



GRANTS OFFICE

Alan D. Cox
Project Manager - Grants

23 September 2010

U.S. Nuclear Regulatory Commission
Attn: John Buckley
Mail Stop T 8 F 5
11545 Rockville Pike
Rockville, MD 20852-2738

RE: Grants Reclamation Project

R M License SUA-1471

Repair of Radon Barrier / Rock Cover on Sideslope of HMC Large Tailings Pile

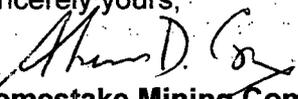
Dear Mr. Buckley:

This is to advise you of our plans to repair/restore three water eroded areas of the radon barrier that were created as a result of recent high rainfall events at the site. Water runoff from the top of the pile was preferentially directed to three areas on the top of the south side of the large tailings pile. The pooled water spilled over temporary berms that had been constructed to direct the water to collection drain points. The three eroded areas are a few feet across and up to 30 feet long. No uranium mill tailings have been exposed based on radiological surveys that we have performed.

We plan to conduct the restoration work in full compliance with License Conditions 37A, 37C, and 37D of our license, SUA-1471. The work will consist of removing and stockpiling the erosion protection layer in the affected area for later use, removing radon barrier to the depth of erosion and stockpiling for replacement, and obtaining additional radon barrier from the NRC-approved North Borrow Area as needed for restoration to the original thickness. The radon barrier will be placed in lifts, compacted, and tested according to the original specifications. Radon flux measurements will be performed prior to placement of the erosion protection layer. All work will be documented and done in accordance with the quality assurance and control program that was used in the original radon barrier placement.

Because of approaching cold weather, we plan to initiate this work during October with completion as soon as feasible. Please advise me if you have any suggested changes in our approach to address this issue. I can be reached at (505) 287-4456 or via cell phone at (505) 400-2794.

Sincerely yours,


Homestake Mining Company
Of California

Alan D. Cox
Project Manager / RSO

Cc: R. Chase - SLC (via electronic file)
B. Ferdinand - SLC (via electronic file)
P. Malone - SLC (via electronic file)

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