



Homestake Mining Company of California

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September 9, 2022

Mr. Doug Crosby
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. 736 for August 2022, Docket No. 040-
08903, License SUA-1471**

Mr. Crosby,

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 August 2022 data as required by Proposed Conditions of Approval item 2. A summary of the required reporting is provided below.

A total of 24,773,113 metered gallons (76.0 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 30,774,756 metered gallons (94.4 acre-feet) of water were pumped from Homestake's production wells, of which 24,773,113 metered gallons were returned to the Bluewater underground water basin (Table 1). Metered water usage for industrial purposes was 6,001,643 gallons (18.4 acre feet) for August (Table 1).

On August 30, 2022, the meter readings for Deep Well #1R (B-28-POD1338), Deep Well #2R (B-28-POD1339) and well 951R (B-28-POD1340) were 178,191,719, 000,000,000 and 849,476,000 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 that reads "Brad R. Bingham". The signature is fluid and cursive, with the first name "Brad" and last name "Bingham" clearly legible.

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)
A. Maurer, NMED, Santa Fe, New Mexico (electronic copy)
M. Purcell, Region VI EPA, Dallas, Texas (electronic copy)
W. Frazier, DOE, Grand Junction, Colorado (electronic copy)

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

2022	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	94.9	50.1	12.3	0.0	4.8	0.0	17.1	8.4	170.5
Feb	69.9	40.2	19.0	0.0	4.9	0.0	23.9	8.6	142.7
Mar	76.2	41.9	12.7	0.0	4.6	0.0	17.3	6.0	141.5
Apr	74.4	43.3	18.3	0.0	5.5	0.0	23.8	6.2	147.7
May	68.5	49.3	13.3	0.0	12.5	0.0	25.7	4.6	148.0
Jun	38.3	47.6	6.4	0.0	3.4	0.0	9.8	1.4	97.1
Jul	79.4	46.6	10.1	0.0	2.3	0.0	12.4	2.4	140.8
Aug	49.8	33.7	6.7	0.0	1.4	0.0	8.0	2.8	94.4
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

On-Site Injection	South Off- Site Injection	North Off- Site Injection	Total Injection	Total Consumptive
88.4	21.5	29.2	139.1	31.4
84.0	15.7	19.9	119.6	23.1
75.8	17.9	20.7	114.5	27.0
77.0	13.4	20.1	110.5	37.3
85.7	13.5	21.5	120.8	27.2
58.3	9.8	15.3	83.4	13.8
73.4	14.9	23.2	111.4	29.4
51.5	9.9	14.6	76.0	18.4
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

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

2022	Deep Well #1R (B-28-POD1338)		Deep Well #2R (B-28-POD1339)		Well 951R (B-28-POD1340)	
	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)
Dec. 2021	63,253,613		0		849,459,000	
Jan	79,553,085	16,299,472	0	0	849,459,000	0
Feb	92,661,847	13,108,762	0	0	849,464,000	5,000
Mar	106,326,539	13,664,692	0	0	849,464,000	0
Apr	120,439,774	14,113,235	0	0	849,464,000	0
May	136,494,810	16,055,036	0	0	849,473,000	9,000
Jun	152,006,701	15,511,891	0	0	849,473,000	0
Jul	167,200,495	15,193,794	0	0	849,473,000	0
Aug	178,191,719	10,991,224	0	0	849,476,000	0
Sep	178,191,719	0	0	0	849,476,000	0
Oct	178,191,719	0	0	0	849,476,000	0
Nov	178,191,719	0	0	0	849,476,000	0
Dec	178,191,719	0	0	0	849,476,000	0
TOTAL		114,938,106		0		14,000