



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

April 7, 2017

To: Jason Musick

From: Brock Bowles

RE: Yoast Mine, C-1994-082
Bond Release No. 6 (SL-6)
Adequacy Review Memo

I have finished my review of the vegetation success data submitted for bond release 6 at the Yoast Mine. Data was submitted for the years 2012 and 2014 to demonstrate vegetation success.

The data was collected for cover, production, species diversity and woody stems. The methods used for data collection are outline in Tab 22 of the Yoast permit. The reclamation standard for all four parameters is determined by an extended reference area. The reference area utilizes four plant communities which are weighted based on the disturbed area.

The mountain brush plant community reference area did not achieve sample adequacy for cover in both years 2012 and 2014. The mountain brush community accounts for 48.9% of the reclamation cover standard. Although this is not ideal, the Division will accept the reclamation standard for the following two reason: 1) the upper limit of the possible values of the true mean was determined and used for the standard and 2) the reclaimed area cover value was 14.9% points greater than the standard in 2012 and 15% points greater in 2014.

I do not have any adequacy questions or comments.

