



COLORADO

Division of Reclamation,
Mining and Safety


Department of Natural Resources

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: Berthoud Pink Quarry	MINE/PROSPECTING ID#: M-1985-211	MINERAL: Sandstone (silica, st quartzite)	COUNTY: Larimer
INSPECTION TYPE: Monitoring	INSPECTOR(S): Jared L. Ebert	INSP. DATE: April 17, 2017	INSP. TIME: 11:11
OPERATOR: ARKINS PARK STONE CORPORATION	OPERATOR REPRESENTATIVE: Dewey Chandler and David Sprague	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$20,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 18, 2017

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: Signs & Markers

PROBLEM: The affected area boundary markers are missing from the south area. This is a problem for failure to maintain boundary markers around the affected area as required by Section 3.1.12(2) of the rule.

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: 6/16/17

OBSERVATIONS

This was a monitoring inspection of the Berthoud Pink Quarry, DRMS Permit No. M-1985-211, operated by Arkins Park Stone Corporation (Arkins). I, Jared Ebert of the Colorado Division of Reclamation, Mining and Safety (Division) conducted the inspection. Mr. Dewey Chandler and David Sprauge of Arkins accompanied me during the inspection. The weather was partly cloudy during the inspection.

This is a 9 acre 110c sandstone quarry northwest of Longmont, Colorado south of Carter Reservoir. The permit area is split onto two separate sites, a north site and south site. The two sites are connected by a dirt road. The north site is approximately 6.5 acres in size, the south site is 2.5 acres in size. The operator refers to the south site as the Gold Stain Quarry. Neither site appears to have had recent mining activity occur and the operator indicated the stone quarried at this site is sold on a limited basis.

Backfilling and Grading:

The north site consists of two primary working faces of the quarry. Various piles of sandstone are stockpiled throughout the area. The working faces of the north site are fairly shallow. A small depressions catches runoff from the north site on the northeast end of the affected area.

The south site consist of one working face. The working face has a northeastern aspect with a solid rock highwall about 5 to 10 feet in height and is about 70 feet in length. Some wasterock/soil material is located in various piles north east of the working face.

Excess Spoil and Dev. Waste:

A large amount of rubble and rock are located at both the north site and the south site.

Explosives:

The operator was not actively conducting blasting at the site at the time of the inspection.

Financial Warranty:

The Division currently holds a financial warranty in the amount of \$20,000.00. Based on the observations at the site, the Division has estimated the cost to reclaim the site to be \$20,623.11. The Division believes the differences in the estimated cost to reclaim the site and the current bond amount held to be negligible and will not require the operator in increase the financial warranty at this time. The Division's estimate is enclosed.

Fish and Wildlife:

A few groups of turkeys and mule deer were observed at the site and the surrounding area.

Off-site Damage:

There appears to be an excavation south and west of the north site. Based on an aerial photograph of the site that was included with the original permit application, it appears this site was a pre-existing feature prior to when the permit was issued. There is a trail that leads to the site and both the trail and excavated area are fairly overgrown with vegetation and it does not appear recent activity has occurred at the site. Several large dimensional sandstone blocks are located in this area.

Revegetation:

No reclamation has been conducted at the site, however Ponderosa Pine trees have volunteered throughout the affected area.

Support Facilities On-site:

There is an old garage located within the north site.

Signs and Markers:

The mine entrance sign was observed. The north site affected area was marked with a number of T-Posts. Using the ArcCollector application, the location of these boundary markers was collected and mapped. Please see the enclosed map. The boundary markers observed delineated an area that is about 6.5 acres in size.

The south site (Gold Stain Quarry), was not marked with boundary markers. Based on a recent Google earth image, the affected area is about 1.5 acres in size. The permit area is 2.5 acres in size at this location. The operator will need to mark the permit boundary of the south site. This issue is cited as a problem at the beginning of the report.

PHOTOGRAPHS



Figure 1. North site, on the east end looking west.



Figure 2. From the center of the north site looking south.



Figure 3. From the west end of the site looking east.



Figure 4. South Site, from the access road looking northwest.

