

# STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY  
Department of Natural Resources

1313 Sherman St., Room 215  
Denver, Colorado 80203  
Phone: (303) 866-3567  
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John W. Hickenlooper  
Governor

Mike King  
Executive Director

Loretta Piñeda  
Director

April 16, 2013

Mr. Ed Cooley  
Shale Tech International Services L.L.C.  
1354 County Road 246  
Rifle, CO 81650

**Re: Duck Creek Mine, Permit No. M-2013-022, 110(2) Reclamation Permit Application Package, Preliminary Adequacy Review.**

Dear Mr. Cooley:

The Division of Reclamation, Mining and Safety has begun the review process for the above referenced reclamation permit application. The application appears to be a straight forward operation to extract oil shale for offsite experimental purposes but the initial review of the application has revealed a few clarifications and issues that need to be addressed.

- 1) Please address Rule 6.3.3(1)(b) and specify the topsoil storage locations on the mine plan map.
- 2) If the topsoil stockpile is to remain stockpiled for a period greater than 12 months please specify what stabilization methods will be used to protect the stockpile from erosion.
- 3) Please address Rule 6.2.1(2)(b) and (c), all maps submitted must be signed and dated by the qualified mapmaker.
- 4) The mine plan and reclamation plan show a "current overburden storage" adjacent to Mining Area 1 that appears to be outside of the proposed permit boundary. Please specify if material from this storage is intended to be used to reclaim any portion of the mining site. If the material is intended to be used to support the mining operation or be used in reclamation an amendment to the application to incorporate the area into the proposed mine area is required.
- 5) Please show the orientation of the access road on both the revised mining and reclamation maps.

This is a preliminary review. Other issues may arise from other agency comments, and as more information is supplied. This application cannot be approved until all issues brought forth by Division staff are adequately addressed. Please submit a response to the following issues as soon as possible, but no later than April 29, 2013 so the decision due date set May 4, 2013 can be met. If your response or a written extension request are not received by April 29, 2013 this application may be denied.

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If you need additional information, please contact me at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 S. 3rd St., Suite 301, Grand Junction, Colorado 81501, telephone no. (970) 241-2042.

Sincerely,

A handwritten signature in black ink, appearing to read 'Travis Marshall', with a stylized, cursive script.

Travis Marshall  
Environmental Protection Specialist

ec: Russ Means, DRMS

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