



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: Chris Aageson Pit #2	MINE/PROSPECTING ID#: M-2000-084	MINERAL: Gravel	COUNTY: Washington
INSPECTION TYPE: Monitoring	INSPECTOR(S): Brock F. Bowles	INSP. DATE: August 14, 2019	INSP. TIME: 11:00
OPERATOR: Washington County	OPERATOR REPRESENTATIVE: Robert Frick	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 3, 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.

INSPECTION TOPIC: Off-site Damage

PROBLEM/POSSIBLE VIOLATION: Possible Violation: Land has been affected outside of the approved permit boundary. This is a possible violation at this time pursuant to C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation.

CORRECTIVE ACTIONS: This possible violation will require a hearing before the Mined Land Reclamation Board. The schedule and other details for the MLRB hearing will be provided under a separate document to be sent via certified mail to the operator.

CORRECTIVE ACTION DUE DATE: 9/27/19

OBSERVATIONS

The inspection was conducted by Brock Bowles of the Division of Reclamation, Mining and Safety (Division). Robert Frick of Washington County (County) was present for the inspection. The Chris Aagesen Pit is located approximately 17 miles northeast of Otis, Colorado. The site is an active 110c operation with 9.9 acres permitted and the post-mining land use is rangeland. This inspection was carried out as a part of the Division's routine monitoring inspection program. At the time of the inspection it was warm, breezy, clear and the ground was dry. Standing water was in the creek bed.

The mine identification sign was in place at the mine entrance and legible. Two permit boundary markers were missing in the northwest corner of the permit boundary. The County replaced the markers the day after this inspection and sent pictures to verify markers were installed before this report was written. The Division appreciates the County's prompt response to this issue. No mining activities were occurring during the time of the inspection. A road grader was parked on site.

The slopes of the pit have been graded to 3H:1V. The topsoil pile has been re-distributed around the pit. Since the grading and topsoil re-distribution, heavy rains have caused some large rills and gullies across the reclaimed area. The rills and gullies will need to be repaired before seeding. A large sediment plume was noted in the creek bottom. The source of the sediment was from the county gravel road which is outside the permit boundary.

Vegetation was growing on the reclaimed area, but the vegetation was volunteer. The area has not been seeded with the reclamation seed mix yet. According to the County, final grading and seeding have been delayed due to an exceptionally wet summer.

During the inspection, it was noted that an area outside the permit boundary was disturbed as part of mine related activities. The area is located by the southeast corner of the permit area and measures 150' x 325' or 1.1 acres (see Figure 1 below). The nature of the disturbance is surface disturbance and it does not appear that any mining has taken place in this area. The disturbance appears to have been created while contouring the pit area to its final configuration during the reclamation process. The affected area was graded to blend in with the mine area and surrounding landscape. A few rills and gullies need to be repaired and the area will need to be seeded with the approved seedmix. This matter has been cited as a possible violation; please see the first page of the report for additional details.

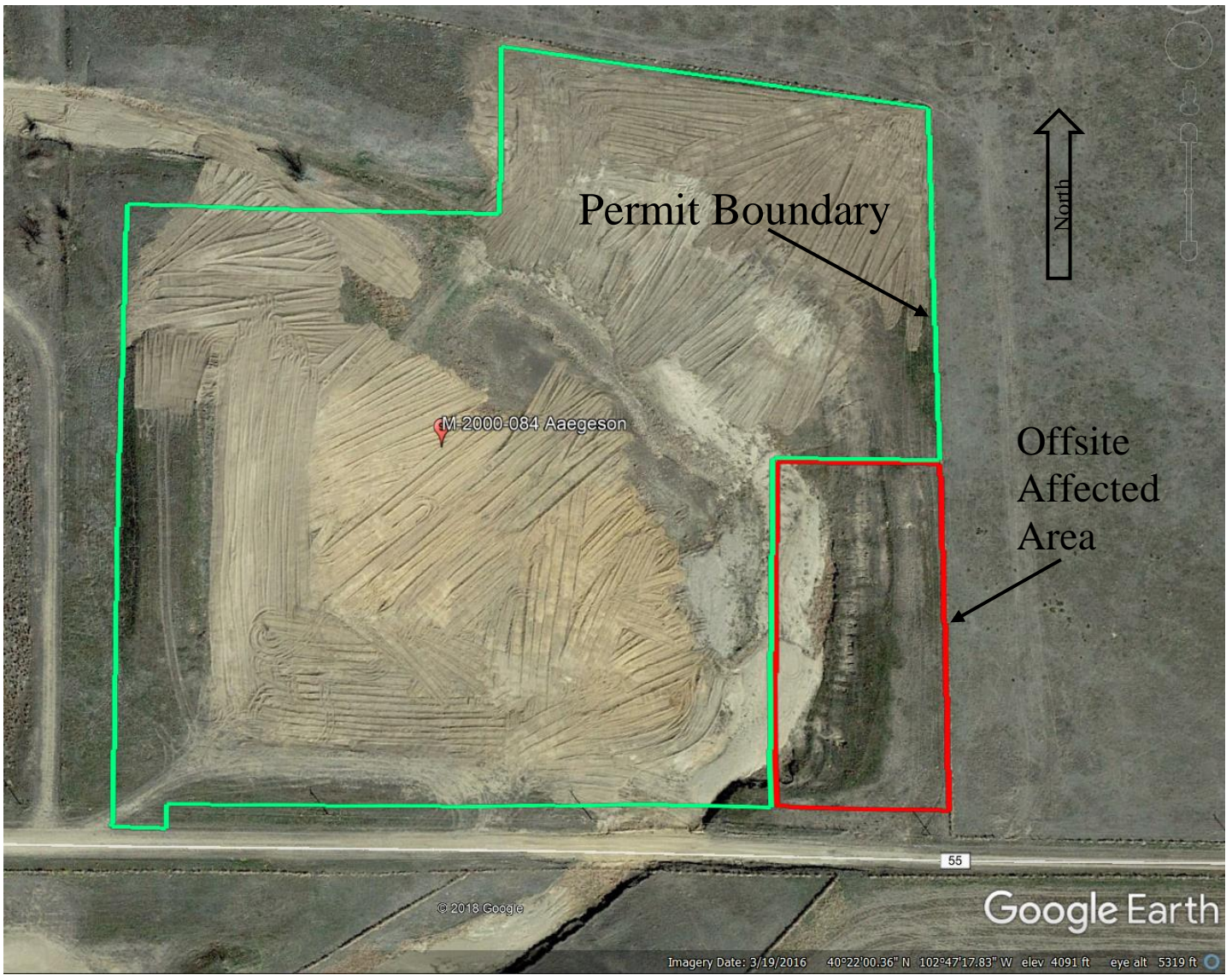


Figure 1 – Location of Offsite Affected Area (outlined in red, 1.1 acres)

PHOTOGRAPHS



Entrance sign facing north



Topsoil stockpile footprint area facing north



Slopes graded 3H:1V and volunteer vegetation, facing south



Approximate location of permit boundary, facing north. Foreground is outside permit boundary.



Boundary markers installed by County, facing north. Area to right is outside permit boundary. Photo provided by County.

GENERAL INSPECTION TOPICS

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

(AR) RECORDS----- <u>N</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</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>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</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>PV</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

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