



06 January 2020

Ms. Ashlynn Winton  
Mining Environmental Compliance Section  
Ground Water Quality Bureau  
New Mexico Environment Department  
P.O. Box 5469  
Santa Fe, NM 87502

**RE: Homestake Mining Company, Grants Reclamation Project, License Source Materials License SUA-1471, Docket Number 40-8903; NMED Discharge Permit DP-200: 7-Day Notification of Unauthorized Discharge from Injection Wellfield**

Dear Ms. Winton:

This letter will serve as the seven-day report as required by 20.6.2.1203.A (3) NMAC in the Homestake Mining Company (HMC) Discharge Permit (DP-200). The letter confirms the details of the unauthorized release of compliant water from the HMC Injection Wellfield as notified verbally on 01/01/2020 via phone call.

During the night of December 31<sup>st</sup>, a flowmeter associated with the injection water in the "Q-Y" field froze and broke. This injection line is the same line that froze and broke on December 20/21 and it broke in the same location at the flowmeter. The injection system was shutdown and repaired the same day (12/31).

Estimate of spill area, volume, and water quality are as follows;

- Surface Area (SA)
  - 15,000 ft<sup>2</sup>
- Volume of Water; Method (assuming a depth of 0.167 ft)
  - $(15,000 \text{ ft}^2 \times 0.167 \text{ ft}) \times 7.48 \text{ gal/ft}^3 = 18,737 \text{ gals}$
  - $18,737 \text{ gals} \times 1.5 = 28,106 \text{ gals}$ 
    - An estimation factor of 1.5 was applied to account for water taken by the ground. 50% above calculated the volume of water on the surface.
- Volume of Water; Method #2
  - $100 \text{ gpm} \times 60 \text{ min} \times 4 \text{ hr.} = 24,000 \text{ gals}$ 
    - The values of 100 gpm and 4hrs. were assumptions made by Field Technician when assessing the spill.
- Water Quality;
  - December's composite SP2 sample for injection water, which was involved in the spill, is at 0.02 mg/l for U vs. the Site Standard of 0.16 mg/l.

*RE: -Seven Day Notification of Unauthorized Discharge from December 31 Broken Injection Water Line*

If you have any questions or comments regarding this matter, please contact me via e-mail at [dpierce@homestakeminingco.com](mailto:dpierce@homestakeminingco.com) or at the Grants office at 505.238.9701.

Respectfully,

A handwritten signature in blue ink that reads "David W. Pierce".

**David W. Pierce**

Closure Manager  
Homestake Mining Company of California  
Office: 505.287.4456 x34 | Cell: 505.238.9701

Copy To:

R. Linton, NRC, Rockville, Maryland (electronic copy)  
Mark Purcell, EPA, Dallas, Texas (electronic copy)  
M. McCarthy, Barrick, Salt Lake City, Utah (electronic copy)  
C. Burton, Barrick, Henderson, Nevada (electronic copy)  
R. Whicker, ERG, Albuquerque, New Mexico (electronic copy)