




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: Larson Pit	MINE/PROSPECTING ID#: M-2007-012	MINERAL: Gravel, sand, clay	COUNTY: Phillips
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott R. Russell	INSP. DATE: March 20, 2019	INSP. TIME: 09:45
OPERATOR: Gregory Larson	OPERATOR REPRESENTATIVE: None	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$28,889.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 1, 2019

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.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected

(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>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- PB	(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

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM: The current mine plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The operator must provide sufficient information to describe or identify how the operator intends to conduct the operation.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: May 1, 2019

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. Greg Larson was contacted prior to the inspection, but was unable to accompany the Division.

The Larson Pit is a Construction Material Regular 112c Operation Reclamation Permit and is permitted to affect 68 acres of land. The approved Mining and Reclamation Plans split the permitted area into 3 phases from west to east: Mining Area 1 (33 acres), Mining Area 2 (22.3 acres), and Mining Area 3 (12.7 acres). Affected lands will be reclaimed to support a post-mining land use of wildlife habitat. The site is located in Phillips County, approximately seven miles south-southeast of Haxtun, Colorado. The mine site entrance is located a quarter of a mile south of County Road 16, on the east side of County Road 7. The site was not active at the time of the inspection, but the Division observed evidence of recent mining activity. Equipment on-site consisted of a front-end loader and a bulldozer.

Availability Of Records: The anniversary date of the permit is September 21st of each year. The 2017-2018 Annual Report, Map and Fee was submitted and accepted on January 14, 2019. The previous inspection was on September 15, 2014. There are no open infractions. Technical Revision TR-01, approved by the Division on March 10, 2015, revised the Mining Plan sequence to start in Mining Area 2 rather than Mining Area 1.

Gen. Compliance With Mine Plan: The operation has affected approximately 6 acres in Mining Area 2 and approximately 7 acres in Mining Area 1. Under the current Mine Plan and financial warranty held (\$28,889), the operation is currently approved to affect only Mining Area 2. As the operation has advanced into Mining Area 1, the operation is no longer in compliance with the approved Mine Plan and financial warranty. This has been cited as a compliance problem requiring corrective action. The Operator is reminded that he is required to contact the Division and post additional financial warranty prior to advancing the operation into an un-bonded phase.

Financial Warranty: Although the sizes of the disturbance within Mining Area 1 and Mining Area 2 are smaller than the maximum sizes of the phases, under the approved Mining Plan and phased bonding approach, any affected mining phase which has not had an approved Surety Reduction (SR) or Acreage Reduction (AR) needs to have adequate financial warranty to cover the cost of the proposed reclamation plan on the entire phase. The Operator has not requested an SR or AR for any affected lands. The Division has prepared a draft reclamation cost estimate to cover Mining Area 1 (33 acres) and Mining Area 2 (22.3 acres). The Division has determined the required amount of financial warranty to cover these areas is \$60,800, and increase of \$31,911 from the current bond held. The Division will issue a Notice of Surety Increase within 30 days requiring the Operator to

post the additional financial warranty within 60 days of the Notice of Surety Increase. This 30-day deadline matches the corrective action deadline to address the Mining Plan, whereas the Operator may submit a revised phasing plan to reduce the size of the active phases, which would result in a new, reduced reclamation cost estimate.

Sediment Control: No erosion problems were observed and no BMPs are needed at this time.

Signs and Markers: The permit sign was properly posted and boundary markers, delineating the permit boundary, were observed.

Topsoil: The approved reclamation plan requires the Operator replace five inches of salvaged topsoil. Topsoil had been stripped and stockpiled in various stockpiles at the mine site. There appeared to be an adequate amount of topsoil to complete reclamation of the disturbed lands.

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 east.



Photo 2. East portion of disturbance within Mining Area 2; looking northwest.



Photo 3. Southwest portion of disturbance within Mining Area 2; looking northwest.



Photo 4. South portion of disturbance within Mining Area 1; looking southwest.



Photo 5. North portion of disturbance within Mining Area 1; looking north.



Photo 6. North portion of disturbance within Mining Area 1; looking south.

Inspection Contact Address

Gregory Larson
14977 Co. Rd. 97
Haxtun, CO 80731

Enclosure: 3-20-19 Inspection Map M2007012
Technical Revision Cover Sheet

CC: Michael Cunningham with DRMS

