



Copper Queen Branch/Freeport-McMoRan Corporation
36 West Highway 92
Bisbee, Arizona 85603

July 19, 2010

Ms. Cynthia Campbell
Water Quality Compliance Section
Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, Arizona 85007

**Re: Mitigation Order on Consent No. P-121-07
Focused Bedrock Investigation Work Plan**

Dear Ms. Campbell:

Freeport-McMoRan Corporation, Copper Queen Branch (CQB) has reviewed the Arizona Department of Environmental Quality (ADEQ) comments dated July 13, 2010 pertaining to the work plan for the focused bedrock investigation. CQB's responses to the comments are below.

- Aquifer testing will be conducted using the procedures described in Section 4.3.8 of Appendix F of the work plan for the Mitigation Order investigation¹.
- Video and acoustic televiewer surveys will be conducted on the bedrock portions of the boreholes of the two proposed monitoring wells as recommended by ADEQ because these methods can provide direct observations of geologic structures such as faults and bedding planes. If successful, the acoustic televiewer can provide quantitative estimates of the frequency and orientation of structures. Caliper, resistivity, gamma, and neutron surveys will not be conducted because they do not allow direct observations of geologic structures.

If you have any questions regarding these matters, please contact me or our project manager Stuart Brown.

Sincerely,

Rebecca A. Sawyer
Sr. Environmental Engineer
Freeport-McMoRan Corporation, Copper Queen Branch

¹ Hydro Geo Chem, Inc. 2008. Revision 1 Work Plan to Characterize and Mitigate Sulfate with respect to Drinking Water Supplies in the Vicinity of the Concentrator Tailing Storage Area, Cochise County, Arizona. July 3, 2008.

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cc: Michael Jaworski, Freeport-McMoRan Corporation, Copper Queen Branch
Stuart Brown, Freeport-McMoRan Copper and Gold Inc.
Jim Norris, Clear Creek Associates