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

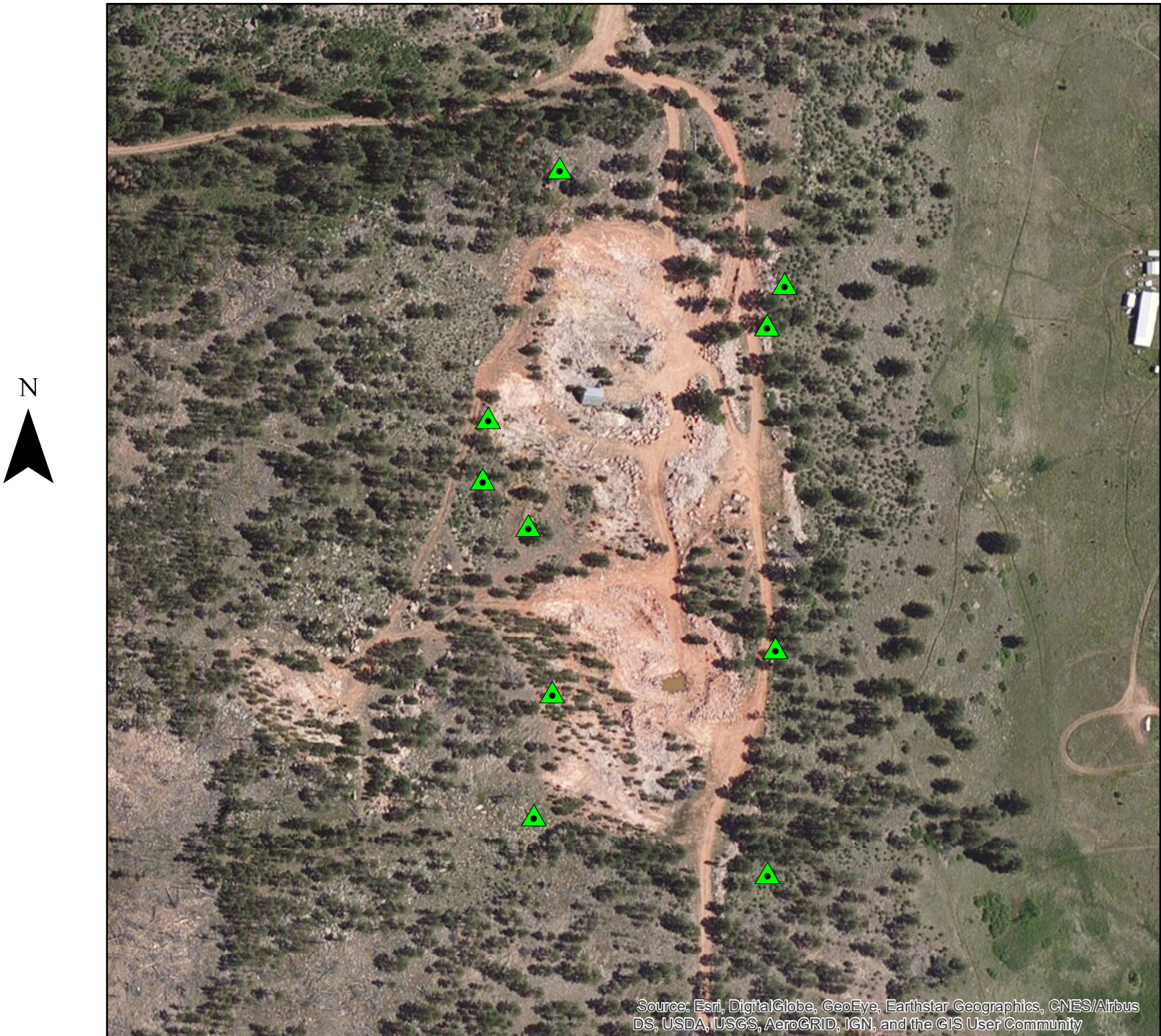
Judy Sprague
ARKINS PARK STONE CORPORATION
5975 NCR 27
Loveland, CO 80538

Enclosure: 1.) April 18, 2017 CIRCES Reclamation Cost Estimate.
2.) April 17, 2017 Inspection Map

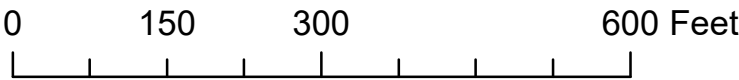
CC: Dewey Chandler, via e-mail

Berthoud Pink Quarry, M-1985-211

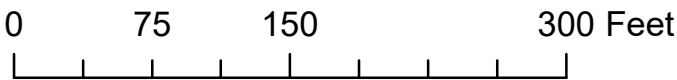
April 17, 2017 Inspection



North Site



South Site



Legend

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