



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

June 17, 2020

Justin Hersh
Larimer County
P.O. Box 1190
Fort Collins, CO 80522

Re: Horton Gravel Pit, Permit No. M-1985-135, Technical Revision No. 2 (TR-02), Adequacy Review No. 1

Mr. Hersh:

On May 21, 2020, the Division of Reclamation, Mining and Safety (Division) received your Technical Revision application (TR-02) for the Horton Gravel Pit, addressing the following:

Update mining and reclamation plan maps to include stormwater/erosion control facilities, secondary access road, and temporary staging area.

After reviewing the materials submitted, the Division has identified the following adequacy items that must be addressed before an approval of TR-02 can be issued:

- 1) Two of the maps submitted are labeled "Reclamation Plan Map". However, none of the maps submitted are labeled "Mining Plan Map". Since one component of the proposed revision is updating the mining plan map, please provide a map labeled as such which meets the requirements of Rules 6.2.1 and 6.4.3. Please be sure the mining plan map shows any proposed topsoil and overburden storage locations and material stockpiling and/or processing locations to occur during operations.
- 2) The maps submitted do not include the following information required by Rule 6.2.1(2):
 - a. Show name of Applicant.
 - b. Must be prepared and signed by a registered land surveyor, professional engineer, or other qualified person.
 - c. Give date prepared.

Please submit revised maps that include this information. (As stated in # 1 above, please be sure the maps also include a proper label, such as Reclamation Plan Map or Mining Plan Map.)



- 3) The revision did not include an updated mining plan for the site. The current approved mining plan includes dry mining the site generally westward to a depth of 35-40 feet, screening and temporarily stockpiling mined material in the northeastern portion of the site, storing any salvaged topsoil and overburden separately on site for reclamation, and keeping all mining disturbances a minimum of 200 feet from the underground petroleum pipeline that crosses the site until a structure agreement has been obtained from the owner of the pipeline. If any part of the approved mining plan has changed, please provide an updated mining plan accordingly.
- 4) The revision did not include an updated reclamation plan for the site. The current approved reclamation plan includes grading all disturbed slopes to 3H:1V or flatter, replacing 6 inches of topsoil across all disturbed land, and revegetating the land with the following seed mixture: Pubescent Wheatgrass (40%), Slender Wheatgrass (20%), Western Wheatgrass (10%), Dahurian Wild Rye (10%), and Russian Wild Rye (10%). The seed will be drilled on contour followed by straw or native mulch crimped in and supplemented by fertilizers (as indicated by soil testing). The revised reclamation plan maps submitted with the revision show the two access roads will remain for reclamation, the currently installed stormwater and erosion control structures will remain, and two pits will remain rather than one large pit as previously proposed. If any other part of the approved reclamation plan has changed, please provide an updated reclamation plan accordingly.
- 5) Given the stormwater and erosion control structures that needed to be installed on the existing eastern mined pit, does the operator anticipate any such structures will need to be installed on the western mined pit? If enough information is not known at this time to provide details of any anticipated structures for the western pit, please commit to submitting a separate Technical Revision with these details along with revised mining and reclamation plan maps once this information is known.

This completes the Division's preliminary adequacy review of the materials submitted for TR-02. The decision date for TR-02 is currently set for **June 22, 2020**. If additional time is needed to address the adequacy items, an extension request must be received by our office prior to the decision date.

If you have any questions, you may contact me by telephone at 303-866-3567, ext. 8129, or by email at amy.eschberger@state.co.us.

Sincerely,



Amy Eschberger
Environmental Protection Specialist

CC: Michael Cunningham, DRMS