



STATE OF
COLORADO

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Nix Sand and Gravel November Inspection Report M2001046

1 message

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Wed, Jan 22, 2025 at 12:27 PM

To: Steve Kelton <skelton@brannan1.com>

Cc: jlamanna@brannan1.com, Scott Legg <slegg@brannan1.com>

Hello.

Please see the attached inspection report for the Nix Sand and Gravel site. No compliance issues were observed during the November inspection. However, in the report, I noted the required Technical Revision for the baseline groundwater summary that was due by the end of 2024. Please submit this revision as soon as possible.

Reach out to me if you have any questions or comments on the inspection report.

Kind regards,

Nikie Gagnon
Environmental Protection Specialist



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

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INSP-REPORT_M2001046_Nix Sand and Gravel_20241120.pdf
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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: Nix Sand & Gravel Mine	MINE/PROSPECTING ID#: M-2001-046	MINERAL: Sand and gravel	COUNTY: Weld
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: November 20, 2024	INSP. TIME: 09:00
OPERATOR: Ready Mixed Concrete Company, LLC	OPERATOR REPRESENTATIVE: Steve Kelton, Stuartt Erns, Scott Legg	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$6,964,000.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Nikie Gagnon Jared Ebert Chris Girardi	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 22, 2025	

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>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</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>N</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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Nix Sand and Gravel Mine was inspected by Nikie Gagnon, Jared Ebert, and Chris Girardi, representing the Division of Reclamation, Mining and Safety (Division) as part of the Division's normal monitoring inspection program. Steve Kelton, Scott Legg and Stewart Ernst, representing Ready Mixed Concrete Company, accompanied the Division during the inspection. The site is located on the north side of Weld County Road (WCR) 28, west of the intersection with WCR 19, approximately 4 miles west of Platteville.

General Mine Plan Compliance:

The operation is permitted to affect 307.20 acres. Mining will occur in four stages across 7 cells. Post mining land use will leave three slurry wall lined reservoirs surrounded by pasture. The Stage 1 area (Cells 1 & 2) will be mined to construct two unlined cells, a freshwater pond and a siltation pond which receives wash fines from the processing facility. Post mining, a slurry wall is proposed to be installed around the two ponds to create a reservoir. During this inspection, the Division observed active mining in Pond 2 in the southwest corner of the permit area (Photo 1). The adjacent siltation pond has been mined and was holding water (Photo 2).

Adjacent to the Stage 1 area, the Division observed a processing plant in Cell 7 (Photo 4). The operation uses a filter press process to separate the material, which uses less water through recycling over conventional methods. The resulting filter cake material is stockpiled on site in Cell 6 for a future use (Photo 5)

On the north end of the property, a slurry wall was installed around the Stage 2 area (Cells 3 and 4) in 2023 in preparation for mining. During the inspection, the Division observed evidence of leak testing of the slurry wall in this area. The Division of Water Resources provisionally approved the lining on October 30, 2024. The Operator submitted the approval letter to the Division on November 25, 2024. The Stage 2 area will be dry mined and developed into a water storage facility.

The Division observed the Stage 3 area (Cells 5 and 6) which has not been mined. Cell 5 is a producing cropland (Photo 6). A slurry wall will be installed and tested prior to the initiation mining in this area and the bond will be adjusted at that time.

Topsoil:

The Division observed topsoil stockpiles on the south end of Cell 6 (Photo 9). The Operator stated the material was placed there recently from clearing the Pond 2 area. The Division discussed with the Operator the requirements in Rule 3.1.9 to seed and stabilize the topsoil that will be used for reclamation. Since the final reclamation calls for 3 large reservoirs, Excess topsoil material not needed from reclamation may be sold or hauled off site during the life of the mine.

Hydrologic Balance:

The St. Vrain River flows north of the site and the Last Chance ditch traverses the property between Cells 1 and 7, between the processing area and the unlined ponds and continues north along the western boundary of the Stage 3 area. The ditch was dry during this inspection and no mining disturbance was noted. The groundwater depths range from 5 feet on the north side of the permit area to 25 feet on the south. Water flows to the northwest across the site. The Operator is collecting annual water quality and monthly water levels from nine sampling locations around the site. The monitoring data is submitted annually to the Division. Per Technical Revision 2, approved on 4/28/2023, the Operator is required to submit a Revision summarizing the background groundwater data by the end of 2024. As of the date of this report, the Division has not received this report.

Financial Warranty

The Division holds a \$6,964,000.00 corporate surety for the site. The financial warranty was reviewed as a part of this inspection and the Division has determined the bond is adequate.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. 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 720-527-1640 or by email at nikie.gagnon@state.co.us.

PHOTOGRAPHS



Photo 1: Looking northwest across Pond 2 - Freshwater Pond in the Stage 1 area.



Photo 2: Looking northwest across Pond 1 - Siltation Pond constructed in the Stage 1 area.



Photo 3: Looking northeast at the Last Chance Ditch below the processing plant.



Photo 4: Looking at the processing plant and material stockpiles in Cell 6. The operator installed a filter press process.



Photo 5: Looking at stockpiled filter cake clay material from the filter press process.



Photo 6: Looking south across an agriculture field in Cell 5.



Photo 7: Looking southwest from the north end of Cell 4.



Photo 8: Looking northwest across Cell 3. Stockpiles of material left over from previous mining operation at the site.



Photo 9: Looking at topsoil placed in stockpiles in Cell 6.



Photo 10: Looking at stockpiled material to be used for road base.

Inspection Contact Address

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CC: Scott Legg, Brannan
Joe Lamanna, Brannan
Jared Ebert, Senior EPS, DRMS