



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources

June 25, 2025

Bryce A. Bohl
Colorado Quarry I, LLC
901 S County Road 31
Berthoud, CO 80513

RE: Meadow Hollow Quarry, Permit No. M-2009-006; Conversion Application (CN-1); Adequacy Review

Dear Bryce A. Bohl:

On April 22, 2025, the Division of Reclamation, Mining and Safety filed your 110c Construction Materials Reclamation Permit Conversion application for the Meadow Hollow Quarry, located in Larimer County. A technical review of the CN-1 application began at the time of filing. Additional information/clarification is required before the Division can issue a decision for the CN-1 application. Please address the following items with a cover letter and any additional supplemental items required.

Rule 6.2.1 – General Requirements:

1. The map titled Map B-1 Meadow Hollow Quarry and Affected Property USGS Carter Lake Quadrangle does not show the name and signature of the preparer or the date the map was prepared. Resubmit the map with the name and signature of the qualified person as required by Rule 6.2.1(2)(b) and the date the map was prepared as required by Rule 6.2.1(2)(c).
2. The following maps do not adequately identify and outline the area which corresponds with the proposed permit boundary. Resubmit the maps with the proposed permit boundary clearly shown in accordance with Rule 6.2.1(2)d).
 - a. Map B-2 Meadow Hollow Quarry -- Access Roads
 - b. Map B-3 Meadow Hollow Quarry Property Location, Current Permitted Mining Area
 - c. Map B-4 Meadow Hollow Quarry – Pre-Law Mine Location
 - d. Map C-1 Exhibit C, item (b)
 - e. Map C-2 – Topography of Mining Area
 - f. Map C-3 – Meadow Hollow Quarry – Topography Detail
 - g. Map C-5 Colorado Quarry 1, LLC – Meadow Hollow Quarry Current 110c Operation Permit Area
 - h. Map C-6 – Areas of Proposed Mining Expansion

Physical Address: 1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106

Mailing Address: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216 <https://drms.colorado.gov>

Jared S. Polis, Governor | Dan Gibbs, Executive Director | Michael A. Cunningham, Director



- i. Map C-7 – Approximate Area of Proposed First Phase Mining
- j. Map C-8 – Approximate Area of Proposed Second Phase Mining
- k. Map C-9 – Approximate Area of On-Site Affected Land
- l. Map F-1 – Meadow Hollow Quarry – Reclaimed Map

Rule 6.4.3 Exhibit C – Pre-mining and Mining Plan Map(s) of Affected Lands:

- 3. The map titled Map C-9 Approximate Area of On-Site Affected Land implies that the lands identified on the map will be affected by the mining operation as defined by Rule 1.1(3). The area outlined correlates to an area that is identified as “Non-Mined” on Map F-1, the reclamation map and does not encompass the current mining area or the proposed future areas to be mined. Resubmit the map to show the total area of affected lands, in accordance with Rule 6.4.3(d). Lands that will not be mined or be used for the mining operation could be labeled as “Undisturbed Area” to prevent confusion.

Rule 6.4.4 Exhibit D – Mining Plan

- 4. The mining plan describes the implementation of crushing, screening, and cutting of extracted stone. Will these activities be stationary and occur in one area? Or will these activities move with mining phases? Provide clarification in the Exhibit D – Mining Plan in accordance with rule 6.4.4(a). Additionally, if these activities will be stationary, identify the designated area and provide the acreage on one of the maps satisfying requirements of Rule 6.4.3 Exhibit C – Pre-mining and Mining Plan Map(s) of Affected Lands.
- 5. It is stated in the mining plan that topsoil and overburden will be stockpiled to be used during reclamation activities. According to Rule 3.1.9(3), topsoil stockpiles shall be situated in an area to minimize erosion and disturbance by ongoing mining operations. Include information about the location of where topsoil and overburden are expected to be stored in Exhibit D – Mining Plan in accordance with Rule 6.4.4(b). Additionally, identify the location of the topsoil and overburden stockpiles on one of the maps satisfying requirements of Rule 6.4.3 Exhibit C – Pre-mining and Mining Plan Map(s) of Affected Lands.
- 6. The mining plan states that a berm will be constructed to mitigate any potential run-off and sedimentation of the ponds located on the east side of the proposed permit area. Provide information about the size (length, width, height) and material(s) that will be used to construct the berm in addition to a comment of whether the berm will remain in place after mining operations terminate or if it will need to be reclaimed, per Rule 6.4.4(c).

