




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: Green/Croissant Property Mine	MINE/PROSPECTING ID#: M-2001-022	MINERAL: Sand and gravel	COUNTY: Weld
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Peter S. Hays	INSP. DATE: November 17, 2016	INSP. TIME: 10:00
OPERATOR: Loveland Ready Mix Concrete, Inc.	OPERATOR REPRESENTATIVE: Stephanie Fancher, Mike McDermid	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Pre-Operation Inspection	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$350,900.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 28, 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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</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>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>N</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 an amendment application (AM-01) pre-operational inspection of the Green/Croissant Property Sand and Gravel Mine site conducted by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS). Mrs. Stephanie Fancher with Loveland Ready Mix Concrete, Inc. and Mr. Mike McDermid with Consulting Civil & Water Resources Engineering, LLC were present during the inspection.

The construction materials permit amendment application was received by the Division on August 25, 2016. The application was deemed complete on October 5, 2016. The Applicant published public notice as required by Rule 1.6.2(d) for four consecutive weeks. The last notice was published on November 3, 2016. The public comment for the application ended on November 23, 2016. No objections were received by the Division during the public comment period. The notice sign was observed during the inspection as required by Rule 1.6.2(b). The decision due date for the amendment application is January 3, 2017.

The amendment application proposes changing the post-mining land use for the western portion of the site from agricultural and wildlife habitat to industrial/commercial. The western portion of the site is owned by Loveland Ready Mix Concrete, Inc. The change in post-mining land use would allow the Operator to operate the concrete batch plant at the current location long term. Material would be imported to the site from other mine sites once the mining reserve is exhausted from the eastern leased portion of the operation. The Operator is in the process of rezoning the western portion of the mine site to industrial/commercial with Weld County.

The Green/Croissant site is a 92.90 acre construction materials mining operation. The site was active during the inspection. The concrete batch plant was operational and mining was occurring in Cell 4. Mining activity is complete in Cells 1, 2 and 3. Cell 1 is used as a source for wash water for processing activities. Cell 2 is divided into 3 sections. The western portion of Cell 2 is completely backfilled and is used for the recycled concrete operation and recycled concrete stockpile storage. The middle portion of Cell 2 is being backfilled with wash fines and recycled concrete. The peninsula of material between the middle and eastern portions of Cell 2 will be mined before the eastern portion of Cell 2 is backfilled with wash fines. The eastern portion of Cell 2 is used as a settling pond with a pump located in the northeastern corner of the pond. The shorelines of Cell 3 were estimated at the required 3H:1V slopes. The mining excavation in Cell 4 is ongoing. The Operator estimates nine (9) months of material remains in the cell. Dewatering trenches and pumps were observed during the inspection. Overburden and topsoil was stockpiled adjacent to the excavation. Sections of the northern slope of the cell were regraded to the required 3H:1V slope.

The Division currently holds a financial warranty in the amount of \$350,400.00. The required financial warranty amount will be evaluated as part of the amendment application review. Photographs taken during the inspection are attached. The amendment application adequacy letter will be sent under separate cover.

PHOTOGRAPHS



Green Croissant mine sign



AM-01 notice sign



Eastern Cell 2 looking west at backfilled cell



View of backfill in eastern Cell 2



View of concrete stockpile in eastern Cell 2



View of north slope of Cell 3 looking west



View of Cell 3 looking southwest



View of east slope of Cell 3 looking south



View of Cell 4 looking NW from south side of cell



View of Cell 4 looking north from south side of cell



View of Cell 4 looking NE from south side of cell

Inspection Contact Address

Stephanie Fancher
Loveland Ready Mix Concrete, Inc.
P.O. Box 299
Loveland, CO 80539

Ec: Wally Erickson, DRMS