



Homestake Mining Company of California

Jesse R. Toepfer  
*Closure Manager*

8 January 2014

Mr. Jack Parrott, Sr. Project Manager  
c/o Document Control Desk  
Fuel Cycle Facilities Branch (Mailstop T8-A33)  
Division of Fuel Cycle Safety and Safeguards  
Office of Nuclear Materials Safety and Safeguards  
U. S. Nuclear Regulatory Commission  
11545 Rockville Pike  
Two White Flint North  
Rockville, MD 20852-2738

**RE: Status Update on Initiatives to Treat and Contain Groundwater Plume Contamination per the Corrective Action Plan (CAP)**

Dear Mr. Parrott:

The enclosed map shows the quarter quarter locations where Homestake (HMC) plans to drill wells over the course of the next three years. We believe this initiative is in good keeping with the expectations of the Corrective Action Plan (CAP). Specifically, plume control is mentioned in Section 5.3.2 of the existing CAP, while Section 6.3.2 of the Updated CAP discusses the use of a similar restoration strategy for the future. A list of the number of proposed wells and their general locations can be found in Table I-1 of Appendix I.

HMC believes installing and completing these wells is necessary to complete the Grants groundwater restoration obligations outlined in the CAP. Our plan is to use some of the wells for collection and some for injection in a typical five-spot injection-collection pattern. The individual function of each well (i.e., injection or collection) may be adjusted based on observed conditions after initial operation.

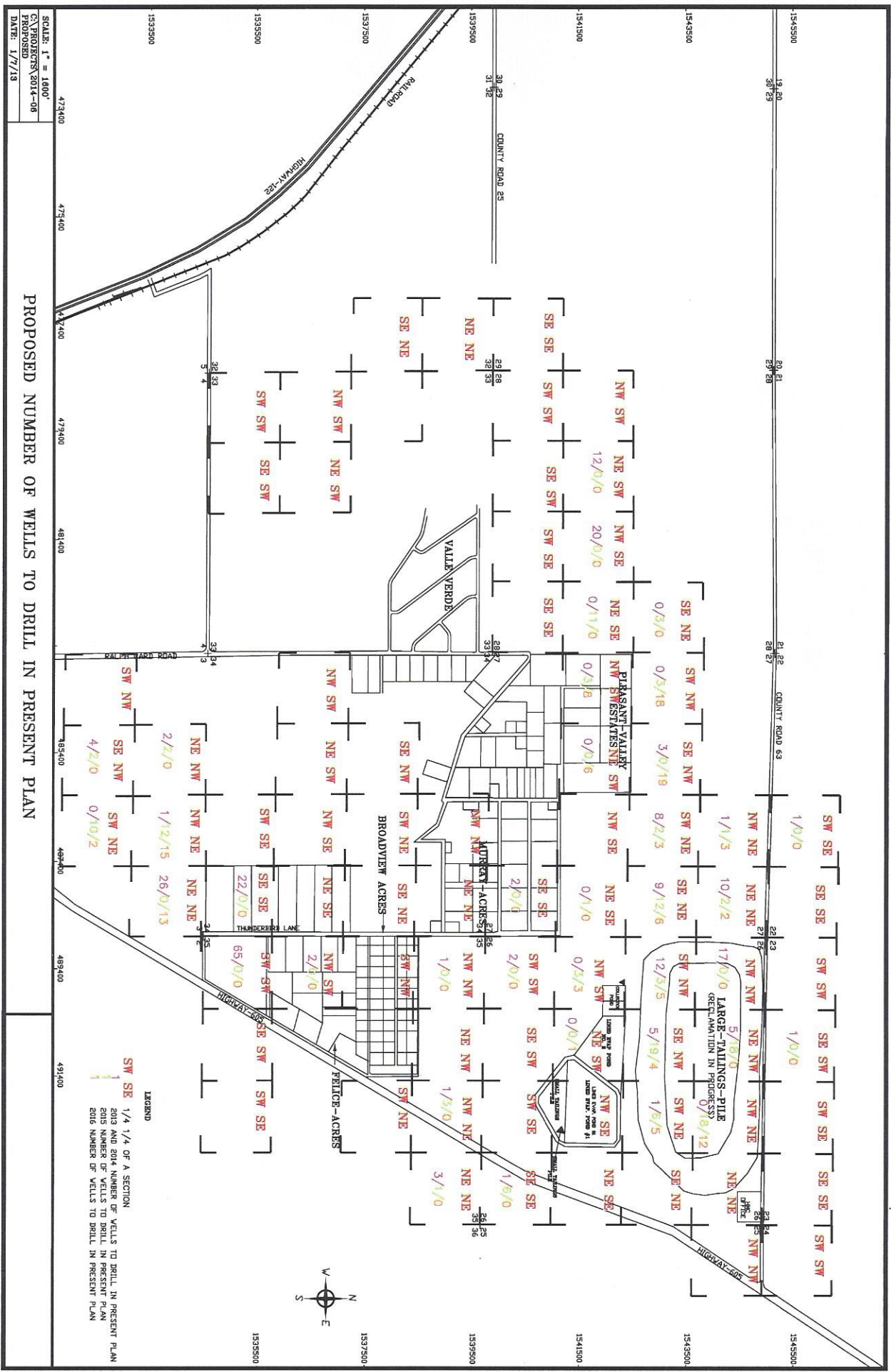
We are providing this information to NRC to keep you apprised of the initiatives we are taking to fulfil our CAP obligations. Should you or any members of the NRC staff have any questions, comments, or concerns regarding these activities, please respond within thirty (30) days of the date of this letter. I can also be reached at the Grants site (505) 287-4456 ext. 34 or via cell phone at (505) 290-3067.

Respectfully,

Jesse R. Toepfer  
Closure Manager  
HOMESTAKE MINING COMPANY OF CALIFORNIA

Enclosures (1)

xc: Mr. J. Giraudo, Barrick – Salt Lake City, UT, w/enclosure  
Mr. B. Ferdinand, Barrick – Salt Lake City, UT, w/enclosure  
Mr. P. Malone, Barrick – Salt Lake City, UT, w/enclosure  
Mr. G. Hoffman, Hydro-Engineering – Casper, WY, w/enclosure



PROPOSED NUMBER OF WELLS TO DRILL IN PRESENT PLAN

SCALE: 1" = 100'  
 C:\PROJECTS\2014-06  
 PROPOSED  
 DATE: 1/7/13

LEGEND  
 SW SE 1/4 1/4 OF A SECTION  
 2013 AND 2014 NUMBER OF WELLS TO DRILL IN PRESENT PLAN  
 2015 NUMBER OF WELLS TO DRILL IN PRESENT PLAN  
 2016 NUMBER OF WELLS TO DRILL IN PRESENT PLAN

