




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.

MINE NAME: Kattenberg Pit	MINE/PROSPECTING ID#: M-2004-017	MINERAL: Sand and gravel	COUNTY: Grand
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter Hays	INSP. DATE: June 16, 2020	INSP. TIME: 10:00
OPERATOR: Granby Sand & Gravel, LLC	OPERATOR REPRESENTATIVE: David Marshall	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$59,900.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 6, 2020

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: Backfilling & Grading

PROBLEM: The approved Mine Plan requires the Operator to maintain a 25 foot offset from the property line and mine the perimeter at the final 3H:1V slope. The northeastern highwall previously repaired by a former Operator has eroded to within 2 feet of the permit boundary and exceeds the approved perimeter mined slope of 3H:1V.

CORRECTIVE ACTIONS: The Division will require the Operator to backfill the highwall to establish the required 25 foot offset from the eastern boundary and the required 3H:1V slope and provide evidence within 30 days of the mailing date of this report.

CORRECTIVE ACTION DUE DATE: 8/5/20

INSPECTION TOPIC: Signs & Markers

PROBLEM: The affected area boundary markers are missing or incorrectly placed. This is a problem for failure to maintain boundary markers around the affected area as required by Rule 3.1.12(2).

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: 8/5/20

OBSERVATIONS

The Kattenberg Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program and as required by the Transfer of Permit and Succession of Operators process pursuant to Rule 1.12. Mr. Dave Marshall with ESCO Construction Co. (ESCO) was present during the inspection. The site was previously inspected by the Division on April 22, 2016. A map based on the observations from this inspection and the latest available Google Earth image is attached for reference.

The site is an 112c operation permitted for 38.65 acres with 33.39 acres of disturbance. The site was active during the inspection. Mining operations were occurring during the inspection including; mining excavation, material processing, stockpiled material removal by haul trucks and topsoil screening operations. A processing plant was observed in the northern portion of the current pit floor. The current mining area located in the northwest corner of the site was estimated at 25 to 30 feet deep with near vertical highwalls. The active 15 feet high highwall will proceed to the east at the current northwest pit floor elevation. The Operator reported 14.23 acres of disturbance in the 2020 annual report. No washing operations were occurring at the site. The Operator stated the stockpiles of concrete and asphalt located south of the mining excavation area would be reprocessed and removed from the site.

As cited as a problem, the Division will required the Operator to backfill the highwall in the northeast corner of the site to reestablish the required 25 foot offset from the eastern boundary and the required 3H:1V perimeter slope. The slope was backfilled in 2016 by a previous Operator (Willits) to comply with a problem cited by the Division in 2015. The current Operator stated the backfilled highwall eroded over the past winter. Backfill material was stockpiled on the pit floor below the highwall. The Operator stated appropriate equipment would be mobilized soon to backfill the highwall. The Division recommends the highwall is backfilled with moisture conditioned material and compactive effort to prevent the highwall from eroding again.

As cited as a problem, the northern permit boundary markers could not be located during the inspection. The current mining activity is occurring within 5 feet of a fence along the northern boundary of the excavation, however based in the approved Mining Plan Map the northern permit boundary appears to be approximately 50 feet north of the fence line. The Operator will be required to 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.

The old mining disturbance area contained scrap metal, trees and old tires. The Operator stated they were aware the material would need to be removed from the site and could not be used as backfill materials.

On June 6, 2020, ESCO submitted a Transfer of Permit and Succession of Operators Application Form (SO-02) and selected the option to maintain the right to a decision within 30 days. ESCO was required to replace the existing financial warranty in the amount of \$59,900.00 to maintain the right to a decision within 30 days. The Division called the application complete on June 19, 2020. The SO application is under review by the Division and will be approved by July 20, 2020 following the acceptance of the financial and performance warranties.

The Division is required to inspect the site and recalculate the reclamation bond within 60 days from the date of the transfer is approved by the Division. The Division will calculate the required financial warranty based on this inspection and notify ESCO of the financial warranty amount and provide a copy of the Division's calculations under separate cover. The Division estimated the total current disturbance at 18.9 acres, which will be used to calculate the required financial warranty. ESCO will have 60 days from the date of the letter to submit the increase financial warranty, if required, per Rule 4.2.

The mine sign was observed as required by Rule 3.1.12. ESCO Construction purchased Granby Sand & Gravel, LLC in January 2020 from the previous Operator, therefore the current sign is acceptable.

No noxious weeds were observed during the inspection. A noxious weed control plan is approved for the site.

The approved post-mining land use for the site is rangeland. Overburden stockpiles were observed along the north boundary and in the southeast corner of the site. The topsoil stockpile observed during previous inspection located in the northwest corner of the site was relocated to the southeast corner of the site to allow for mining excavation in the area. The Operator stated the on-site and imported topsoil were being screened and sold. The Operator was reminded of the requirement to maintain enough topsoil on-site to complete reclamation. The approved Reclamation Plan states 6 to 8 inches of topsoil will be salvaged and replaced during reclamation.

Photographs taken during 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.

PHOTOGRAPHS



Kattenburg Pit mine sign



View of the current mining operation in the northwest corner of the site looking east



View of the current mining operation from the northwest corner of the site looking northeast



View of the current mining operation from the northwest corner of the site looking east



View of the current mining operation from the northwest corner of the site looking southeast



View of the tires, scrap metal and trees in the old mine pit



View of the topsoil screening operation



View of the site from the overburden stockpile in the southeast corner of the site looking northwest



View of the eroded highwall in the northeast corner of the site looking south



View of the site from the northeast corner looking south



View of the site from the northeast corner looking southwest



View of the site from the northeast corner looking west

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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>PB</u>	(EX) EXPLOSIVES----- <u>N</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>N</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <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

Inspection Contact Address

Dave Marshall
ESCO Sand and Gravel, LLC
3540 Evergreen Parkway
Evergreen, CO 80437

Enclosure – Inspection Map

Ec: Jared Ebert, DRMS

June 16, 2020 Inspection Map

June 16, 2020 Inspection Map

June 16, 2020 Inspection Map

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
Kattenberg Pit

Concrete Recycling Area

📍 Old Mining Pit with tires, trees and scrap metal

Asphalt Recycling Area

Little Ho Rd

 Topsoil Stockpile and Screening Area

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800 ft

