




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.

MINE NAME: Grand River Park Project	MINE/PROSPECTING ID#: M-2006-046	MINERAL: Sand and gravel	COUNTY: Garfield
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy C. Yeldell	INSP. DATE: March 23, 2016	INSP. TIME: 08:00
OPERATOR: Silt Sand & Gravel, LLC	OPERATOR REPRESENTATIVE: Sean Mello	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$162,454.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Snowing	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 31, 2016

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 and/or for Hard Rock, Metal and Designated Mining Operations. 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>NA</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>	(SW) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</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>NA</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 Colorado Division of Reclamation, Mining and Safety (Division) normal monitoring program. The Grand River Park Project is a 112c permitted site that includes a total of 163 permitted acres. This site is located approximately 1.25 miles southwest of Silt, Colorado and is accessed from Garfield County Road 346 (Colorado River Rd). Sean Mello represented Silt Sand & Gravel, LLC and accompanied Amy Yeldell of the Division on the inspection.

The mine identification sign and affected area boundary markers are in place and in compliance with Rule 3.1.12. One main sign is posted at the entrance from the county road. A scale and scale house are present and will be removed upon final reclamation. The permit boundary is clearly delineated by wire fences on three sides and the Colorado River on the north side. A portion of the permit area is within the Colorado River. The 200ft buffer between the Colorado River and the pit has been maintained.

This site is broken up into phases and practices concurrent reclamation. Approximately 60 acres have been affected to date. As reported in the 2015 annual report, the production area is approximately 25 acres, completed and partially reclaimed phase 1B area is 20 acres and actively mining phase 2 area is 16 acres.

Reclamation around the phase 1B pond is almost complete, approximately 200 ft. is remaining. The majority of the slopes have been properly graded to 3:1 or less. Slopes have been stabilized with vegetation. Staff was unable to evaluate the quality of established vegetation due to the time of year the inspection was conducted. In the area with remaining reclamation work a 15 ft. highwall needs to be graded from 1:1 to 3:1 and seeded.

A wash plan is located south of the phase 1B pond in the production area. A crusher plant is located in the middle of the production area. One fuel tank is stored in a cement secondary containment complete with a floor and 3 ft. high walls. Throughout the production area there are several large stockpiles of processed material. All piles are neatly organized according to size and appear to be stable. Excess construction materials and debris are neatly stacked out of the way along the south edge of the production area.

Mining is occurring in the phase 2 area. It has been mined to a depth of approximately 20 ft. with a flat bottom. Some water has been exposed but it is pumped out to keep the floor relatively dry. Mining is occurring on the west and north banks. The south bank was grade last fall but winter moved in before seeding could occur. It will likely be seeded this spring prior to the monsoonal rains. The east slope has been properly grade and seeded. It is stable and vegetation is establishing well.

The western portion of the site remains undisturbed and stable.

The Last Chance Ditch has been piped through the disturbed areas of the pit. The Rising Sun Ditch also runs through the permit area. In the undisturbed areas the ditches remains in tack in their original state.

Overall the site was stable, no significant erosion was observed. Serval overburden and topsoil piles are located throughout the site. They have been seeded to help stabilize them.

Silt Sand & Gravel LLC continues to spot treat any tamarisk shoots that have remerged in the several acres that were previously removed. Very little evidence of weeds were observed. Mr. Mello indicated that they both

chemically and mechanically treat for weeds several times a year.

A gas pad is located northeast of the scale house. Another gas pad is located along the county road in the western undisturbed portion of the permit area. No mining has occurred around these pads and there is a clear delineation between COGCC's jurisdiction and DRMS'.

No problems or violations were cited during this inspection.

Currently the Division holds a Financial Warranty in the amount of \$162,454 for this site. This is the amount calculated in 2007 upon permit issuance, no other increases have occurred since. In an effort to ensure the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan the Division will be updating the reclamation cost estimate.

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

PHOTOGRAPHS









Wash plant



Processing area and crusher plant







Inspection Contact Address

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Enclosure

CC:
Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS