



40-8903

7 December 2017

Mr. Christopher Burrus  
Office of the State Engineer, District I  
5550 San Antonio Dr., NE  
Albuquerque, New Mexico 87109-4127

**RE: Homestake Mining Company's (Homestake) Water Use Report Letter of Information No. 679 for November 2017**

Dear Mr. Burrus,

This information is relative to files 1605 and B-28 for November 2017.

On November 27, 2017 the meter readings for Deep Well #1 (B-28-S), Deep Well #2 (B-28-S-1), well 943 (B-28-S-329), and well 951R (B-28-POD1340) were 541,709,440, 464,063,000, 38,724,200 and 832,635,000 gallons, respectively. Monthly meter readings and volumes are presented in Table 2.

Metered gallons of 47,269,766 [total water injected] or 145.1 acre-feet (see next to last column in Table 1) were injected into wells in the San Mateo alluvial aquifer and the upper Chinle Formation, all located in Sections 26, 27, 28, 29 and 35 T12N, R10W. As stated in Permit No. 1605 and B-28 Temp, Homestake requests return flow credits for water that is returned to underground aquifers. A portion of this injected water was alluvial aquifer water treated by reverse osmosis.

A monthly total of [industrial diversion] 53,080,847 metered gallons or 162.9 acre-feet (see tenth column in Table 1) of water were pumped from Homestake's production wells, of which 47,269,766 metered gallons [total water injected], were returned to the Bluewater underground water basin. Metered water used for industrial purposes was [industrial consumption] 5,811,081 gallons or 17.8 acre feet for November.

Thank you very much for your time and attention, if you have any questions regarding the foregoing information, I can be reached at 505-290-2187.

Respectfully,

**Thomas Wohlford, Hydrogeologist, CPG**  
Closure Manager  
HOMESTAKE MINING COMPANY OF CALIFORNIA

NMSSD1

Marked as original by PH JAW



Grants Project

Homestake Mining Company of California

Monthly Water Usage Report to NM OSE November 2017

7 December 2017

Copy To:

Document Control Desk, NRC, Washington, DC (w/encl.)  
M. Meyer, NRC, Rockville, Maryland (electronic copy)  
B. Pearson, NMED, Santa Fe, New Mexico (electronic copy)  
B. Tsosie, DOE, Grand Junction, Colorado (electronic copy)  
S. Appaji, Region VI EPA, Dallas, Texas (electronic copy)  
M. McCarthy, Barrick, Salt Lake City, Utah (electronic copy)  
H. Burns, Barrick, Toronto, Ontario (electronic copy)  
C. Burton, Barrick, San Francisco, California (electronic copy)  
G. Hoffman, Hydro-Engineering, Casper, Wyoming (electronic copy)

**TABLE 1. HOMESTAKE RESTORATION VOLUME  
WATER DIVERSION, INJECTION AND CONSUMPTION, (AC-FT)**

2017	On-Site Collection	San Andres Pumping	Off-Site Collection						Total Diversion
			Alluvial	Upper Chinle	Middle Chinle	Lower Chinle	South Off-Site Total	North Off- Site Total	
Jan	64.0	69.4	50.5	0.0	7.3	0.0	57.8	46.5	237.7
Feb	56.2	67.5	13.4	0.0	1.8	0.0	15.2	11.6	150.5
Mar	57.4	74.4	7.7	0.0	1.4	0.0	9.1	6.3	147.2
Apr	52.2	67.8	7.0	0.0	1.4	0.0	8.4	13.1	141.5
May	91.3	80.9	14.5	0.0	3.6	0.0	18.2	27.9	218.2
Jun	72.6	26.5	43.1	0.0	6.9	0.0	50.0	21.3	170.3
Jul	83.9	45.5	6.5	0.0	0.0	0.0	6.5	15.1	151.0
Aug	35.7	47.1	0.0	0.0	0.0	0.0	0.0	5.3	88.1
Sep	52.8	48.2	0.0	0.0	0.0	0.0	0.0	1.9	102.9
Oct	92.6	69.6	0.0	0.0	0.0	0.0	0.0	6.8	169.0
Nov	68.9	56.0	12.3	0.0	2.3	0.0	14.6	23.5	162.9
Dec									

On-Site Injection	South Off- Site Injection	North Off- Site Injection	Total Injection	Total Consumptive
72.0	62.3	80.9	215.1	22.6
68.7	26.5	41.1	136.4	14.1
49.6	34.0	46.8	130.4	16.8
49.6	29.6	46.8	126.0	15.5
74.7	42.5	65.5	182.7	35.5
59.8	38.0	51.5	149.3	21.0
63.2	18.6	33.1	115.0	36.0
46.6	11.2	18.5	76.3	11.8
47.2	11.2	31.7	90.2	12.7
84.5	22.0	44.8	151.3	17.7
77.8	22.1	45.1	145.1	17.8