7. The mining plan states that each mining phase of the operation will be approximately 10 acres. Corresponding maps showing the mining plan, maps titled Map C-7 Approximate Area of Proposed First Phase Mining and Map C-8 Approximate Area of Proposed Second Phase Mining, imply that there will only be two phases of mining. Neither map includes the current permitted mining area. The size of the area identified by Map C-7 is 10.58 acres and the size of the area identified by Map C-8 is 7.96 acres. Revise Exhibit D – Mining a Plan and any corresponding maps satisfying requirements of Exhibit C – Pre-mining and Mining Plan Map(s) of Affected Lands with clarified information about the size of the proposed mining phases to be worked at any one time, in accordance with Rule 6.4.4(d). This area shall include all the lands that are currently disturbed.
8. Revise Exhibit D – Mining Plan to include an approximate timetable of the mining operation for each phase in accordance with Rule 6.4.4(e)(i).
9. Blasting is given as a method of mining and the blasting plan provided in TR-1, approved on February 9, 2022, is referenced in the mining plan. The information about owners of nearby structures provided in the CN-1 application indicates that there have been several changes in owners of property and structures within a half mile radius of the center of the current operation. Update the blasting plan in accordance with the Attachment A – Key Elements of a Blasting Plan (attached to this letter) to reflect current information about the blasting plan along with updated information for structures and owners, in accordance with Rule 6.4.4(i) and Rule 6.5(4).

Rule 6.4.5 Exhibit E – Reclamation Plan

10. In the section Reclamation Procedures and Timeline, Goal #2 of reclamation is given as to “restore the site to beneficial post-mining land use, such as wildlife habitat.” The post-mining land use given in the application is residential. Make the appropriate adjustment to the application form or the Exhibit E – Reclamation Plan and resubmit the correction.
11. Conflicting information is given in the reclamation plan to that of what is provided in the mining plan with respect to the mining phases. The following table provides a breakdown of the information given for mining phases from maps titled Map C-7 Approximate Area of Proposed First Phase Mining and Map C-8 Approximate Area of Proposed Second Phase Mining and what is given in the reclamation plan. Phase 3 of the reclamation plan states that reclamation will occur in the northwestern portion of the proposed permit area, but the mining plan and corresponding map (Map C-8) indicates that this area is Phase 2. Phase 3 of the reclamation plan also states that reclamation activities will also be conducted on the lower eastern portion of the affected area, measuring 11 acres. The mining plan does not make clear the nature of the disturbance expected in this area. Revise the necessary documents and corresponding maps to provide clarification of the

expected type of disturbance in each phase, the size of each phase, and an accounting for any discrepancies (i.e. the processing area will be stationary throughout all phases of mining, equipment and supply storage will remain stationary, etc.).

Area Provided (Acres)	Phase 1	Phase 2	Phase 3
Maps C-7 and C-8	$7.24 + 3.34 = 10.58$	7.96	N/A
Reclamation Plan	$9.90 + 3.34 = 13.24$	7.24	$7.96 + 11.0 = 18.69$

12. The seed mix provided in Exhibit L – Reclamation Costs includes four (4) grass species and one (1) tree for reclamation. The current approved seed mix for the permit includes seven (7) grass species and two (2) trees. In accordance with Rule 6.4.5(2)(c) and Rule 3.1.10(1), provide a statement further clarifying and justifying how the decrease of grass and tree species to be used in reclamation operations will maintain a diverse, effective, and long-lasting vegetative cover of the area and is at least equal in extent of the natural cover of the surrounding areas.
13. Revise the Exhibit E – Reclamation Plan to clarify the following information about each phase:
- An estimate of the periods of time which will be required for the various phases, per Rule 6.4.5(2)(e)(i).
 - A description of the size and location of each area to be reclaimed during each phase, per Rule 6.4.5(2)(e)(ii).

Rule 6.4.6 – Exhibit F – Reclamation Plan Map

14. The map titled Map F-1 – Meadow Hollow Quarry Reclamation Map identifies Phase 1 Area, Phase 2 Area, two Phase 3 Areas, an area labeled “Historic residential use area”, and a “Non-Mined Area”. Revise the map to include the shape and size (in acres) of each area as they correlate to information given in Exhibit D – Mining Plan and Exhibit E – Reclamation Plan, in accordance with Rule 6.4.6(a).

