



Response to Consideration of 112c Construction Materials Reclamation Permit Application

DATE: November 30, 2020

TO: Brock Bowles, Environmental Protection Specialist

CC: Keith Vander Horst, P.E., Chief of Water Supply - Inside Basins

FROM: Javier Vargas-Johnson

RE: Barkley Pit, Permit No. M-2020-053
Applicant/Operator: Logan County
Phone Number: (970) 522-0880
Pt. NE ¼ of Section 17, Twp 6 North, Rng 49 West, 6th P.M., Logan County
Water Division 1, Water District 65, Northern High Plains Designated Basin, Frenchman Ground Water Management District

CONDITIONS FOR APPROVAL

- ☒ The proposed operation does not anticipate exposing groundwater. Therefore, exposure of groundwater must not occur during or after mining operations.
- ☒ Water is proposed to be used at the site for operation of the processing plants and dust control purposes. The applicant will need to document that the water was obtained from a legal source, or was diverted in priority under a water right decreed for such mining/industrial use.
- ☒ Any stormwater runoff intercepted by this operation that is not diverted or captured in priority must infiltrate into the ground or be released to the stream system within 72 hours.

COMMENTS: The subject application is for a surface mining operation on 50 acres located approximately 13 miles south of Fleming, Colorado. The primary commodities to be mined at the site are sand and gravel. The site is proposed to be reclaimed to its previous use of cropland upon completion of mining.

Excavations will be to an average depth of 15 feet below ground surface and are not anticipated to intercept groundwater. The applicant's investigation indicates that the ground water table is from 220 feet to 250 below ground surface. If groundwater is encountered during excavation then that area will be backfilled to at least 2 feet above that elevation; a depth of at least 2 feet above groundwater will be maintained in all areas of the mine.

The anticipated water requirements for the mining operation are 3.0 acre-feet per year, primarily for dust control on the haul roads. Water will be trucked from offsite as needed.

A ditch will be constructed around the north, east, and south sides of the setback to direct any stormwater runoff around the mining area. The mined area will be graded to prevent accumulation of stormwater on the mine floor and to preserve the natural drainage. All stormwater runoff intercepted by this operation must infiltrate into the ground or be released to the stream system within 72 hours; otherwise, the operator must make replacements for evaporation.

Based on the above, this office has no concerns regarding the proposed mining operation. The applicant may contact the State Engineer's Office with any questions.

