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Oklahoma Water Resources Board

August 31, 2022

Oklahoma Water Resources Board
Planning and Management Division
3800 North Classen Boulevard
Oklahoma City, OK 73118-2855

Attn: Matt Cogburn

RE: Arbuckle-Simpson Pit Water Report

Dear Mr. Cogburn,

Enclosed please find US Silica's Pit Water Report for second quarter 2022. Also enclosed are the water discharge reports for the months in which we claimed stream augmentation credits.

Please contact me at quigley@ussilica.com or (580) 371-5254 if there are questions.

Best regards,



Jason Quigley
Plant Manager

CC: David Olchawa, US Silica
Wes Penn, US Silica
Monty Tolbert, US Silica

P.O. Box 36, 4800 State Highway 1 North, Mill Creek, OK 74856-0036

phone (800) 445-3950 (580) 384-5241 *fax* (580) 384-5216 *web*
www.ussilica.com

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PIT WATER MONITORING AND USAGE REPORT

Oklahoma Water Resources Board

TYPE OF REPORT	<input checked="" type="checkbox"/> QUARTERLY	<input type="checkbox"/> ANNUAL
REPORTING PERIOD	QUARTER ENDING June 30, 2022	YEAR ENDING

COMPANY NAME	US Silica Company	FACILITY	Mill Creek Mine
ADDRESS	PO Box 36 4800 Highway 1 North Mill Creek, OK 74856	COUNTY	Johnston

WATER RIGHT INFORMATION

SOURCE	1190	Arbuckle Simpson
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GROUND WATER PERMIT NUMBER	1974-266	
PERMITTED VOLUME	777	ACRE-FEET PER YEAR *
PERMIT STATUS	<input checked="" type="checkbox"/> PERMANENT	<input type="checkbox"/> TEMPORARY

* Permitted volume includes additional water rights owned and leased applied to MEPS

STREAM WATER PERMIT NUMBER	1973-412	
PERMITTED VOLUME	43	ACRE-FEET PER YEAR
PERMIT STATUS	<input checked="" type="checkbox"/> PERMANENT	<input type="checkbox"/> TEMPORARY

ACCUMULATION AND DISPOSITION OF PIT WATER	ACRE-FEET *
Total water diverted from the pit	630
Surface water entering the pit	93
Groundwater entering the pit	537
Groundwater diverted from the pit	537
Returned to a mine pit or holding basin	0
Returned to the land surface from which runoff flows into a mine pit	0
Returned to the groundwater basin by recharge	438
Discharged to a definite stream for credit	123
Driven off the mined material by drying	17
Evaporated from the active mine pit	29
Total consumptive use of mine pit water	-234

* All volumes measured or reasonably estimated

Signature of Water Right Holder or Authorized Agent: *Jason Quigley* Date: *8/31/22*

PRINTED NAME	Jason Quigley
TITLE	Plant Manager
TELEPHONE	(580) 371-5254

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U.S. Silica Mill Creek Plant