Rule 6.4.7 Exhibit G – Water Information

15. The mining plan states that water will be used to control dust during crushing and screening processes as well as for haul road maintenance. It is unclear where the water will be sourced from or if there is a need to develop a settling pond for the wastewater created from processing. Revise Exhibit G – Water Information to include the following information:

- a. In the case that a settling pond will be required, include the location of the settling pond on one of the maps satisfying Exhibit C, per Rule 6.4.7(2)(a).
- b. An estimate of the project water requirements including flow rates and annual volumes for the development, mining, and reclamation phases of the project, per Rule 6.4.7(3).
- c. The projected amount from each of the sources of water to supply the project water requirements for the mining and reclamation operations, per Rule 6.4.7(4).
- d. If it is necessary to discharge water into the Meadow Creek, affirmatively state that the Operator has acquired or will apply for a National Pollutant Discharge Elimination System (NPDES) permit from the Water Quality Control Division at the Colorado Department of Health and Environment, per Rule 6.4.7(5).

Rule 6.4.12 Exhibit L – Reclamation Costs

16. The estimated reclamation cost cannot be determined by the Division at this time as information required to calculate the cost is still needed. The location of overburden and topsoil is needed to determine push distance during backfilling and topsoiling operations (see item #5 above). It is unclear the extent of the expected nature of disturbance in various areas of the permit area and the maximum acres to be disturbed at any one time (see items #7 and #11 above). It is also unclear if the berm that will be constructed to prevent runoff into existing ponds will be reclaimed (see item #6 above). Additionally, the seed mix needs to be verified (see item #12 above). An estimated reclamation cost will be calculated by the Division after the items noted are addressed by the applicant. Once a reclamation cost estimate is calculated and created, the applicant will be given the opportunity to provide the Division with comments.

Rule 6.4.13 Exhibit M – Other Permits and Licenses

17. On May 16, 2025, the Larimer County Planning Division submitted a comment regarding this permit (attached to this letter) stating that the expansion request will require approval by the Larimer County Board of Commissioners through a Special Review process. If the applicant has not already contacted the Larimer County Planning Division regarding this matter, please reach out using the contact information provided in the attached comment. Revise Exhibit M – Other Permits and Licenses to include information about this approval and any additional approvals or permits that may be required in accordance with Rule 6.4.13.

This concludes the Division's adequacy review for the CN-1 application. **The decision date for the CN-1 application is July 23, 2025.** Please provide a response to the Division ten (10) days before the decision date, **July 13, 2025**, to allow for a review of the response. If more time is

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necessary to address the items above, a written request to extend the decision date must be received by the Division by the decision date.

If you have any questions, please contact me by telephone at (720) 666-1065, or by email at Jocelyn.carter@state.co.us.

Sincerely,



Jocelyn L. Carter
Environmental Protection Specialist
Division of Reclamation, Mining, and Safety

Enclosures: Attachment A – Key Elements of a Blasting Plan
Larimer County Planning Division Comment

Ec: Amy Eschberger, DRMS
Bret Ludwick, Colorado Quarry 1, LLC
Jay Panzarella, Colorado Quarry 1, LLC

ATTACHEMENT A

Key Elements of a Blasting Plan

- I. Blast Schedule Notification:
 - a. Name, address & phone number of Operator;
 - b. Identify where blasting will occur;
 - c. Day(s) and time(s) of blasting;
 - d. Methods used to control access;
 - e. Outline warning signals (e.g., sirens, horns, etc.);
 - f. Schedule distribution (who is notified: e.g., workers, residents, local governments, etc.).
- II. Pre-Blast Surveys – where agreed to and approved by structure owners:
 - a. Generally for structures within one half mile of the blast area;
 - b. Establish a pre-blasting record of existing structure(s) condition;
 - c. ID structures or contents sensitive to blasting.
- III. Blast Plan:
 - a. Limits on ground vibration;
 - b. Limits on airblast;
 - c. Methods used to control adverse effects of blasting;
 - d. Description of monitoring systems to be used and where to be set up;
 - e. Blasting protocol/procedure;
 - f. Anticipated typical blast design (this information can have a range so as not to require a specific design for each blast:
 - i. Blast purpose – what product is expected (e.g., riprap, crushed aggregate, etc.);
 - ii. Number, spacing, diameter and depth of holes;
 - iii. Type and amount of stemming material;
 - iv. Blasting agent and amount per hole; and
 - v. Type of delay detonator and delay periods expected.
 - g. Location(s) of blast monitoring.
- IV. Commit to Generating and Filing a Blast Report - The DRMS requires all Operators using explosives to complete a blasting report for each shot. The report must be retained by the Operator for at least 3 years and be available for inspection by the DRMS on demand. The record shall contain the following data, but should not be submitted as part of the Blasting Plan:
 - a. Location date and time of blast;
 - b. Name, signature and license number of blaster-in-charge;

