




**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.

<b>MINE NAME:</b> Deer Trail Pit	<b>MINE/PROSPECTING ID#:</b> M-1988-090	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Arapahoe
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Patrick Lennberg	<b>INSP. DATE:</b> July 2, 2019	<b>INSP. TIME:</b> 12:00
<b>OPERATOR:</b> 5A Aggregate LLC	<b>OPERATOR REPRESENTATIVE:</b> Chad Hrbek and Don Fort	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$32,702.00	
<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> July 8, 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>N</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>N</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>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>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

## **OBSERVATIONS**

The Deer Trail Pit was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as a follow up inspection related to problems that were cited in 2018 and notification from the Operator that earthwork at the cited was nearing completion. The site was previously inspected by the Division in February and September 2018 as part of the Division's routine monitoring program. Chad Hrbek and Don Fort, representing the Operator, accompanied me during the inspection. The weather was warm, and the sky was clear.

The Deer Trail Pit is a 60 acre 112c mining operation located 1.5 miles southwest of Deer Trail, Colorado adjacent to County Road 213. Currently there is approximately 12 acres of affected land. The commodity mined at the site is sand and gravel and the approved post mining land use is pastureland.

The permit area encompasses a previous 110c mining operation and a 111c mining operation (M-1988-090 and M-1996-016 respectively). The former 110c area is located in the northeast corner of the site and this area is reclaimed and dense grass has established throughout the site. The majority of the affected area is located in the northwest corner of the site partially in the former 111c mining area. In 1996, the M-1988-090 permit was converted into the current 112c permit with the approval of a conversion application (CN-01). The mining and reclamation plan approved with CN-01 required the site to be mined in five acre phases (P-1 to P-5 etc.) with concurrent reclamation. The current affected area was measured to be about 12 acres and it encompasses portions of the P-1, P-2 and P-3 phase areas. The site consists of the western highwall that runs north and south adjacent to County Road 213. The southern highwall runs east and west near the southern edge of the P-1 and P-3 phase boundary.

In February 2018 the Division performed an inspection of the site and cited a couple problems. The first problem was failure to maintain a mine identification sign, which was abated in March 2019. The second problem was for failing to follow the approved mining and reclamation plan. Specifically, the approved plans indicate the Operator shall actively mine 5 acres, will actively replace overburden and construct the final slopes and spread topsoil on 5 acres and will be revegetating 5 acres. The Division requested that the highwall along the County Road 213 be backfilled and reclaimed as part of bringing the mine back into compliance.

As mentioned earlier this inspection was performed to determine the progress of the backfilling and reclamation. The Operator has backfilled the highwall along the County Road 213 to a 3H:1V slope or shallower. During the backfilling they were able to maintain a run on/off control berm at the top of what was the highwall. They plan on installing a swale or two along the slope to help mitigate any erosion that might begin before vegetation can be established. Once the highwall grading is complete they will move to an area in the southeast corner of the pit to grade out another area that has exposed highwalls that are not part of the mining face.

Jeremy Reichert with Adams County was also onsite during the last part of the inspection. Adams County is considering purchasing the property to aid in the County's road maintenance program. I informed Jeremy that the Division will withdraw the RTB notice and abate the problem cited in the previous inspection considering the progress that has been made backfilling the highwall. Hopefully Adams County can submit a Succession of Operators application in the near future and begin mining on the property.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us) if you have any questions regarding this report.

**Inspection Contact Address**

Richard Stokes  
5A Aggregate LLC  
3409 Monteclaire Dr,  
Sherman, TX 75092

Cc: Michael Cunningham, DRMS  
Ec: Chad Hrbek, [garecyclers@live.com](mailto:garecyclers@live.com)

**PHOTOGRAPHS**



**Photo 1:** Highwall along County Road 213 looking south (April 29, 2019)



**Photo 2:** Highwall along County Road 213 looking south (July 2, 2019)





**Photo 3:** Highwall along County Road 213 looking south (July 2, 2019)



**Photo 4:** Looking west across the pit at the highwall along the county road (April 29, 2019)



**Photo 5:** Looking west, mid-pit area, at the highwall along the county road (July 2, 2019)



**Photo 6:** Looking south along the backfilled area from the northeast toe of slope



