


**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: Chartier Pit	MINE/PROSPECTING ID#: M-1984-040	MINERAL: Sand and gravel	COUNTY: Morgan
INSPECTION TYPE: Monitoring	INSPECTOR(S): Jared L. Ebert	INSP. DATE: August 10, 2017	INSP. TIME: 11:00
OPERATOR: Larry L Chartier	OPERATOR REPRESENTATIVE: Larry Chartier	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$2,500.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: August 14, 2017

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: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: Two of the affected area boundary markers are missing. The northeast corner marker of the original permit area and the northwest corner marker for the Amendment No. 1 expansion area was missing. This is a problem for failure to maintain boundary markers around the affected area as required by Section 3.1.12(2) of the rule.

CORRECTIVE ACTIONS: The operator shall conduct a survey and replace the boundary markers in the correct location(s). The operator shall provide proof to the Division that this has been done by the corrective action date.

CORRECTIVE ACTION DUE DATE: 9/13/17

OBSERVATIONS

This was a monitoring inspection of the Chartier Pit, DRMS Permit No. M-1984-040 operated by Larry L. Chartier (Operator). I, Jared Ebert of the Colorado Division of Reclamation, Mining and Safety (Division) conducted the inspection. Mr. Chartier accompanied me during the inspection.

This is a 9.9 acre 110c mining operation for sand and gravel in Morgan County.

Backfilling and Grading:

The site consists of a 6.5 acre open groundwater pond/pit area. It appears the Operator has placed a small berm of topsoil on both the north and south sides of the pond. The berms are vegetated with grasses and annual vegetation. It appears the Operator has excavated a small area on the east side of the pond and has stockpiled material adjacent to the access road to the site. The slopes into the pond are stable with dense vegetation.

Some minor flood damage was observed on the west side of the pit. It appears flood waters entered the pit near the northwest corner of the site cutting a gully and a small hole in this area. Mr. Chartier indicated he intended to repair this area and build up a small berm at this location to hopefully prevent or limit future flood damage.

Fish and Wildlife:

The post mine land use for the site is designated as recreation. The Colorado Division of Parks and Wildlife (CPW) operate a State Wildlife Area that encompasses this site. Access to the site is limited to foot travel by the public from two gates. According to Mr. Chartier, CPW stocks the pond with fish. At the time of the inspection, two individuals were fishing at the site.

Gen. Compliance With Mine Plan:

Mining at the site is intermittent and the Operator primarily pulls material from an existing stockpile on site when needed. A small recently excavated area exists on the east side of the pond where the Operator pulled "pit-run" material for the current stockpile.

Off-site Damage:

No offsite damage was noted.

Reclamation Success:

Dense vegetation has established around the existing pit excavation, mature trees and grasses have established throughout the site.

Revegetation:

Tamarisk trees and Russian olive trees were observed throughout the site and in the surrounding area. These trees are designated a noxious weeds and should be managed. It appears some of these trees have been mechanically removed at placed near the eastern shoreline of the pond. According to Mr. Chartier, CPW has conducted some noxious tree removal at the site. Mr. Chartier is encouraged to work with CPW on noxious weed management at the site.

Signs and Markers:

The Operator was approved for a 1.5 acre permit area expansion with the approval of Amendment No. 1 (AM01) in April of 2012. The Operator had marked the corners of the permit area with metal posts. The northeast corner marker of the original permit area and the northwest corner marker for the AM01 expansion area was missing. This issue is cited as a problem at the beginning of the report and will require corrective action to be taken by the Operator.

PHOTOGRAPHS



Figure 1. Small stockpile of "pit-run" material east of the current pit area.



Figure 2. View from the southeast corner of the pit looking southwest.



Figure 3. From the east end of the pond looking north.



Figure 4. From the northeast end of the pond looking southwest.



Figure 5. From the northwest corner of the pit looking south.

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>Y</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>PB</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <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

Inspection Contact Address

Larry Chartier
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Brush, CO 80723

Enclosure: None

CC: None