



STATE OF  
COLORADO

Ebert - DNR, Jared <jared.ebert@state.co.us>

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## Knox Pit M-2017-036

1 message

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**Brucker - DNR, Sarah** <sarah.brucker@state.co.us>  
To: Jared Ebert - DNR <jared.ebert@state.co.us>

Tue, Sep 26, 2017 at 9:49 AM

Please see attached for comments.

Sarah Brucker, P.E.  
Water Resources Engineer



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

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**M\_2017\_036 Knox Pit.pdf**  
128K



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

1313 Sherman Street, Room 821  
Denver, CO 80203

## Response to Reclamation Permit Application Consideration

DATE: September 26, 2017  
TO: Jared L. Ebert, Environmental Protection Specialist ([Jared.Ebert@state.co.us](mailto:Jared.Ebert@state.co.us))  
CC: Division 1 Office, District 3 Water Commissioner  
FROM: Sarah Brucker, P.E. *SB*  
RE: Knox Pit, File No. M-2017-036  
Applicant: Loveland Ready-Mix Concrete, Inc.  
Contact: (970) 667-1108  
SW¼ Section 28, Twp 8 North, Rng 69 West, 6th P.M., Larimer County

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### CONDITIONS FOR APPROVAL

- ☒ The proposed operation will consume ground water by: ☒ evaporation, ☒ dust control, ☐ reclamation, ☒ water removed in the mined product, ☒ processing, ☒ other: concrete production.
  - ☒ **Prior to initiation of these uses of ground water, the applicant will need to obtain either a gravel pit or other type of well permit, as applicable. However, prior to obtaining a permit, an approved substitute water supply plan or decreed plan for augmentation is required.**
  - ☒ Prior to approving a well permit, the applicant must conduct a field inspection of the site and document the locations of all wells within 600 feet of the permit area. The applicant must then obtain a waiver of objection from all well owners with wells within 600 feet of the permit area or request a hearing before the State Engineer.
  - ☒ Any storm water 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. Otherwise, the operator will be required to make replacements for evaporation. **If, after reclamation, storm water will be retained onsite for more than 72 hours, a permanent plan for augmentation must be obtained.**
  - ☒ A dewatering system well permit must be obtained prior to construction of the perimeter drain.
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**COMMENTS:** The subject application is for a surface mining operation on 127 permitted acres located just east of Laporte, Colorado. The primary commodities to be mined at the site are sand, gravel, and fill. The site is proposed to be reclaimed to rangeland upon completion of this mining operation.

Material will be mined below the ground water table, and the mining excavations will be dewatered. Water collected by the dewatering system will be pumped to a water management pond and used onsite for washing/screening and concrete production. The site will also contain a recirculated wash water pond to help manage the water supply. The applicant has indicated that they intend to obtain a well permit and substitute water supply plan from this office to cover the use of ground water and captured storm water at the site.

Municipal water will be used for employee drinking and sanitary purposes at the concrete batch plant, irrigation of landscaping, and if necessary to mitigate impacts to neighboring wells.



Prior to each phase being mined, historic irrigation practices will continue on the site.

A perimeter drain is proposed to be installed to move ground water around the mined area after reclamation. A dewatering system well permit will be required to be obtained for the proposed perimeter drain.

The applicant may contact the State Engineer's Office with any questions.

