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Oklahoma Water Resources Board

June 12, 2023

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 first quarter 2023. 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
Keith Blank, 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

PIT WATER MONITORING AND USAGE REPORT

TYPE OF REPORT
REPORTING PERIOD

QUARTERLY
 QUARTER ENDING March 31, 2023

ANNUAL
 YEAR ENDING _____

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

FACILITY	Mill Creek Mine
COUNTY	Johnston

WATER RIGHT INFORMATION

SOURCE	1190	Arbuckle Simpson
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GROUND WATER PERMIT NUMBER	1974-266
PERMITTED VOLUME	70.4 Acre-Feet

GW RIGHTS	OWNED GROUNDWATER RIGHTS	436	Acre-Feet
	LEASED GROUNDWATER RIGHTS	341	Acre-Feet
	TOTAL MEPS	777	Acre-Feet

STREAM WATER PERMIT NUMBER	1973-412
PERMITTED VOLUME	43 Acre-Feet

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ACCUMULATION OF PIT WATER						Acre-Feet
Total water diverted from the pit						710
Surface water entering the pit						67
Groundwater entering the pit						643

DISPOSITION OF PIT WATER						Acre-Feet
Groundwater diverted from the pit						643
	Returned to a mine pit or holding basin					0
	Returned to the land surface from which runoff flows into a mine pit					0
	Driven off the mined material by drying					19
	Evaporated from the active mine pit					24
	Other consumptive usage					-149
Groundwater augmentation credit						705
Discharged to a definite stream for credit						44

Total consumptive use of mine pit water	-106
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Jason Quigley
 Signature of Water Right Holder or Authorized Agent

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

6/12/23
 Date

U.S. Silica Mill Creek Plant
Discharge Log
Out Fall 006
Jan-23

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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	2	0.701	0.453	1.39	0.90	1.39	4.30	2.60
2		Open	2	0.701	0.453	1.39	0.90	1.39	4.30	2.60
3	10:40	Open	4	1.894	1.224	3.76	0.85	3.76	4.30	2.80
4		Open	4	1.894	1.224	3.76	1.61	3.76	4.30	2.80
5		Open	4	1.894	1.224	3.76	1.88	3.76	4.30	2.80
6		Open	4	1.894	1.224	3.76	1.36	3.76	4.30	2.80
7		Open	4	1.894	1.224	3.76	1.07	3.76	4.30	2.80
8		Open	4	1.894	1.224	3.76	0.80	3.76	4.30	2.80
9	15:27	Open	0	0	0	0.00	0.69	0.00	4.30	2.30
10		Open	0	0	0	0.00	0.62	0.00	4.30	2.30
11	17:12	Open	0	0	0	0.00	0.67	0.00	4.10	2.40
12		Open	0	0	0	0.00	0.68	0.00	4.10	2.40
13	8:05	Open	0	0	0	0.00	0.57	0.00	4.10	2.20
14		Open	0	0	0	0.00	0.70	0.00	4.10	2.20
15		Open	0	0	0	0.00	0.71	0.00	4.10	2.20
16		Open	0	0	0	0.00	0.65	0.00	4.10	2.20
17	9:12	Open	0	0	0	0.00	0.56	0.00	4.30	1.90
18	13:31	Open	0	0	0	0.00	0.55	0.00	4.30	2.00
19		Open	0	0	0	0.00	0.490	0.00	4.30	2.00
20	14:54	Open	0	0	0	0.00	0.450	0.00	4.30	1.80
21		Open	0	0	0	0.00	0.500	0.00	4.30	1.80
22		Open	0	0	0	0.00	0.470	0.00	4.30	1.80
23		Open	0	0	0	0.00	0.410	0.00	4.30	1.80
24		Open	0	0	0	0.00	1.150	0.00	4.30	1.80
25	10:35	Open	0	0	0	0.00	2.140	0.00	4.30	1.90
26		Open	0	0	0	0.00	1.490	0.00	4.30	1.90
27	15:40	Open	0	0	0	0.00	0.950	0.00	4.30	2.20
28		Open	0	0	0	0.00	0.880	0.00	4.30	2.20
29		Open	0	0	0	0.00	0.720	0.00	4.30	2.20
30	11:56	Open	0	0	0	0.00	0.610	0.00	4.30	2.30
31		Open	0	0	0	0.00	0.610	0.00	4.30	2.30
				8.25		25.3		25.32		

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Oklahoma Water Resources Board

U.S. Silica Mill Creek Plant
Discharge Log
Out Fall 006
Feb-23

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	14:07	Open	1	0.226	0.146	0.45	0.96	0.45	4.30	2.50
2		Open		0.226	0.146	0.45	0.96	0.45	4.30	
3		Open		0.226	0.146	0.45	0.99	0.45	4.30	
4		Open		0.226	0.146	0.45	0.90	0.45	4.30	
5		Open		0.226	0.146	0.45	0.94	0.45	4.30	
6	11:35	Open	5	2.718	1.757	5.39	0.91	5.39	4.40	3.10
7	14:00	Open	4	1.894	1.224	3.76	1.02	3.76	4.50	3.00
8		Open		1.894	1.224	3.76	13.80	0.00	4.50	
9	12:27	Open	4	1.894	1.224	3.76	10.50	0.00	4.30	2.90
10	13:54	Open	3	1.249	0.807	2.48	5.10	0.00	4.30	2.60
11		Open		1.249	0.807	2.48	3.75	2.48	4.30	
12		Open		1.249	0.807	2.48	2.96	2.48	4.30	
13	16:03	Open	1	0.226	0.146	0.45	2.70	0.45	4.30	2.50
14		Open		0.226	0.146	0.45	8.82	0.00	4.30	
15	13:59	Open	1	0.226	0.146	0.45	3.82	0.45	4.30	2.50
16		Open		0.226	0.146	0.45	10.10	0.00	4.30	
17		Open		0.226	0.146	0.45	4.31	0.45	4.30	
18		Open		0.226	0.146	0.45	3.95	0.45	4.30	
19		Open		0.226	0.146	0.45	3.80	0.45	4.30	
20		Open		0.226	0.146	0.45	3.54	0.45	4.30	
21	14:40	Open	0	0	0	0.00	3.40	0.00	4.30	2.30
22		Open		0	0	0.00	30.70	0.00	4.30	
23	12:41	Open	1	0.226	0.146	0.45	18.60	0.00	4.40	2.50
24	12:40	Open	1	0.226	0.146	0.45	8.04	0.00	4.40	
25		Open		0.226	0.146	0.45	6.45	0.00	4.40	
26	7:25	Open	7	4.413	2.852	8.75	7.36	0.00	4.40	2.90
27	13:08	Open	5	2.718	1.757	5.39	10.70	0.00	4.40	2.70
28		Open		2.718	1.757	5.39	9.05	0.00	4.40	
29		Open								
30		Open								
31		Open								
					16.552	50.8		19.03		