



## COLORADO

### Division of Reclamation, Mining and Safety

Department of Natural Resources  
1313 Sherman Street, Room 215  
Denver, Colorado 80203

February 26, 2015

Mark Brown  
City of Holyoke  
407 East Denver Street  
Holyoke, CO 80734

**Re: Arthur-Mae Gravel Pit, Permit No. M-2014-068, 110c Construction Materials Reclamation Permit Application, Additional Adequacy Letter**

Dear Mr. Brown,

The Division of Reclamation, Mining and Safety (Division) has reviewed the content of the adequacy response letter, received on February 18, 2015, to the Division's adequacy letter sent February 5, 2015 and submits the following comments. The response letter was for the City of Holyoke 110c Construction Materials Reclamation Permit Application for the proposed Arthur-Mae Gravel Pit, File No. M-2014-068. **The Division is required to make an approval or denial decision no later than March 23, 2015; therefore, a response to the following adequacy review concerns should be submitted to the Division as soon as possible.** In order to allow adequate time to review your responses to any adequacy issues, please submit your adequacy responses to the Division no later than March 16, 2015.

Please note that any changes or additions to the application on file in our office must also be reflected in the public review copy, which was placed with the Phillips County Clerk and Recorder by the Applicant.

The review consisted of comparing the application content with specific requirements of Rules 1, 3, 6.1, 6.2, and 6.3 of the Minerals Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials. Any inadequacies are identified under the respective exhibit.

### **6.3 SPECIFIC PERMIT APPLICATION EXHIBIT REQUIREMENTS –110 LIMITED OPERATIONS**

The following items must be addressed by the applicant in order to satisfy the requirements of C.R.S. 34-32.5-101 et seq. and the Mineral Rules and Regulations of the Mined Land Reclamation Board:

#### **6.3.4 Exhibit D – Reclamation plan**

2. Please provide the Division with a plan for long-term erosion stability, specifically in regards to preventing a head cut from migrating upstream and off-site.

The response received by the Division was regarding erosion of the creek banks. The original concern was that of the creek bed in the form of a head cut. An excavation of a creek channel will alter the equilibrium profile of the streambed and create a steeper gradient which commonly erodes upstream as headcutting. The proposed removal of 1-5 feet of material will create a steeper slope of the creek bed upon entering the pit. The Division is requesting a plan to reduce the chance of this slope eroding and causing the head cut which can migrate upstream and off-site. Please provide an appropriate plan, such as an energy-dissipating structure, armoring, very gentle sloping, etc. or a combination of several, and a description of the potential impacts from a head cut moving upstream.



Attached for the Operator's reference is a comment letter from Colorado Parks & Wildlife.

This concludes the Division's adequacy review of this application. This letter shall not be interpreted to mean that there are no other technical deficiencies in your application. Other issues may arise as additional information is supplied. Please be advised the Arthur-Mae Gravel Pit permit application may be deemed inadequate, and the application may be denied on March 23, 2015, unless the above mentioned adequacy review items are addressed to the satisfaction of the Division. **If more time is needed to complete the reply, the Division can grant an extension to the decision date. This will be done upon receipt of a written waiver of the Applicant's right to a decision by March 23, 2014 and the request for additional time. This must be received no later than the deadline date.**

If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8132**, or by email at [elliott.russell@state.co.us](mailto:elliott.russell@state.co.us).

Sincerely,



Elliott R. Russell  
Environmental Protection Specialist

Cc: Tom Kaldenbach; DRMS

Enclosure: CPW Comment Letter