




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**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> Crossfire Bonds Gravel Pit	<b>MINE/PROSPECTING ID#:</b> M-2015-001	<b>MINERAL:</b> Gravel, sand	<b>COUNTY:</b> La Plata
<b>INSPECTION TYPE:</b> Preoperation Inspection	<b>INSPECTOR(S):</b> Bob Oswald	<b>INSP. DATE:</b> April 14, 2015	<b>INSP. TIME:</b> 13:15
<b>OPERATOR:</b> Crossfire Aggregate Services LLC	<b>OPERATOR REPRESENTATIVE:</b> Mary Anne Alexander	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Preoperation Inspection	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> None
<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> April 22, 2015

**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-----	NA	(FN) FINANCIAL WARRANTY-----	NA	(RD) ROADS-----	NA
(HB) HYDROLOGIC BALANCE-----	NA	(BG) BACKFILL & GRADING-----	NA	(EX) EXPLOSIVES-----	NA
(PW) PROCESSING WASTE/TAILING----	NA	(SF) PROCESSING FACILITIES-----	NA	(TS) TOPSOIL-----	NA
(MP) GENL MINE PLAN COMPLIANCE-	NA	(FW) FISH & WILDLIFE-----	NA	(RV) REVEGETATION----	NA
(SM) SIGNS AND MARKERS-----	NA	(SP) STORM WATER MGT PLAN----	NA	(SB) COMPLETE INSP----	Y
(ES) OVERBURDEN/DEV. WASTE-----	NA	(SC) EROSION/SEDIMENTATION---	NA	(RS) RECL PLAN/COMP--	NA
(AT) ACID OR TOXIC MATERIALS-----	NA	(OD) OFF-SITE DAMAGE-----	NA	(ST) STIPULATIONS-----	NA

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

## OBSERVATIONS

This was a pre-operation inspection conducted by the Division as part of its review of new Construction Materials Regular 112c permit application. The operator's representative named on page one was present throughout the inspection. Deb Koenig, also representing the operator, was present for a brief meeting at the site immediately after the inspection. Also present during the inspection were Peter Jensen and Gregg Donaldson, of Tegre Corporation (application agent for the operator). The site was not active on the day of the inspection. Access to the site for this inspection was gained on foot.

The required permit application notice was observed posted at the entrance gate to the proposed permitted area. The access road to the proposed permitted area does not exist yet; it will extend westward from the entrance gate on CR 213, and follow the south side of an existing fenceline to the toe of the mesa. It will cross an irrigation canal (on the existing concrete culverts) and cross an existing buried gas pipeline, before ramping up the slope of the mesa. The inclined portion of the access road does not exist yet either, and the road construction must be performed carefully to control drainage and contain sediment that may be generated. Since the access road will be constructed to support the extraction operation, it must be included in the permitted area.

Several markers were observed in the phased extraction area on the mesa top, indicating delineations between phases or the margins of the affected area. After the permit is issued for the site, the operator must post a permit ID sign at the entrance gate and post durable, visible markers at the affected area boundaries (per Construction Materials Rule 3.1.12). Since the boundaries are irregular and currently often obscured in the existing pinyon-juniper vegetation, the Division suggests that there should only be short distances between the markers to make the boundary more visible and help ensure that all mining-related disturbances remain inside the boundary.

The mesa top is gently sloping with a fairly uniform slope to the south. It is currently used as rangeland by the landowners' livestock. Several range improvements were observed, including (old) wire fences, earthen stockponds, clearings to reduce sagebrush, and limited removal of brush and woody vegetation. A few minor drainages exist on the mesa, all reporting to the southern edge of the mesa. There were some existing road cuts and a few old test pits which exposed the surface strata; soils appear generally to be deep, and there is an abundant depth of underlying cobbles. There is no evidence of topsoil damage from erosion. Besides the fences there were no structures observed on the permitted area.

Vegetation consists of extensive stands of mature pinyon and juniper with minimal undergrowth, and large created openings containing big sage, various species of cacti, grasses and forbs. Though the site is dry, it does not appear overgrazed or in declining condition. There were some annual weeds on older disturbances, but no noxious weeds were observed.

The operator understands that during all mining-related disturbance and development, the site must be monitored for weeds, erosion, and sediment, and the proper actions must be taken in a timely manner.

No further features were observed or discussed, and no problems were seen. For questions related to this report, please contact this inspector at the Division's Durango Field Office: telephone 970-247-5193, or 303-866-3567 ext 8175.

All written correspondence should be sent directly to the Division's Denver Office:  
Division of Reclamation, Mining & Safety  
1313 Sherman Street, Room 215  
Denver, CO 80203

**Inspection Contact Address**

Deb Koenig  
Crossfire Aggregate Services LLC  
820 Airport Road  
Durango, CO 81303

CC: Gregg Donaldson, Tegre Corp. (via email)

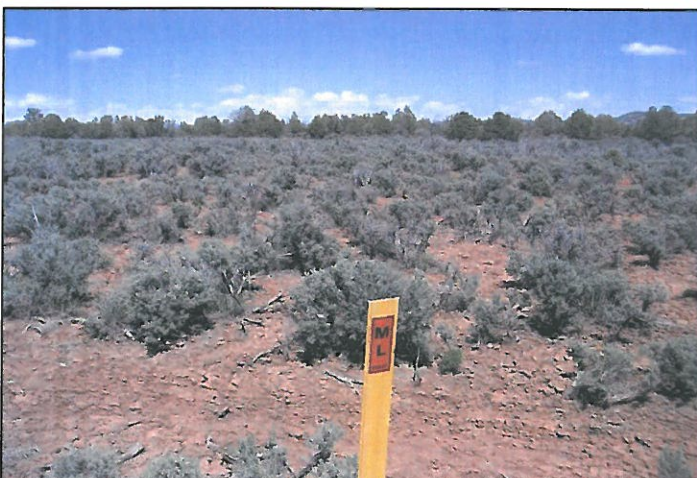
Photographs from the inspection appear below and on the following pages.

**PHOTOGRAPHS**





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