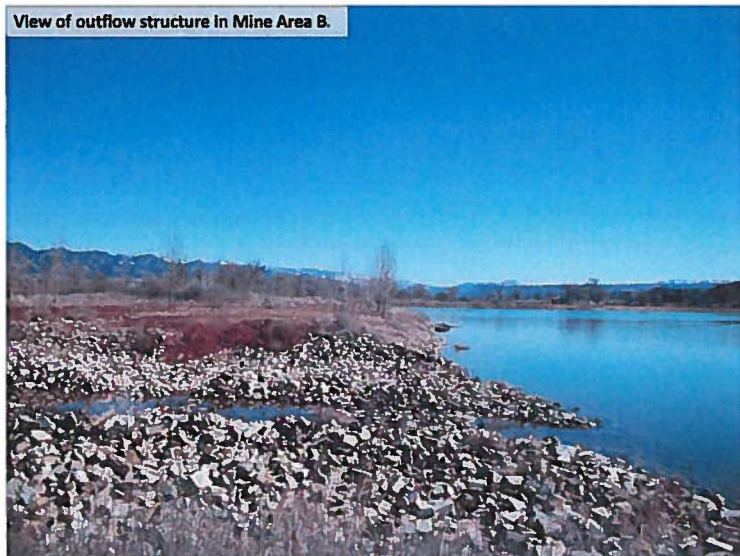


View of Mine Area B, from the northwest corner, facing east.

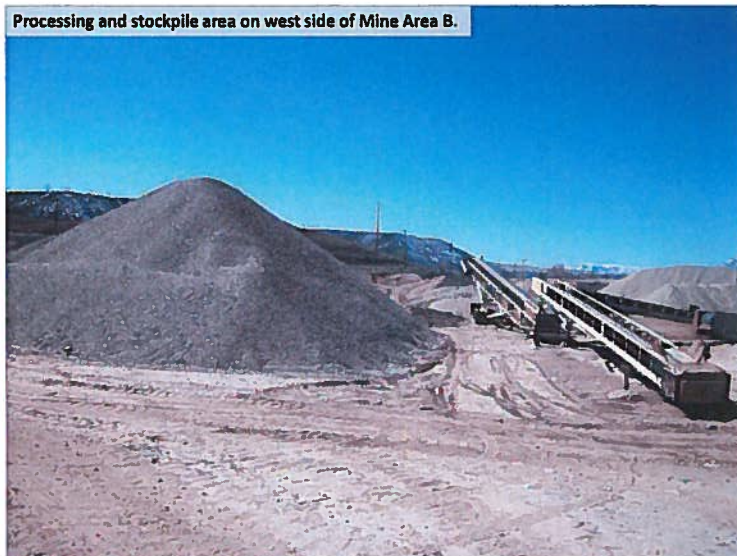




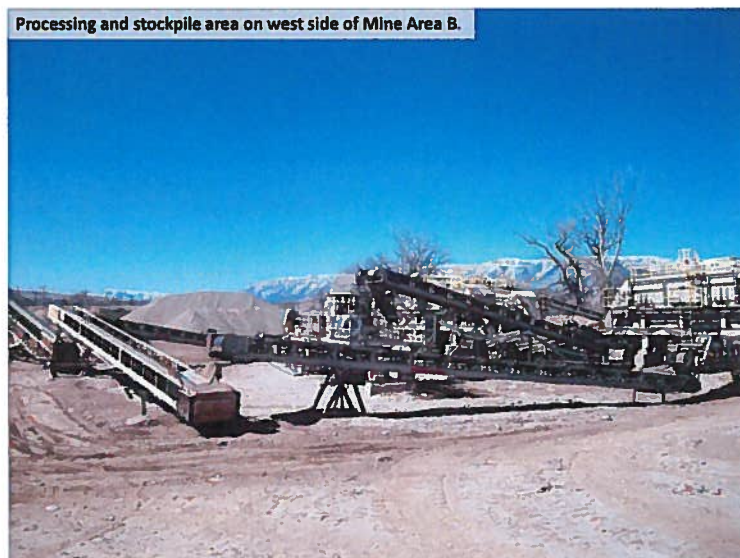
View of outflow structure in Mine Area B.



