




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety 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.

<b>MINE NAME:</b> Pickering Family Pit	<b>MINE/PROSPECTING ID#:</b> M-2009-086	<b>MINERAL:</b> Gravel and sand	<b>COUNTY:</b> Grand
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> August 15, 2019	<b>INSP. TIME:</b> 11:30
<b>OPERATOR:</b> Flintstone Gravel & Trucking, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Ted Pratt	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$64,000.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> September 12, 2019	

**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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</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>	(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

## OBSERVATIONS

The Pickering Family Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on October 9, 2015. Mr. Ted Pratt with Flintstone Gravel & Trucking, Inc. was present during the inspection.

The site is an 112c operation permitted for 19.90 acres of total disturbance with 15 acres for the pit and 4.9 acres for the access road. The site was active during the inspection. The processing plant was operating and material was being mined from the current highwall located in the southern half of Mining Phase 1B. Stockpiles of various processed materials were located in the northern portion of Phase 1A and in the northwest corner of Phase 1B. The current pit excavation was 35 feet in depth according to the Operator. The Operator stated the site would be mined an additional 18 feet down. Phase 1A (east side) would be mined to the final depth followed by Phase 1B (west side). The approved Mining Plan states both phases will be mined from the original elevation of 8150' to the final elevation of 8110' in 20 feet benches for a total depth of 40 feet. The Division will require the Operator to submit a technical revision to modify the Mine Plan to allow excavation below 40 feet from the original grade. The Operator stated the planned 53' final elevation is 3 feet above the groundwater elevation. The Operator stated they are planning to expand the site and were aware of the requirement to submit an amendment application pursuant to Rule 1.10.1. The pit floor was dry and no erosion features were observed during the inspection.

The approved post-mining land use for the site is pastureland. The Operator regraded approximately 300 feet of the south highwall in the southwest corner of Phase 1A to the approved 3H:1V slope. The regraded area had not been topsoiled or seeded at the time of the inspection. The site is stripped of topsoil and overburden. The topsoil was placed along the western boundary creating a visual berm as required by Grand County and in the northeast corner of the site. Imported topsoil was used to construct a berm along the remainder of the eastern boundary since the last inspection. The topsoil stockpiles were adequately vegetated and appeared stable. The overburden was stored along the southern boundary. The overburden stockpile was adequately vegetated and appeared stable.

The mine sign and boundary markers were observed as required by Rule 3.1.12. The mine sign was located on the left side of the access road as the road enters the mining area and was faded making it difficult to read. Rule 3.1.12 states the mine sign should be placed at the entrance of the mine site and be clearly visible from the access road. The Division will require the Operator relocated the mine sign near the entrance gate off of County Road 61. The Operator showed a template to repaint the existing sign for better visibility.

The Division holds a financial warranty in the amount of \$64,000.00. The Division calculated the required financial warranty based on the observations from this inspection at \$144,000.00, an increase of \$80,000.00. A copy of the updated cost estimate is attached for review. The Division will allow the Operator 30 days from the signature date of this inspection report to review and respond to the increased financial cost estimate prior to the Division issuing the notice of surety increase letter.

Photographs taken during the inspection and an inspection map based on the observations from the inspection are attached. 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 x 8124, or by email at [peter.hays@state.co.us](mailto:peter.hays@state.co.us).

## PHOTOGRAPHS



Pickering Family Pit mine sign



View of the site from the northeast corner looking west



View of the site from the northeast corner looking southwest



View of the site from the northeast corner looking south



View of mining and processing from the highwall in the southeast corner of Phase 1B



View of the site from the southwest corner looking north



View of the site from the southwest corner looking northeast



View of the site from the southwest corner looking east



View of the site from the northwest corner looking southeast

**Inspection Contact Address**

Ted Pratt  
Flintstone Gravel & Trucking, Inc.  
1204 CR 60  
Granby, CO 80446

Enclosure – Inspection Map, 2019 Bond Estimate









Ec: Michael Cunningham, DRMS

# Pickering Family Pit

M-2009-086

August 15, 2019 Inspection Map

## Legend

-  Approx. Active Highwall Location
-  Backfilled 3H:1V Slope
-  Overburden Stockpile
-  Pickering Family Pit
-  Pickering Permit Boundary
-  Recycled Asphalt Stockpile
-  Recycled Concrete Stockpile
-  Topsoil Stockpile

Google Earth

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400 ft