Discharge Log

Out Fall 006

Apr-22

Oklahoma Water Resources Board

Day	Time 24 hr Clock	Gate Open/ Closed	Dis charge Depth Inches	Dis charge Rate (CFS)	Dis charge Rate (MGD)	Daily Dischg (Ac-Ft)	Mill Creek Flow Rate (CFS)	Stream Aug-ment Credit (Ac-Ft)	Gist Guage Rod Feet	Johnson Guage Rod Feet
1		Open	3	1.249	0.807	2.48	0.14	2.48	4.30	2.70
2		Open	3	1.249	0.807	2.48	0.45	2.48	4.30	2.70
3		Open	3	1.249	0.807	2.48	0.62	2.48	4.30	2.70
4	15:40	Open	2	0.701	0.453	1.39	0.62	1.39	4.30	2.60
5	14:24	Open	2	0.701	0.453	1.39	1.29	1.39	4.30	2.60
6		Open	2	0.701	0.453	1.39	0.82	1.39	4.30	2.60
7		Open	2	0.701	0.453	1.39	0.54	1.39	4.30	2.60
8	10:05	Open	1	0.226	0.146	0.45	0.31	0.45	4.30	2.50
9		Open	1	0.226	0.146	0.45	0.31	0.45	4.30	2.50
10		Open	1	0.226	0.146	0.45	0.31	0.45	4.30	2.50
11	15:47	Open	2	0.701	0.453	1.39	0.14	1.39	4.30	2.60
12		Open	2	0.701	0.453	1.39	0.93	1.39	4.30	2.60
13	15:32	Open	3	1.249	0.807	2.48	1.71	2.48	4.30	2.70
14		Open	3	1.249	0.807	2.48	1.29	2.48	4.30	2.70
15		Open	3	1.249	0.807	2.48	2.19	2.48	4.30	2.70
16		Open	3	1.249	0.807	2.48	2.36	2.48	4.40	2.70
17		Open	3	1.249	0.807	2.48	1.86	2.48	4.30	2.70
18		Open	3	1.249	0.807	2.48	1.43	2.48	4.30	2.70
19	8:47	Open	0	0	0	0.00	1.04	0.00	4.30	2.40
20	10:45	Open	0	0	0	0.00	1.57	0.00	4.30	2.40
21	16:32	Open	1	0.226	0.146	0.45	1.17	0.45	4.20	2.50
22	12:20	Open	1	0.226	0.146	0.45	1.43	0.45	4.30	2.50
23		Open	1	0.226	0.146	0.45	1.29	0.45	4.30	2.50
24		Open	1	0.226	0.146	0.45	1.29	0.45	4.30	2.50
25	13:10	Open	4	1.894	1.224	3.76	6.18	0.00	4.30	2.80
26	11:22	Open	3	1.249	0.807	2.48	5.64	0.00	4.30	2.70
27	12:13	Open	2	0.701	0.453	1.39	2.97	1.39	4.30	2.60
28	12:46	Open	1	0.226	0.146	0.45	1.64	0.45	4.30	2.50
29		Open	1	0.226	0.146	0.45	1.22	0.45	4.30	2.50
30		Open	1	0.226	0.146	0.45	0.82	0.45	4.30	2.50
31		Open				0.00		0.00		
					13.925	42.7		36.50		

U.S. Silica Mill Creek Plant
Discharge Log
Out Fall 006
May-22

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SEP 06 2022

Oklahoma Water Resources Board

Day	Time 24 hr Clock	Gate Open/ Closed	Dis charge Depth Inches	Dis charge Rate (CFS)	Dis charge Rate (MGD)	Daily Dischg (Ac-Ft)	Mill Creek Flow Rate (CFS)	Stream Aug- ment Credit (Ac-Ft)	Gist Guage Rod Feet	Johnson Guage Rod Feet
1		Open	1	0.226	0.146	0.45	1.00	0.45	4.30	2.50
2	11:00	Open	0	0	0	0.00	1.60	0.00	4.30	2.40
3	15:17	Open	0	0	0	0.00	1.80	0.00	4.30	2.40
4	13:39	Open	3	1.249	0.807	2.48	1.32	2.48	4.30	2.70
5		Open	3	1.249	0.807	2.48	1.47	2.48	4.30	2.70
6	12:52	Open	6	3.532	2.283	7.01	5.34	0.00	4.30	2.90
7		Open	6	3.532	2.283	7.01	7.20	0.00	4.30	2.90
8		Open	6	3.532	2.283	7.01	5.35	0.00	4.30	2.90
9		Open	6	3.532	2.283	7.01	3.92	7.01	4.30	2.90
10		Open	6	3.532	2.283	7.01	2.79	7.01	4.30	2.90
11	14:14	Open	3	1.249	0.807	2.48	1.88	2.48	4.30	2.70
12		Open	3	1.249	0.807	2.48	1.84	2.48	4.30	2.70
13	12:53	Open	3	1.249	0.807	2.48	2.72	2.48	4.30	2.70
14		Open	3	1.249	0.807	2.48	2.36	2.48	4.30	2.70
15		Open	3	1.249	0.807	2.48	2.36	2.48	4.30	2.70
16	11:18	Open	4	1.894	1.224	3.76	2.53	3.76	4.40	2.80
17		Open	4	1.894	1.224	3.76	0.75	3.76	4.40	2.80
18	16:30	Open	10	7.554	4.882	14.98	4.39	14.98	4.30	3.30
19		Open	10	7.554	4.882	14.98	6.45	0.00	4.30	3.30
20	10:30	Open	3	1.249	0.807	2.48	4.39	2.48	4.30	2.70
21		Open	3	1.249	0.807	2.48	2.29	2.48	4.30	2.70
22		Open	3	1.249	0.807	2.48	1.18	2.48	4.30	2.70
23	15:29	Open	0	0	0	0.00	0.54	0.00	4.30	2.40
24		Open	0	0	0	0.00	18.20	0.00	4.30	2.40
25		Open	0	0	0	0.00	85.20	0.00	4.30	2.40
26	10:54	Open	3	1.249	0.807	2.48	21.90	0.00	4.30	2.70
27	13:23	Open	3	1.249	0.807	2.48	10.70	0.00	4.30	2.70
28		Open	3	1.249	0.807	2.48	7.56	0.00	4.30	2.70
29		Open	3	1.249	0.807	2.48	6.22	0.00	4.30	2.70
30		Open	3	1.249	0.807	2.48	5.79	0.00	4.30	2.70
31	14:43	Open	3	1.249	0.807	2.48	5.28	0.00	4.30	2.70
					36.685	112.6			61.72	