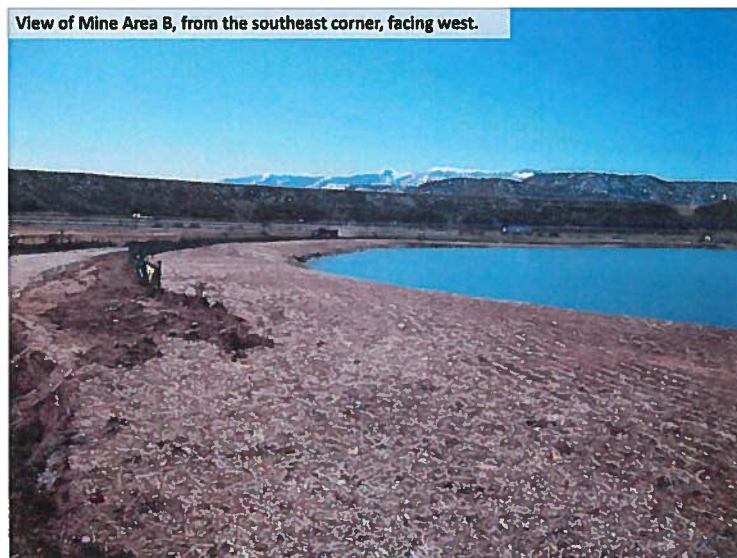
Processing and stockpile area on west side of Mine Area B.



Processing and stockpile area on west side of Mine Area B.



View of Mine Area B, from the southeast corner, facing west.





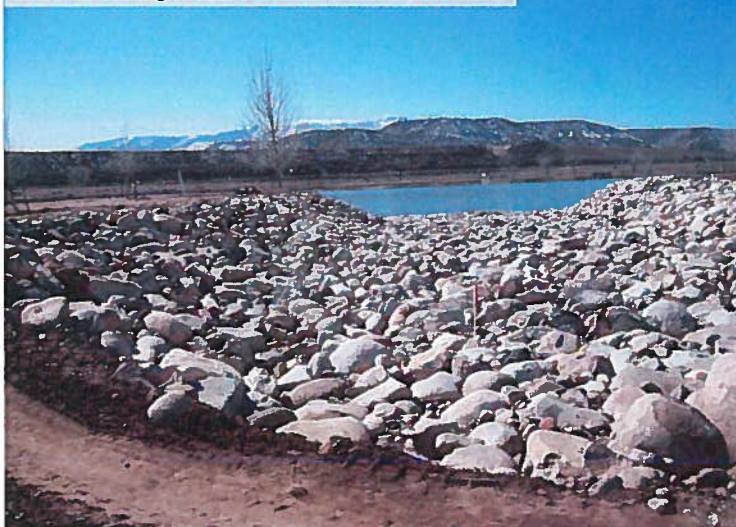
View of Mine Area B, from the northeast corner, facing west.



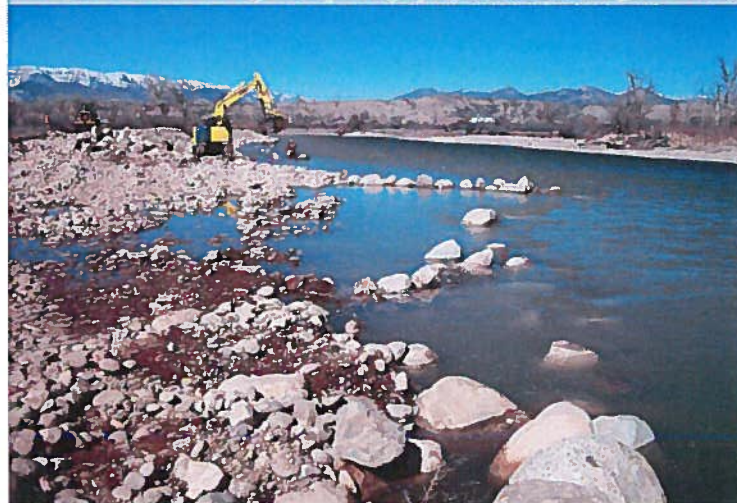
View of the south bank of the Colorado River, just upstream of the inflow structure in Mine Area B, that was affected during the last year's high spring-runoff. View is facing upstream.



View of the reconfigured inflow structure located in Mine Area B.



View of the south bank of the Colorado River, just downstream of the inflow structure in Mine Area B, that was affected during the last year's high spring-runoff. View is facing downstream.





View of the south bank of the Colorado River, just downstream of the inflow structure in Mine Area B, that was affected during the last year's high spring-runoff. View is facing downstream.



View of the south bank of the Colorado River, just downstream of the inflow structure in Mine Area B, that was affected during the last year's high spring-runoff. View is facing upstream.



View of Mine Area E, from CR316, facing north.



View of Mine Area E, from CR316, facing north.



**Inspection Contact Address**

Sean Frisch  
Lafarge West, Inc.  
10170 Church Ranch Way  
Suite 200  
Westminster, CO  
80021

Enclosure: 2011 Annual Report Map

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