



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: Gardels Pit	MINE/PROSPECTING ID#: M-2005-033	MINERAL: Sand and gravel	COUNTY: Larimer
INSPECTION TYPE: Monitoring	INSPECTOR(S): Jared L. Ebert	INSP. DATE: November 28, 2018	INSP. TIME: 09:50
OPERATOR: Coulson Excavating Company, Inc.	OPERATOR REPRESENTATIVE: Ken Coulson	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$291,800.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: December 10, 2018

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.

INSPECTION TOPIC: Hydrologic Balance

PROBLEM: A permanent plan for augmentation has not been obtained for the Pond 1 area. This is a problem related to 34-32.5-116(4)(h) of the Colorado Revised Statutes and 3.1.6(1)(a) of the Construction Materials Rules and Regulations governing injury to existing water rights.

CORRECTIVE ACTIONS: The Operator shall submit documentation to the Division that they have applied for a permanent plan for augmentation with the Office of the State Engineer by the corrective action due date.

CORRECTIVE ACTION DUE DATE: 2/04/19

OBSERVATIONS

This was a monitoring inspection of the Gardels Pit, Division of Reclamation, Mining and Safety ("DRMS" or "Division") permit number M-2005-033, operated by Coulson Excavating Company, Inc. ("Coulson"). I, Jared Ebert with DRMS conducted the inspection. Mr. Ken Coulson accompanied me during the inspection.

This is a 30 acre 112c mining operation located in Larimer County. The post-mining land use approved for the site was General Agriculture, however over time the reclamation plan has been revised with Technical Revision No. 1 (TR01). This revision changed the reclamation plan to allow for the creation of two lined water ponds (Ponds 2 and 3) to the west and one un-lined pond to the east (Pond 1). Mining is complete at the site and the area has been reclaimed.

Backfilling and Grading:

Ponds 1, 2 and 3 were observed. The slopes of the ponds have been graded and dense vegetation has established around each of the ponds.

Financial Warranty:

This Division currently holds a financial warranty in the amount of \$291,800.00 in the form of a corporate surety. An acreage reduction application was discussed with Mr. Coulson to release the lined ponds to the west. At this time a permanent plan for augmentation has not been obtained for the Pond 1 area. Given this, the Division would need to hold the current bond amount to cover the liability associated with Pond 1 and would not be able to reduce the surety at this time but would consider an acreage reduction for the Pond 2, Pond 3 and access corridor area.

Hydrologic Balance:

A permanent plan for augmentation has not been obtained for the Pond 1 area. This issue is cited as a problem at the beginning of this report. According to Mr. Coulson, they intend to submit an application for a permanent augmentation plan with the Office of the State Engineer for this site and several other areas in January of 2019. The Division will require the operator to submit documentation they have applied for a permanent augmentation plan by the corrective action date noted at the beginning of the report.

Gen. Compliance With Mine Plan:

Mining is complete at the site.

Reclamation Success:

Overall, the site has been reclaimed in accordance with the approved reclamation plan. However, Pond 1 has not been lined and will need to have a permanent plan for augmentation approved and in place prior to the Division's approval of a bond release of this area.

Revegetation:

The vegetation around the ponds is well established and in a releasable form at this time.

PHOTOGRAPHS



Figure 1. From the south end of Pond 1 looking north.



Figure 2. From the southeast corner of Pond 2, looking northwest.



Figure 3. From the east side of Pond 3, looking southwest.



Figure 4. Access corridor between Pond 3 and Pond 2.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>PB</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</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>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

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

Inspection Contact Address

Ken Coulson
Coulson Excavating Company, Inc.
3609 North County Road 13
Loveland, CO 80538

EC: Peter Wayland, pwayland@weilandinc.com