



STATE OF
COLORADO

Ridley - DNR, Hunter <hunter.ridley@state.co.us>

Alpine Aggregates inspection

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Tue, Apr 11, 2023 at 10:58
AM

To: Ed - Native Excavating <ed.macarthur@nativeexcavating.com>

Ed,

It was great to meet you last month. Please find attached the Division's inspection report for your review. Let me know if you have any questions or concerns.

Kind regards,
Hunter Ridley
Environmental Protection Specialist



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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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: Steamboat Sand and Gravel Pit	MINE/PROSPECTING ID#: M-2001-090	MINERAL: Sand and gravel	COUNTY: Routt
INSPECTION TYPE: Monitoring	WEATHER: Cloudy	INSP. DATE: March 30, 2023	INSP. TIME: 14:00
OPERATOR: Alpine Aggregates, LLC	OPERATOR REPRESENTATIVE:	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial	BOND AMOUNT: \$422,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
INSPECTOR(S): Hunter Ridley Michael Cunningham	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 11, 2023

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: Gen. Compliance With Mine Plan

PROBLEM/POSSIBLE VIOLATION: Problem: Failure to follow approved reclamation plan, or current reclamation plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-116 (1). The operator must follow approved reclamation plan or provide sufficient information to describe or identify how the operator intends to conduct reclamation.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved reclamation plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 7/05/23

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>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>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</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>Y</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted as part of the Colorado Division of Reclamation, Mining and Safety normal monitoring program. Steamboat Sand and Gravel Pit is a 112c permitted site that includes a total of 109.97 permitted acres of which approximately 24.5 are currently disturbed. It is located approximately 8 miles south of Steamboat Springs, CO and is accessed from Highway 131. Ed McArthur represented Alpine Aggregates, LLC and accompanied Hunter Ridley and Michael Cunningham of the Division on the inspection.

The mine identification sign (Photo 1) and affected area boundary markers are in place and in compliance with Rule 3.1.12. T -posts with 10 ft tall white PVC have been placed approximately every 100 ft to delineate permit boundaries and make it easy to follow the irregular shape. The current mining operation is in the southeast portion of the permit boundary in Phase 1A and to the north in Phase 2. The operator stated that Phase 3 is likely to begin this summer. Phase 1 to the southeast has been partially reclaimed to its final use as a pond (Photos 2 and 3). Tree planting in this phase is planned for the spring. There is slight loss of groundwater in this pond due to the nature of the sand and gravel substrate, so the pond is kept full by use of operator owned water rights from nearby Suttle Ditch (Photo 3).

A perimeter ditch surrounds active phase pits to carry water from the sump pump away. The pumped water is discharged into a community irrigation ditch which flows through the rest of the property to downstream users. This ditch feature reports to two separate NPDES permits off the property boundary and is a permanent feature in the final reclamation plan.

There are two main processing areas in the Phase 1A pit. A topsoil screen is located on the southeast portion and a crusher makes road base on the northwest portion of the pit. The site was active at the time of inspection. Several stockpiles are stored neatly according to size class. Additional piles of topsoil are brought in from various offsite jobs and sold to the public or hauled off for later use (Photo 4). Piles of asphalt and

concrete generated off-site will be crushed and screened then sent back off-site for future use. As per the operator's county permit and approved mine plan, none of this material will be used onsite for inert fill.

Work on Phase 2 to the north has begun since the last inspection (Photos 5 and 6). A pump works to actively dewater this pit (Photo 7). The operator stated that enough backfill is entering the site so as to potentially provide enough material to completely fill in Phase 2. Therefore, the operator stated that this pit will either be completely filled in or partially filled in, creating a smaller pond than is approved with the current reclamation plan. Pursuant to C.R.S. 34-32.5-116 (1), the Division is citing a problem for failure to follow the approved reclamation plan. Corrective action will require submittal of a Technical Revision and the required fee to the Division by the corrective action due date of 7/05/23. This problem was discussed with the operator at the time of inspection.

The Division currently holds a financial warranty amount of \$422,000 for this site. The bond was last updated post inspection in 2015. In an effort to ensure the Financial Warranty adequately reflects the actual current cost of fulfilling the requirements of the approved reclamation plan, the Division has updated the reclamation cost estimate. The Division has found the current bond to be adequate. No violations were noted during this inspection.

Responses to this inspection report should be directed to: Hunter Ridley at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 720-868-7757 or via email at hunter.ridley@state.co.us

PHOTOGRAPHS



Photo 1: A mine identification sign is located at the entrance gates to the operation.



Photo 2: View east of the partially reclaimed Phase 1 area. Tree planting in this area is scheduled to begin in the spring.



Photo 3: View south of the partially reclaimed Phase 1 pond area. The ditch which supports the water rights used to keep this pond full is located to the far south of the photo.



Photo 4: View east of the gravel and backfill stockpile area. The back of the topsoil pile visible to the north is fully reclaimed. The main processing area is to the south.



Photo 5: View north of the recently excavated Phase 2 area.



Photo 6: View southwest, looking into the Phase 2 pit.



Photo 7: View west of Phase 2 area, shows pump which is actively dewatering this pit.

Inspection Contact Address

Ed MacArthur
Alpine Aggregates, LLC
1878 13th Street
Steamboat Springs, CO 80487

CC: Michael Cunningham, DRMS