




**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> Pre-Operation Inspection	<b>INSPECTOR(S):</b> Peter Hays	<b>INSP. DATE:</b> July 22, 2022	<b>INSP. TIME:</b> 14:00
<b>OPERATOR:</b> Flintstone Gravel Pit Inc.	<b>OPERATOR REPRESENTATIVE:</b> Nick Waldow	<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> \$96,100.00	
<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> August 17, 2022	

**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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</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>N</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

This was a pre-operational inspection for the Pickering Family Pit amendment application (AM1) conducted by Peter Hays and Brock Bowles with the Division of Reclamation, Mining and Safety (Division/DRMS). Mr. Nick Waldow with Flintstone Gravel Pit Inc. was present during the inspection.

The 112c construction materials permit amendment application was received by the Division on April 21, 2022. The amendment application was deemed complete on June 9, 2022. The decision date is September 7, 2022. The Applicant published public notice as required by Rule 1.6.2(d) for four consecutive weeks. The last notice was published on July 7, 2022. The public comment period for the amendment application ended on July 27, 2022. No objections were received by the Division during the comment period. The required notice sign was posted at the entrance of the site as required by Rule 1.6.2(b).

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 amendment application proposes to add 16.84 acres to the currently approved site for a total permit area of 36.74 acres. The vegetation in the expansion area is dominated by sagebrush. The presence of sagebrush in the amendment area was verified during the inspection.

The proposed amendment area would be mined in the same manner as the existing operation. The excavated material would be removed and transported to the processing area with front-end loaders. Material processing would occur on-site. The materials would be screened and crushed and transported off-site or taken to a wash plant for further processing.

The excavation equipment would consist of front-end loaders, dozers, backhoes, graders, excavators and gravel trucks. The processing equipment would consist of a jaw crusher, cone crusher and screening plant with related conveyor belt systems to service the crushers and screen plant. The Applicant was approved by the Grand County Board of County Commissioners to include a portable asphalt batch plant and/or a portable concrete plant at a later date. This approval is part of the Special Use Permit approved on February 1, 2022.

The mining operation is a dry operation. Groundwater is believed to be approximately 60 to 75 feet below the surface. This operation will not expose groundwater during the mining of the site. The current mining operation determined mining could go as deep as 55 feet while still remain approximately 5 feet above the groundwater elevation.

The mining operation began in Phase 1 in the spring of 2010 and has continuously been mined including Phase II for the past 12 years. It is estimated there is less than a year of material available in the current 15 acre parcel and expansion would begin to Phase III in order to continue the mining operation. The Operator estimates approximately 1.5 to 2.0 acres would be mined per year. The mining activities would continue in a counter-clockwise direction from Phase III into Phases IV thru VII. The topsoil and overburden would be stripped from each mining phase ahead of mining excavation and stockpiled around the perimeter of the permitted area. A twenty-five (25) foot offset will be maintained from the permit boundary.

The approved post-mining land use for the site is pastureland. All perimeter slopes will be mined to the final 3H:1V slope. No backfilling will occur on the final slopes. The Operator would replace approximately four (4) inches of topsoil over the entire site. Fertilizer or other soil amendments would be added to the replaced topsoil, if soil tests indicate the requirement for soil amendments. The local SCS may be contacted to determine their recommendations prior to topsoil replacement. No changes to the currently approved seed mixture were proposed in the amendment application.

The site was active during the inspection. The processing plant was operating and material was being mined from the current highwall located in the southeast corner of Phase 1. Stockpiles of various processed materials were located in the northern portion of Phase 1 and in the southwest corner of Phase II. The current pit excavation was estimated at 55 feet in depth by the Operator. The pit floor was dry and no erosion features were observed during the inspection.

The existing site was 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. Additional, imported topsoil was observed in the northeast corner of the existing site. The perimeter 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 existing perimeter stockpiles will be relocated to the amendment area permit boundary prior to mining each phase.

The Operator is recycling asphalt and concrete on-site. The processing area and stockpiles were observed in the northeast corner of Phase I. The Operator was reminded of the requirement to remove all recycled materials from the site and to not use the materials for reclamation. Equipment and debris were also observed in the northeast corner of Phase I. The Operator was reminded of the requirement to remove the equipment and debris from the site.

