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Oklahoma Water Resources Board

May 3, 2021

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 2021. 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

TYPE OF REPORT	<input checked="" type="checkbox"/> QUARTERLY	<input type="checkbox"/> ANNUAL
REPORTING PERIOD	QUARTER ENDING March 31, 2021	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		1,106
Surface water entering the pit		4
Groundwater entering the pit		1,101
Groundwater diverted from the pit		1,101
	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	689
	Discharged to a definite stream for credit	132
	Driven off the mined material by drying	15
	Evaporated from the active mine pit	9
Total consumptive use of mine pit water		217

* All volumes measured or reasonably estimated

Signature of Water Right Holder or Authorized Agent Jason Quigley Date 5/3/21

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
Jan-21

MAY 1 0 2021

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	7:00	Open	7		2.852	8.75	60.10	0.00	4.30	3.10
2		Open	5		1.757	5.39	27.00	0.00		
3		Open	5		1.757	5.39	12.30	0.00		
4		Open	5		1.757	5.39	12.30	0.00		
5		Open	4		1.224	3.76	4.74	0.00		
6		Open	3		0.807	2.48	3.55	2.48		
7		Open	3		0.807	2.48	3.12	2.48		
8	11:30	Open	2		0.453	1.39	2.92	1.39	4.30	2.60
9		Open	2		0.453	1.39	2.72	1.39		
10		Open	1		0.146	0.45	2.36	0.45		
11	12:20	Open	1		0.146	0.45	2.36	0.45	4.30	2.50
12		Open	4		1.224	3.76	2.19	3.76		
13	10:25	Open	6		2.283	7.01	2.36	7.01	4.30	3.00
14	7:35	Open	7		2.852	8.75	5.26	0.00	4.30	3.10
15	11:55	Open	5		1.757	5.39	6.97	0.00	4.30	2.90
16		Open	4		1.224	3.76	5.80	0.00		
17		Open	3		0.807	2.48	4.01	0.00		
18	10:05	Open	1		0.146	0.45	2.92	0.45	4.30	2.35
19	8:40	Open	3		0.807	2.48	2.54	2.48	4.30	2.60
20		Open	4		1.224	3.76	2.19	3.76		
21	8:45	Open	5		1.757	5.39	5.53	0.00	4.30	2.90
22	10:30	Open	3		0.807	2.48	5.26	0.00	4.30	2.70
23	9:20	Open	1		0.146	0.45	3.55	0.45	4.30	2.50
24		Open	5		1.757	5.39	3.12	5.39		
25	14:05	Open	7		2.852	8.75	3.55	8.75	4.30	3.10
26	8:10	Open	5		1.757	5.39	7.91	0.00	4.30	2.90
27		Open	3		0.807	2.48	5.26	0.00		
28	8:20	Open	1		0.146	0.45	3.12	0.45	4.30	2.40
29	12:15	Open	4		1.224	3.76	2.19	3.76	4.30	2.80
30		Open	4		1.224	3.76	2.36	3.76		
31	8:50	Open	3		0.807	2.48	4.01	0.00	4.30	2.70
					37.767	115.9		48.63		

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Oklahoma Water Resources Board

