



Homestake Mining Company of California

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January 10, 2022

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

**RE: Homestake Mining Company - Grants Reclamation Project Water Use
Report Letter of Information No. 728 for December 2021, Docket No. 040-
08903, License SUA-1471**

Mr. Burrus,

In accordance with the Settlement Agreement associated Office of the State Engineer File Nos. 1605 and B-28 and issued October 31, 2016, Homestake Mining Company of California (Homestake) hereby submits the December 2021 data as required by Proposed Conditions of Approval item 2. A summary of the required reporting is provided below.

A total of 34,544,455 metered gallons (106.0 acre-feet) 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 (Table 1). As stated in File Nos. 1605 and B-28, 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 35,522,872 metered gallons (109.0 acre-feet) of water were pumped from Homestake's production wells, of which 34,544,455 metered gallons were returned to the Bluewater underground water basin (Table 1). Metered water usage for industrial purposes was 978,417 gallons (3.0 acre feet) for December (Table 1).

On December 27, 2021, the meter readings for Deep Well #1R (B-28-POD1338), Deep Well #2 (B-28-S-1) and well 951R (B-28-POD1340) were 63,253,613, 975,973,000 and 849,459,000 gallons, respectively. Monthly meter readings and volumes of water used are presented in Table 2.

Thank you for your time and attention on this matter. If you have any questions, please contact me via e-mail at bbingham@homestakeminingco.com or via phone at 505.290.8019.

Respectfully,

A handwritten signature in blue ink, reading "Brad R. Bingham".

Brad R. Bingham
Closure Manager
Homestake Mining Company, Grants, New Mexico
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cc: Document Control Desk, NRC, Washington, DC (electronic copy)
R. Linton, NRC, Rockville, Maryland (electronic copy)
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B. Tsosie, DOE, Grand Junction, Colorado (electronic copy)

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

2021	On-Site Collection	San Andres Pumping	Off-Site Collection						Total Diversion
			South					North Off-Site Total	
			Alluvial	Upper Chinle	Middle Chinle	Lower Chinle	Off-Site Total		
Jan	43.9	44.6	12.3	0.0	8.2	0.0	20.4	0.0	109.0
Feb	34.7	31.3	9.0	0.0	10.4	0.0	19.4	0.0	85.4
Mar	34.9	35.4	8.6	0.0	6.8	0.0	15.4	2.2	87.9
Apr	64.3	33.8	5.6	0.0	4.6	0.0	10.2	0.0	108.3
May	77.7	34.8	9.8	0.0	5.2	0.0	15.0	4.7	132.2
Jun	96.8	44.4	3.9	0.0	3.1	0.0	7.0	0.9	149.1
Jul	74.4	35.2	10.3	0.0	0.9	0.0	11.2	3.6	124.4
Aug	90.1	37.7	9.9	0.0	4.0	0.0	13.8	0.9	142.6
Sep	33.5	39.6	14.6	0.0	3.5	0.0	18.1	0.0	91.2
Oct	72.4	40.4	15.8	0.0	3.3	0.0	19.1	0.0	131.9
Nov	94.1	57.9	10.8	0.0	6.6	0.0	17.3	0.0	169.3
Dec	74.3	30.6	2.1	0.0	2.0	0.0	4.1	0.0	109.0

On-Site Injection	South Off- Site Injection	North Off- Site Injection	Total Injection	Total Consumptive
76.1	24.4	3.2	103.7	5.3
36.5	17.0	6.3	59.9	25.6
46.6	16.0	14.7	77.3	10.6
45.8	17.8	18.7	82.4	26.0
58.8	18.8	22.0	99.7	32.5
63.8	20.1	26.1	109.9	39.1
71.0	16.7	23.3	111.0	13.4
75.4	19.7	30.7	125.8	16.8
45.3	21.6	18.6	85.5	5.7
85.1	6.7	28.8	120.6	11.3
110.4	4.0	32.5	146.9	22.5
51.9	29.9	24.3	106.0	3.0

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

2021	Deep Well #1R (B-28-POD1338)		Deep Well #2 (B-28-S-1)		Well 951R (B-28-POD1340)	
	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)
Dec. 2020	0		884,064,000		849,307,000	
Jan	0	0	898,564,000	14,500,000	849,337,000	30,000
Feb	0	0	908,729,000	10,165,000	849,379,000	42,000
Mar	0	0	920,199,000	11,470,000	849,433,000	54,000
Apr	0	0	931,214,000	11,015,000	849,433,000	0
May	0	0	942,549,000	11,335,000	849,450,000	17,000
Jun	0	0	956,982,000	14,433,000	849,480,000	30,000
Jul	0	0	972,047,000	11,449,400	849,514,000	34,000
Aug	8,366,702	8,366,702	975,973,000	3,926,000	849,444,600	0
Sep	21,272,563	12,905,861	975,973,000	0	849,455,000	10,400
Oct	34,416,931	13,144,368	975,973,000	0	849,455,000	0
Nov	53,277,913	18,860,982	975,973,000	0	849,459,000	0
Dec	63,253,613	9,975,700	975,973,000	0	849,459,000	0
TOTAL		63,253,613		88,293,400		217,400