



Homestake Mining Company of California

Thomas Wohlford
Closure Manager

40-8903

8 January 2018

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. 680 for December 2017

Dear Mr. Burrus,

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

On December 26, 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, 475,532,000, 38,724,200 and 839,329,000 gallons, respectively. Monthly meter readings and volumes are presented in Table 2.

Metered gallons of 64,797,847 [total water injected] or 198.9 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] 71,230,266 metered gallons or 218.6 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] 6,432,419 gallons or 19.8 acre feet for December.

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,

A handwritten signature in cursive script that reads "Thomas Wohlford".

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

NM5501

Marked as original by PM
JAW



Grants Project

Homestake Mining Company of California

Monthly Water Usage Report to NM OSE December 2017

8 January 2018

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- S. Appaji, Region VI EPA, Dallas, Texas (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	73.7	55.7	44.9	0.0	8.2	0.0	53.2	36.0	218.6

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
92.0	38.0	68.9	198.9	19.8

**TABLE 2. HOMESTAKE SAN ANDRES WELLS' MONTHLY
METER READINGS AND VOLUMES**

2017	Deep#1 (B-28-S)		Deep Well #2 (B-28-S-1)		Well 943 (B-28-S-329)		Well 951R (B-28-POD1340)	
	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)
Dec. 2016	541,709,440		337,841,000		20,666,900		764,235,000	
Jan	541,709,440	0	352,776,000	14,935,000	20,666,900	0	771,917,000	7,682,000
Feb	541,709,440	0	365,044,000	12,268,000	24,051,300	3,384,400	778,266,000	6,349,000
Mar	541,709,440	0	376,129,000	11,085,000	30,838,900	6,787,600	784,623,000	6,357,000
Apr	541,709,440	0	388,235,000	12,106,000	34,462,300	3,623,400	790,974,000	6,351,000
May	541,709,440	0	402,292,000	14,057,000	38,553,700	4,091,400	799,184,000	8,210,000
Jun	541,709,440	0	407,193,000	4,901,000	38,553,700	0	802,908,000	3,724,000
Jul	541,709,441	0	416,509,000	9,316,000	38,553,700	0	808,417,000	5,509,000
Aug	541,709,441	0	429,058,000	12,549,000	38,596,200	42,500	811,169,000	2,752,000
Sep	541,709,441	0	438,068,000	9,010,000	38,596,200	0	817,852,000	6,683,000
Oct	541,709,441	0	452,339,000	14,271,000	38,724,100	127,900	826,127,000	8,275,000
Nov	541,709,441	0	464,063,000	11,724,000	38,724,100	0	832,635,000	6,508,000
Dec	541,709,441	0	475,532,000	11,469,000	38,724,100	0	839,329,000	6,694,000