HOMESTAKE
Grants Project

Homestake Mining Company of California

Thomas Wohlford
Closure Manager

January 9, 2019

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

40-8903

RE: Homestake Mining Company's (Homestake) Water Use Report Letter of Information No. 692 for December 2018

Dear Mr. Burrus,

This information is relative to files 1605 and B-28 for December 2018.

On December 19, 2018 the meter readings for Deep Well #1 (B-28-S), Deep Well #2 (B-28-S-1) and well 951R (B-28-POD1340) were 541,737,984, 616,313,000 and 847,284,000 gallons, respectively. Only well Deep Well #2 had water usage this month. Monthly meter readings and volumes of water usage are presented in Table 2.

Metered gallons of 24,265,893 [total water injected] or 74.5 acre-feet (see next to last column in Table 1) were injected into wells in the San Mateo alluvial aquifer and the Upper and Middle Chinle aquifers, all located in Sections 26, 27, 28, 34 and 35 T12N, R10W and Section 3 T11N, 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 shallow aquifer water treated by reverse osmosis and zeolite.

A monthly total of [industrial diversion] 30,307,250 metered gallons or 93.0 acre-feet (see tenth column in Table 1) of water were pumped from Homestake's production wells, of which 24,265,893 metered gallons [total water injected], were returned to the Bluewater underground water basin. Metered water used for industrial purposes was [industrial consumption] 6,041,357 gallons or 18.5 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,

Thomas P. Wohlford

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

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

2018	On-Site Collection	San Andres Pumping	Off-Site Collection						Total Diversion
			South					North	
			Alluvial	Upper Chinle	Middle Chinle	Lower Chinle	Off-Site Total	Off-Site Total	
Jan	66.0	52.1	38.4	0.0	10.4	0.0	48.8	48.6	215.5
Feb	33.5	37.6	11.6	0.0	2.7	0.0	14.4	27.8	113.3
Mar	37.2	54.9	0.0	0.0	0.0	0.0	-0.1	2.5	94.6
Apr	66.0	50.8	0.1	0.0	-0.1	0.0	0.0	12.0	128.7
May	55.6	39.0	7.5	0.0	3.2	0.0	10.7	15.4	120.8
Jun	66.2	33.7	12.7	0.0	9.7	0.0	22.4	13.6	135.9
Jul	70.7	38.1	29.3	0.0	11.4	0.0	40.8	4.8	154.3
Aug	62.2	30.5	67.6	0.0	18.6	0.0	86.2	3.8	182.8
Sep	50.7	30.5	30.2	0.0	18.7	0.0	48.8	10.3	140.3
Oct	82.6	40.7	16.8	0.0	10.2	0.0	27.0	1.9	152.3
Nov	61.6	33.1	0.0	0.0	0.3	0.0	0.3	0.2	95.2
Dec	51.4	26.8	0.1	0.0	2.2	0.0	2.2	15.0	95.4

On-Site Injection	South Off-Site Injection	North Off-Site Injection	Total Injection	Total Consumptive
98.1	37.0	66.1	201.2	14.3
46.0	22.2	41.2	109.4	3.9
35.5	14.3	39.4	89.2	5.4
51.7	22.8	43.4	117.9	10.8
40.6	19.0	29.9	89.4	31.4
54.1	19.1	42.2	115.5	20.5
60.7	22.3	46.1	129.1	25.3
75.8	21.1	59.1	156.0	26.8
49.6	22.3	46.8	118.7	21.6
53.7	26.7	44.0	124.4	27.9
38.5	16.4	25.4	80.3	14.8
40.4	13.3	20.8	74.5	20.9

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

	Deep#1 (B-28-S)		Deep Well #2 (B-28-S-1)		Well 951R (B-28-POD1340)	
2018	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)
Dec. 2017	541,737,984		475,532,000		839,329,000	
Jan	541,737,984	0	487,811,000	12,279,000	841,280,000	1,951,000
Feb	541,737,984	0	500,071,000	12,260,000	841,287,000	0
Mar	541,737,984	0	512,819,000	12,748,000	846,429,000	5,142,000
Apr	541,737,984	0	527,569,000	14,750,000	848,290,000	1,789,000
May	541,737,984	0	540,278,000	12,709,000	848,290,000	0
Jun	541,737,984	0	551,258,000	10,980,000	848,294,000	0
Jul	541,737,984	0	563,668,000	12,410,000	848,017,000	0
Aug	541,737,984	0	573,620,000	9,952,000	847,580,000	0
Sep	541,737,984	0	583,555,000	9,935,000	847,525,000	0
Oct	541,737,984	0	596,819,000	13,264,000	847,251,000	0
Nov	541,737,984	0	607,591,000	10,772,000	847,251,000	0
Dec	541,737,984	0	616,313,000	8,722,000	847,284,000	0