



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.

MINE NAME: Heintges Pit	MINE/PROSPECTING ID#: M-1991-069	MINERAL: Sand and gravel	COUNTY: Cheyenne
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott R. Russell	INSP. DATE: April 30, 2019	INSP. TIME: 14:00
OPERATOR: Kit Carson County	OPERATOR REPRESENTATIVE: Dave Hornung	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: NA	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 26, 2019	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected. 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>N</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>N</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>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

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

PROBLEMS/POSSIBLE VIOLATIONS

None observed during the inspection.

OBSERVATIONS

This inspection was conducted as part of the Division's routine monitoring program for permitted operations. Elliott Russell, with the Division, conducted the inspection while Dave Hornung, representing the Operator, accompanied the inspection.

The Heintges Pit is a Construction Material Limited 110c Operation Reclamation Permit and is approved to affect 6.7 acres of land. Affected lands will be reclaimed to support a pastureland post-mining land use. The site is located in Cheyenne County, approximately 19 miles south-southeast of Burlington, Colorado.

The Division met Dave Hornung at the mine site entrance located on the west side of County Road 54, a quarter mile south of County Road GG (which is also the county line). The site was not active at the time of the inspection, however the Division observed evidence of recent mining activity.

The site consists of a single pit, approximately 5 acres in size, with an active mining face along the southern portion. Material is currently being pushed up out of the pit and stockpiled at the crest of the southwest corner of the pit. The pit is approximately 20-30 feet deep.

Availability Of Records: The anniversary date of the permit is July 10th of each year. The 2018-2019 Annual Report, Map and Fee was submitted and accepted on June 13, 2019. The previous inspection was on June 28, 2016. There are no open infractions.

Hydrologic Balance: No captured storm water nor exposed groundwater was observed during the inspection.

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

Sediment Control: A substantial head cut has developed along the eastern side of the pit, just north of the mid-pit access road. This erosional feature will likely continue to advance east and could eventually impact off-site lands if the Operator does not repair and mitigate it. The Division recommends the Operator backfill and grade the head cut, then establish a small berm or ditch furrow along the crest of the slope to help prevent future erosion issues with storm water flowing into the pit area.

Backfill & Grading: The Division recommends when the Operator repairs the erosional feature discussed above, to grade and slope the small highwall in the northeast portion of the site to assist in contemporaneous reclamation.

Signs and Markers: The permit sign was properly posted and boundary markers delineated the permit boundary.

Topsoil: Topsoil had been stripped from the disturbed area and stockpiled in the northern portion of the permit. There appears to be sufficient topsoil stockpiled at the site to complete reclamation.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. 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 x8132**, or by email at elliott.russell@state.co.us.

PHOTOGRAPHS



Photo 1. Mine identification sign; looking south.



Photo 2. Northeast boundary marker; looking southwest.



Photo 3. Pit overview and southern mining slope; looking northeast.



Photo 4. Product stockpile located at the crest of the southwest corner of the pit; looking northwest.



Photo 5. Head cut along eastern side of pit; looking west.

Inspection Contact Address

Dave Hornung
Kit Carson County
P.O. Box 160
Burlington, CO 80807

CC: Michael Cunningham with DRMS