The Division's amendment application adequacy review letter was sent to the Operator on August 10, 2022. The Operator has not submitted a response to the adequacy review letter as of the date of this report.

The Division holds a financial warranty in the amount of \$64,000.00. The Division calculated the required financial warranty for the amendment application at \$160,000.00, an increase of \$96,000.00. A copy of the cost estimate was sent to the Applicant for review with the adequacy letter. The Applicant accepted the Division's estimate and will be required to post the additional financial warranty amount prior to issuance of the amendment application by the Division.

No unidentified structures were observed during the inspection. The Applicant has obtained structure agreements for all man-made structures within 200 feet of the affected land boundary.

The mine sign and boundary markers for the permitted and proposed amendment boundaries were observed as required by Rule 3.1.12.

Photographs taken during the inspection are attached. If you need additional information or have any questions, please contact me at the 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).

**Inspection Contact Address**

Nick Waldow  
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500 CR 61  
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Ec: Jared Ebert, DRMS



## PHOTOGRAPHS



Pickering Family Pit mine sign



Pickering Family Pit amendment application notice sign



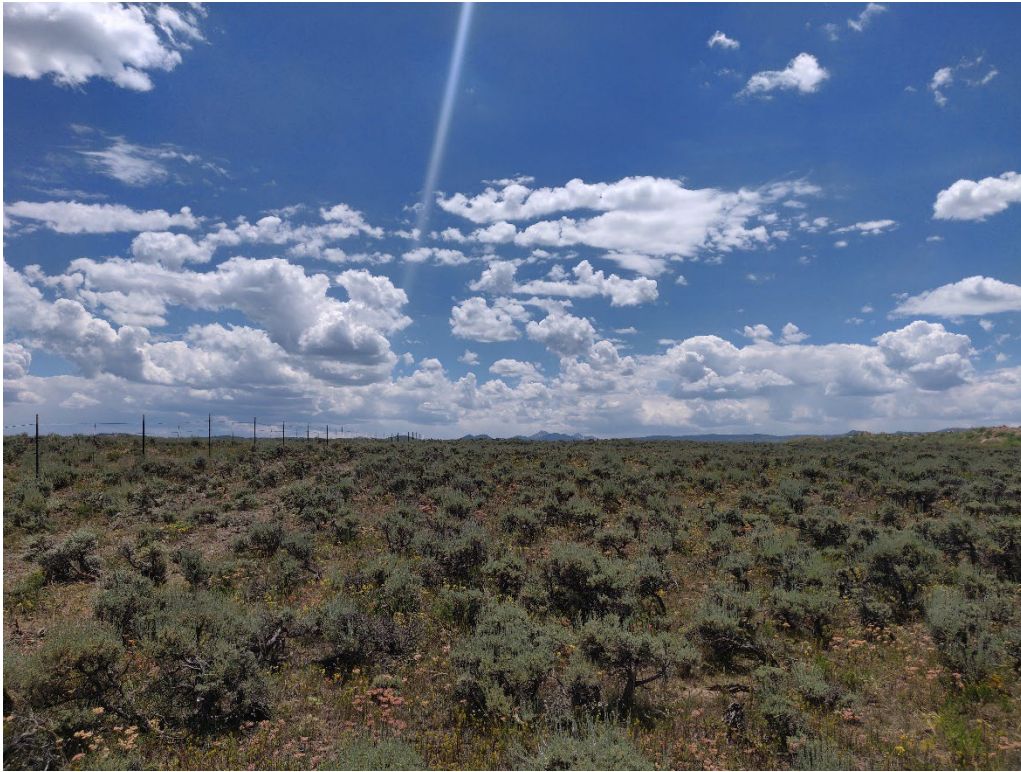


View from the NW corner of the amendment area looking southeast



View from the NE corner of the amendment area looking southwest





View of the eastern portion of the amendment area looking south



View from the SW corner of the amendment area looking east





View of the current highwall and processing area located in the southeast corner of Phase I



View of the southwest corner of Phase II





View of the northwest corner of Phase II



View of the northeast corner of Phase I





View of the asphalt recycling area located in the northeast corner of Phase I



View of the concrete recycling area located in the northeast corner of Phase I