




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety 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: Keenesburg Project	MINE/PROSPECTING ID#: M-2019-027	MINERAL: Sand	COUNTY: Weld
INSPECTION TYPE: Pre-Operation Inspection	INSPECTOR(S): Peter S. Hays	INSP. DATE: June 28, 2019	INSP. TIME: 10:00
OPERATOR: Colorado Sand Company LLC	OPERATOR REPRESENTATIVE: Marv Brown	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Pre-Operation Inspection	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 1, 2019	

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>NA</u>	(FN) FINANCIAL WARRANTY----- <u>NA</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>NA</u>	(BG) BACKFILL & GRADING----- <u>NA</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>NA</u>	(FW) FISH & WILDLIFE----- <u>NA</u>	(RV) REVEGETATION---- <u>NA</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>NA</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <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 was a pre-operational inspection of the Keenesburg Project conducted by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) for a construction materials limited operation reclamation permit application. Mr. Marv Brown with Schedio Group LLC representing Colorado Sand Company LLC was present during the inspection.

The 110c permit application was received by the Division on May 24, 2019. The application was deemed complete by the Division on June 14, 2019. The decision date for the application is July 13, 2019.

The permit application proposes a 9.9 acres site. The site is located approximately 2 miles north of the Town of Keenesburg in Weld County. The Operator intends to mine sand for an anticipated duration of less than one year. The existing ranch service road owned by Guttersen Ranch LLC will be used to access the site. The mining operation will consist of an open mine pit, wet and dry sand processing facilities, the final product storage and loadout facilities. Sand will be mined by excavator and/or front-end loader and transported by truck to the processing facilities. The maximum anticipated mining depth for the fines recovery and main pit is 25 feet below existing grade. The perimeter slope of the pits will be mined at the angle of repose (3H:1V). The Operator estimates an average of 1,600 tons per day of saleable product will be produced at full-scale operations. Groundwater will not be exposure by the mining excavation. Water will be imported from an appropriate source for the wet processing plant.

The proposed post-mining land use is rangeland, which is the current land use. The upper 12 inches of topsoil will be stripped and salvaged for reclamation. Topsoil will be salvaged and stored in a central stockpile or in the perimeter road berms. Topsoil will be replace at a depth of 8 to 12 inches during reclamation. The fines recovery pit will be backfilled completely and the main pit slopes will be reclaimed at a minimum 3H:1V grade. The portions of the site disturbed by the mining operation will be revegetated with a rangeland seed mixture. The site will be fenced to prevent cattle grazing for 5 years to allow the establishment of the reclamation grasses.

The required notice sign was posted at the entrance to the site. The Operator will be required to install a mine sign and boundary markers as required by Rule 3.1.12 prior to initiating the mining operation. The site consisted of undisturbed rangeland as described by the Applicant in the permit application. An overhead powerline and underground gas pipelines were observed south and west of the proposed permit boundary during the inspection, which were not identified by the Applicant in the permit application. The presence of the unidentified structures will be address by the Division in the adequacy review letter. The existing ranch access road appeared capable of support the mining operation in the current condition. Photographs taken during the inspection are attached.

If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at peter.hays@state.co.us.

PHOTOGRAPHS



Keenesburg Project notice sign



Existing ranch access road



View of the site from the southwest corner looking east



View of the site from the northwest corner looking east



View of unidentified utilities in the permit application south of the permit boundary

Inspection Contact Address

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