- c. Identification, direction and distance in feet from the nearest blast hole to the nearest potentially affected structure, such as any dwelling, school, church, or community or institutional building either:
 - i. not located in the permit area; or
 - ii. Not owned nor leased by the person who conducts the mining operations.
- d. Weather conditions, including: temperature, wind direction, and approximate velocity;
- e. Type of material blasted;
- f. Sketches of the blast pattern including number of holes, burden spacing, and delay pattern. Sketches shall also show decking, if holes are decked to achieve different delay times within a hole;
- g. Diameter and depth of holes;
- h. Types of explosives used;
- i. Total weight of explosives used per hole and maximum weight of explosives used per 8-millisecond period;
- j. Initiation system;
- k. Type and length of stemming;
- l. Mats or other protections used;
- m. Type of delay detonator and delay periods used;
- n. Number of persons in the blasting crew; and
- o. Seismographic records where required including:
 - i. Type of instrument sensitivity and the calibration signal of the gain setting or certification of annual calibration;
 - ii. Exact location of instrument, the blast date and time, and the instrument distance from the blast;
 - iii. Name of the person and firm taking the reading;
 - iv. Name of the person and firm analyzing the seismographic record; and
 - v. The vibration level recorded

Permitting Action Comment OR Objection



COLORADO
Division of Reclamation,
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Department of Natural Resources

CONTACT INFORMATION

You are providing a comment or objection to the public record of a permitting action currently under review by the Division of Reclamation, Mining and Safety. This form is not intended for reporting of possible violations or illegal activity.

Please note that this form is processed through an automated workflow, and forms with incomplete or erroneous permit, permitting action, or county information may be rejected by the automated process.

Comments/objections should pertain to the Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials or Rules and Regulations of the Colorado Mined Land Reclamation Board for Hard Rock, Metal or Designated Mining Operations. Objections and Comments must pertain to issues within the Division's jurisdiction (not pertaining to dust, traffic, noise, hours of operation, affect on property values, local land use decisions, etc.).

Please refer to the Division's [Mining Activity Dashboards](#) to assist you in providing the information required on this form.

Date of Comment or Objection

05/16/2025

***** *Indicates a Required Field*

**This form is for comments or objections on permitting actions.
This form is not intended for requests to investigate compliance
issues with DRMS rules.**

Comment or Objection *

- ☐ Objection
- ☐ Support
- ☐ General Comment
- ☒ Agency Comment

Contact Type *

- ☐ Individual
- ☐ Group
- ☒ Agency
- ☐ Attorney

Please select the appropriate option above to identify who you represent.

Agency Name *

Larimer County Planning Division

Your First Name *

Samantha

Your Last Name *

Lasher

Your Address *

200 W. Oak Street

Your Address 2

Your City *

Fort Collins

Your State

CO

Your Zip Code *

Maximum of 10 digits. (Example) 80202

80521

Email Address *

Enter a valid email address in this field to receive a confirmation e-mail.

lashersm@co.larimer.co.us

Your Phone Number * (?)

Used only to follow up.

9704987723

Extension

Alternate Phone Number (?)

Used only to follow up.

Alternate Phone Extension

Connection to Operation *

Select all that apply

- ☐ Land Owner of affected land
- ☐ Mineral Owner
- ☐ Adjacent Land Owner
- ☒ Government Agency

- ☐ Structure Owner within 200' of affected land
- ☐ Nearby Resident
- ☐ Concerned Citizen
- ☐ Other

DESCRIPTION OF COMMENT OR OBJECTION

You are providing a comment or objection to the public record of a permitting action currently under review by the Division of Reclamation, Mining and Safety. This form is not intended for reporting of possible violations or illegal activity. Please be as specific as possible.

Comment/Objection Narrative *

The Meadow Hollow Quarry is located at 901 S. County Road 31, zoned O-Open. The proposed expansion of the existing quarry will require approval by the Larimer County Board of County Commissioners through the Special Review process. Development standards related to traffic impacts, environmental resources, air quality, etc will be evaluated for compliance during this Special Review process. Any post mining land use will need to abide by Larimer County zoning regulations as well any other applicable County and State regulations.

Permitting Action Comment/Objection is Regarding

- ☐ New Permit ☒ Change to Existing Permit

Permit Number * (?)

Enter a valid permit number

M2009006

Revision Type and Sequence *

Conversion to a 112c permit

County *

Colorado County where the proposed operation is located

Larimer

Enter one county only

Site Name

Meadow Hollow Quarry

Permittee/Operator Name

Colorado Quarry 1, LLC

ADDITIONAL INFORMATION

Are there supporting photos, maps, or documents you wish to upload? *

☐ Yes ☒ No

By submitting this form electronically you agree to receive any/all follow up correspondence from the Division of Reclamation, Mining, and Safety at the email address you have provided.