COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources
1313 Sherman Street, Room 215
Denver, CO 80203

June 30, 2021

Miguel Hamarat
Climax Molybdenum Company
P.O. Box 68
Empire, CO 80436

Re: Climax Molybdenum Company; Henderson Mine; File No. M-1977-342
MNGW-1 Low pH Status Update Review Memo

Mr. Hamarat:

The Division of Reclamation, Mining and Safety (Division/DRMS) reviewed of the content of the Henderson Mine Point of Compliance Well MNGW-1 Low pH Status Update report dated April 7, 2021 for the Henderson Mine, Permit No. M-1977-342. A copy of the review memo from Patrick Lennberg dated June 21, 2021 is attached for review.

If you have any questions, please contact me at peter.hays@state.co.us or (303) 866-3567 Ext. 8124.

Sincerely,

Peter S. Hays
Environmental Protection Specialist

Enclosure – Review Memo

Ec: Jared Ebert; Division of Reclamation, Mining & Safety

COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources

Date: June 21, 2021

To: Peter Hays, DRMS

From: Patrick Lennberg, DRMS

RE: **Henderson Mine POC Well MNGW-1 Low pH Status Update Review Memo, Climax Molybdenum, Henderson Mine, File no. M-1977-342**

On April 15, 2021, I was requested to review the report *Henderson Mine Point of Compliance Well MNGW-1 Low pH Status Update* by Ajax and Clear Creek Associates dated April 7, 2021. Below are follow-up questions that should be addressed.

General Review

The Division agrees with the report's findings that the low pH values in MNGW-1 and other wells in the vicinity is being caused, in part, by the unlined diversion ditch being a losing stream in the area. As noted in the report No Name Gulch was diverted to allow for the installation of a mine surface facility.

1. Please provide an updated figure that shows the original alignment of the No Name Gulch and state whether or not it originally flowed into the West Fork of Clear Creek.

2. Are there any surface water samples from the West Fork of Clear Creek down gradient of No Name Gulch prior to the diversion being installed? If so please provide a summary of the results.

3. Please comment on the following, the Division believes if No Name Gulch was conveyed into a lined ditch (to prevent it from being a losing stream) or drain pipe the low pH values seen in the monitoring wells would cease.

4. What would be the expected impacts to the West Fork of Clear Creek if there was periodic discharge from No Name Gulch?

If you need additional information or have any questions, please let me know.

Sincerely,

Patrick Lennberg
Environmental Protection Specialist

cc: Jared Ebert, DRMS