U.S. Silica Mill Creek Plant
Discharge Log
Out Fall 006
Jun-22

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Oklahoma Water Resources Board

Day	Time 24 hr Clock	Gate Open/Closed	Dis charge Depth Inches	Dis charge Rate (CFS)	Dis charge Rate (MGD)	Daily Dischg (Ac-Ft)	Mill Creek Flow Rate (CFS)	Stream Aug-ment Credit (Ac-Ft)	Gist Guage Rod Feet	Johnson Guage Rod Feet
1		Open	4	1.894	1.224	3.76	5.28	0.00	4.30	2.70
2	17:18	Open	4	1.894	1.224	3.76	5.34	0.00	4.30	2.70
3	11:31	Open	4	1.894	1.224	3.76	11.00	0.00	4.30	2.70
4		Open	4	1.894	1.224	3.76	5.89	0.00	4.30	2.70
5		Open	4	1.894	1.224	3.76	5.25	0.00	4.30	2.70
6	10:45	Open	2	0.701	0.453	1.39	4.49	1.39	4.30	2.60
7		Open	2	0.701	0.453	1.39	3.10	1.39	4.30	2.60
8	15:19	Open	2	0.701	0.453	1.39	4.02	1.39	4.30	2.60
9	11:42	Open	2	0.701	0.453	1.39	10.20	0.00	4.30	2.60
10	12:07	Open	1	0.226	0.146	0.45	8.49	0.00	4.30	2.50
11		Open	1	0.226	0.146	0.45	4.78	0.45	4.30	2.50
12		Open	1	0.226	0.146	0.45	3.24	0.45	4.30	2.50
13		Open	1	0.226	0.146	0.45	1.95	0.45	4.30	2.50
14		Open	1	0.226	0.146	0.45	1.49	0.45	4.30	2.50
15	14:29	Open	2	0.701	0.453	1.39	1.20	1.39	4.30	2.60
16	14:49	Open	4	1.894	1.224	3.76	0.81	3.76	4.40	2.70
17		Open	4	1.894	1.224	3.76	2.70	3.76	4.40	2.70
18	12:44	Open	3	1.249	0.807	2.48	2.30	2.48	4.30	2.70
19		Open	3	1.249	0.807	2.48	1.71	2.48	4.30	2.70
20		Open	3	1.249	0.807	2.48	1.14	2.48	4.30	2.70
21		Open	3	1.249	0.807	2.48	0.56	2.48	4.30	2.70
22	13:45	Open	0	0	0	0.00	0.49	0.00	4.30	2.40
23		Open	0	0	0	0.00	0.40	0.00	4.30	2.40
24		Open	0	0	0	0.00	0.29	0.00	4.30	2.40
25		Open	0	0	0	0.00	0.43	0.00	4.30	2.40
26		Open	0	0	0	0.00	0.45	0.00	4.30	2.40
27		Open	0	0	0	0.00	0.51	0.00	4.30	2.40
28	10:20	Open	0	0	0	0.00	0.62	0.00	4.30	2.40
29		Open	0	0	0	0.00	0.42	0.00	4.30	2.40
30	13:20	Open	0	0	0	0.00	0.45	0.00	4.30	2.40
31		Open				0.00		0.00	4.30	
					14.791	45.4		24.77		