



November 14, 2023

Ms. Amber Gibson  
Division of Reclamation, Mining and Safety  
1313 Sherman Street, Room 215  
Denver, CO 80203

**RE: Rich Pit, M-1985-218, Technical Revision, Mine Plan and Reclamation Plan Update**

Dear Ms. Gibson,

In follow up to your inspection report received on September 11, 2023, and as a corrective action to the Consent Agreement between Martin Marietta Materials, Inc. ("Martin Marietta") and Division of Reclamation Mining and Safety, Martin Marietta submits this Technical Revision to Permit M-1985-218.

I have attached the following Exhibits:

- Exhibit C – Mining Plan Maps
- Exhibit F – Reclamation Plan Maps
- Hydrologic Evaluation

This is being submitted as a Technical Revision because the changes do not have more than a minor effect upon the approved mine permit and reclamation plan due to the following:

- Mining and reclamation remains within the 282 acre Affected Area previously approved for mining in Amendment 01 ("AM 01") on July 18, 1996 (but not yet approved for reclamation treatment, which we are addressing through this Technical Revision).
- Exhibit D of AM 01 stated, *"This amendment is to permit the total possible aggregate area to allow flexibility in both present and future operations. In the future, the applicant hopes to develop augmentation plans which will allow a larger area of extraction."* Martin Marietta has obtained Substitute Water Supply Plan ("SWSP") ID 550—approved in accordance with Section 37-90-137(11), C.R.S.—to replace depletions from sand and gravel mining under this permit, thereby allowing for a larger area of extraction. Martin Marietta will continue to revise the SWSP as mining progresses and renew the SWSP annually.
- The approved AM 01 Mining Plan Map projected a, "Mining Timetable 30 years" so it would be reasonable to assume that the operator had intended to mine out the whole 282 acre affected area as water became available for augmentation.
- No changes to the approved reclamation plan which calls for wildlife habitat in the mining area and commercial/industrial area in the plant area.
- The attached Hydrologic Evaluation demonstrates that there are no pumping wells within 600 feet of the permit boundary that are likely to be affected by the requested mining and reclamation plan.
- The additional detail shown on the attached Mining and Reclamation plan Maps demonstrate how the mine will be further developed and reclaimed as contemplated in AM 01.

West Division

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### **Exhibit C: Mining Plan Map**

Mining will be accomplished within the 282-acre Affected Area per the previously approved mining plan at AM 01, Exhibit D. Enclosed Exhibits C and F show that mining will occur in two phases. Phase I includes 54.6 acres while Phase II includes 56.7 acres for reclamation material to be used to reclaim Phase I.

Other areas within the Affected Area may still be used for interim uses such as overburden storage, silt storage, material hauling, and fresh water resources associated with the mineral extraction area as shown on the attached Exhibits.

A Substitute Water Supply Plan ("SWSP") is currently approved by the Colorado Division of Water Resources for all exposed groundwater surface area within the mining area. Martin Marietta will ensure an approved Substitute Water Supply Plan remains in place as mining progresses.

Additional mineral extraction beyond Phase I will require an additional Technical Revision or Amendment.

### **Exhibit F: Reclamation Plan Map**

The mining area will be reclaimed as wildlife habitat and the Plant Site will be reclaimed as commercial/industrial area per the approved Reclamation Plan at AM 01, Exhibit E. For your information in calculating the bond, Phase I will be reclaimed by backfilling to an elevation that is 2 feet above the groundwater level. This will require 1,952,838 cubic yards of backfill material. The backfill will include overburden and waste material from Phase I and additional material from Phase II that is 2 feet above the groundwater level.

Phase II will only be excavated to a level that is 2 feet above the groundwater level to provide reclamation material unless a Technical Revision is submitted and approved identifying the source of backfill needed to reclaim Phase 2, other reclamation measures to be approved, or subsequent bond adjustment.

The total available volume of material for backfilling includes:

- 156,937 cubic yards currently stockpiled on site
- 595,555 cubic yards of overburden and waste to be removed from the Phase I mining area and temporarily stored in the Phase II area
- 761,595 cubic yards of material to be removed from Phase II, remaining at least 2 feet above the water table
- Total Available: 1,514,087 cubic yards

The total amount of fill material required to accomplish the reclamation plan is 1,952,838 cubic yards. 438,751 cubic yards of material will be brought in from owned neighboring property.

As stated in the previously approved Exhibit E, all slopes will be graded to no steeper than 3H:1V. The roads into the property will remain in place after mining. Reclaimed areas will be seeded with the approved seed mix after final grading.

While preparing this Technical Revision, Martin Marietta has identified areas within the permit area that appear to also be included in permit M-2008-001. We have identified these areas on both Exhibits C and F. We are not requesting a release of these areas at this time while we continue to evaluate future operations of these two permits.

For the reasons above, this proposed Technical Revision will not have more than a minor effect on the approved mine permit and reclamation plan and should therefore be approved.

Should you have additional questions please contact me at 720-612-6232 or [phillip.courtney@martinmarietta.com](mailto:phillip.courtney@martinmarietta.com).

Sincerely,

A handwritten signature in dark ink, appearing to read 'Phillip J. Courtney', written in a cursive style.

Phillip J. Courtney  
Land Manager