U.S. Silica Mill Creek Plant

Discharge Log

Out Fall 006

Feb-21

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	12:05	Open	3		0.807	2.48	3.12	2.48	4.30	2.70
2		Open	3		0.807	2.48	2.54	2.48		
3		Open	2		0.453	1.39	2.36	1.39		
4	7:20	Open	2		0.453	1.39	2.36	1.39	4.30	2.60
5	7:10	Open	4		1.224	3.76	2.19	3.76	4.30	2.75
6		Open	6		2.283	7.01	3.55	7.01		
7	9:00	Open	8		3.462	10.62	6.67	0.00	4.30	3.20
8	11:45	Open	5		1.757	5.39	7.28	0.00	4.30	2.90
9	9:15	Open	3		0.807	2.48	4.24	2.48	4.30	2.70
10	9:50	Open	1		0.146	0.45	5.13	0.00	4.30	2.50
11		Open	1		0.146	0.45	4.17	0.45		
12	8:40	Open	1		0.146	0.45	3.95	0.45	4.30	2.40
13		Open	2		0.453	1.39	3.51	1.39		
14		Open	2		0.453	1.39	3.51	1.39		
15	8:00	Open	3		0.807	2.48	1.87	2.48	4.30	2.60
16		Open	3		0.807	2.48	0.72	2.48		
17	8:25	Open	3		0.807	2.48	1.04	2.48	4.30	2.60
18	13:40	Open	3		0.807	2.48	2.19	2.48	4.30	2.60
19	9:30	Open	3		0.807	2.48	2.36	2.48	4.30	2.60
20		Open	3		0.807	2.48	2.54	2.48		
21		Open	2		0.453	1.39	8.98	0.00		
22	9:45	Open	2		0.453	1.39	7.08	0.00	4.30	2.50
23	12:20	Open	3		0.807	2.48	5.66	0.00	4.30	2.60
24		Open	3		0.807	2.48	5.13	0.00		
25	9:00	Open	3		0.807	2.48	4.64	2.48	4.30	2.60
26	12:40	Open	2		0.453	1.39	5.66	0.00	4.30	2.50
27		Open	2		0.453	1.39	5.13	0.00		
28		Open	2		0.453	1.39	5.39	0.00		
29		Open				0.00		0.00		
30		Open				0.00		0.00		
31		Open				0.00		0.00		
					22.925	70.4		41.99		

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U.S. Silica Mill Creek Plant

Discharge Log

Out Fall 006

Mar-21

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	9:30	Open	3		0.807	2.48	5.13	0.00	4.30	2.60
2	15:00	Open	3		0.807	2.48	4.40	2.48	4.30	2.60
3	12:25	Open	3		0.807	2.48	4.17	2.48		
4		Open	3		0.807	2.48	3.95	2.48	4.30	2.60
5	11:50	Open	3		0.807	2.48	4.17	2.48		
6		Open	3		0.807	2.48	3.73	2.48		
7		Open	3		0.807	2.48	3.73	2.48		
8	11:45	Open	3		0.807	2.48	3.73	2.48	4.30	2.60
9		Open	5		1.757	5.39	3.95	5.39		
10	12:05	Open	7		2.852	8.75	4.40	8.75	4.30	3.10
11	14:00	Open	7		2.852	8.75	4.32	8.75	4.30	3.10
12	10:30	Open	6		2.283	7.01	8.65	0.00	4.30	3.00
13		Open	6		2.283	7.01	8.32	0.00		
14		Open	6		2.283	7.01	8.00	0.00		
15	10:40	Open	6		2.283	7.01	7.38	0.00	4.30	3.00
16		Open	5		1.757	5.39	6.78	0.00		
17		Open	4		1.224	3.76	6.49	0.00		
18		Open	3		0.807	2.48	6.21	0.00		
19		Open	3		0.807	2.48	5.93	0.00		
20		Open	2		0.453	1.39	6.49	0.00		
21		Open	2		0.453	1.39	5.66	0.00		
22	10:00	Open	2		0.453	1.39	4.88	1.39	4.30	2.60
23	9:15	Open	4		1.224	3.76	30.00	0.00	4.30	2.75
24	11:15	Open	3		0.807	2.48	12.60	0.00	4.30	2.65
25		Open	2		0.453	1.39	40.30	0.00	4.30	
26		Open	2		0.453	1.39	12.60	0.00	4.30	
27		Open	1		0.146	0.45	9.32	0.00	4.30	
28		Open	1		0.146	0.45	8.00	0.00	4.30	
29	10:30	Open	1		0.146	0.45	7.38	0.00	4.30	2.50
30		Open	1		0.146	0.45	7.69	0.00		
31	10:30	Open	1		0.146	0.45	7.38	0.00	4.30	2.50
					32.67	100.3		41.62		