



RECEIVED

DEC 20 2021

Oklahoma Water Resources Board

December 8, 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 third 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
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

DEC 20 2021

PIT WATER MONITORING AND USAGE REPORT

Oklahoma Water Resources Board

TYPE OF REPORT
REPORTING PERIOD

<input checked="" type="checkbox"/> QUARTERLY	QUARTER ENDING	September 30, 2021
---	----------------	--------------------

<input type="checkbox"/> 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
--------	------	------------------

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		703
Surface water entering the pit		57
Groundwater entering the pit		645
Groundwater diverted from the pit		645
	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	620
	Discharged to a definite stream for credit	149
	Driven off the mined material by drying	10
	Evaporated from the active mine pit	17
Total consumptive use of mine pit water		-291

* All volumes measured or reasonably estimated

Signature of Water Right Holder or Authorized Agent

12/16/21
Date

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

U.S. Silica Mill Creek Plant
Discharge Log
Out Fall 006
Aug-21

RECEIVED

DEC 20 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		Open	1		0.146	0.45	7.95	0.00	4.30	
2	12:30	Open	1		0.146	0.45	7.64	0.00	4.30	2.00
3	12:25	Open	1		0.146	0.45	7.34	0.00	4.30	2.50
4	10:30	Open	1		0.146	0.45	7.05	0.00	4.30	2.50
5		Open	1		0.146	0.45	6.76	0.00	4.30	
6	8:20	Open	2		0.453	1.39	7.34	0.00	4.30	2.60
7		Open	5		1.757	5.39	4.18	5.39	4.30	
8		Open	6		2.283	7.01	4.90	7.01	4.30	
9	12:15	Open	7		2.852	8.75	6.23	0.00	4.30	3.10
10		Open	5		1.757	5.39	8.34	0.00	4.30	
11		Open	3		0.807	2.48	6.81	0.00	4.30	
12	12:50	Open	3		0.807	2.48	5.16	0.00	4.30	2.70
13	12:00	Open	4		1.224	3.76	4.66	3.76	4.30	2.80
14		Open	4		1.224	3.76	4.42	3.76	4.30	
15		Open	4		1.224	3.76	5.95	0.00	4.30	
16	15:45	Open	4		1.224	3.76	5.16	0.00	4.30	2.80
17	12:40	Open	4		1.224	3.76	5.16	0.00	4.30	
18		Open	5		1.757	5.39	18.30	0.00	4.30	
19	12:00	Open	7		2.85	8.75	13.00	0.00	4.30	3.00
20	16:00	Open	6		2.283	7.01	20.70	0.00	4.30	2.90
21		Open	5		1.757	5.39	9.00	0.00	4.30	
22		Open	4		1.224	3.76	5.95	0.00	4.30	
23	10:12	Open	4		1.224	3.76	4.90	3.76	4.30	2.80
24		Open	5		1.757	5.39	4.42	5.39	4.30	
25		Open	6		2.283	7.01	4.90	7.01	4.30	
26		Open	7		2.852	8.75	7.71	0.00	4.30	
27	14:41	Open	9		4.194	12.87	9.18	0.00	4.30	3.20
28		Open	7		2.852	8.75	10.00	0.00	4.30	
29		Open	5		1.757	5.39	6.81	0.00	4.30	
30	11:25	Open	4		1.224	3.76	4.90	3.76	4.30	2.80
31	13:10	Open	5		1.757	5.39	4.18	5.39	4.30	2.90
					47.337	145.3		45.21		

Max Discharge 4.194 MGD
Avg. Discharge 1.527 MGD

U.S. Silica Mill Creek Plant

Discharge Log

Out Fall 006

Sep-21

RECEIVED

DEC 20 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		Open	5		1.757	5.39	4.42	5.39	4.30	
2	9:50	Open	5		1.757	5.39	4.66	5.39	4.30	2.90
3	12:40	Open	5		1.757	5.39	4.66	5.39	4.30	2.90
4		Open	5		1.757	5.39	4.42	5.39	4.30	
5		Open	5		1.757	5.39	4.66	5.39	4.30	
6		Open	5		1.757	5.39	4.66	5.39	4.30	
7	13:35	Open	5		1.757	5.39	4.66	5.39	4.30	2.90
8		Open	5		1.757	5.39	4.18	5.39	4.30	
9	14:30	Open	5		1.757	5.39	4.18	5.39	4.30	2.90
10	12:37	Open	5		1.757	5.39	3.73	5.39	4.30	2.90
11		Open	4		1.224	3.76	3.31	3.76	4.30	
12		Open	4		1.224	3.76	3.95	3.76	4.30	
13	10:21	Open	3		0.807	2.48	3.10	2.48	4.30	2.70
14		Open	3		0.807	2.48	2.36	2.48	4.30	
15	15:31	Open	3		0.807	2.48	2.36	2.48	4.30	2.70
16	13:50	Open	3		0.807	2.48	2.19	2.48	4.30	2.70
17		Open	3		0.807	2.48	2.36	2.48	4.30	
18		Open	4		1.224	3.76	2.19	3.76	4.30	
19		Open	4		1.224	3.76	1.71	3.76	4.30	
20	13:55	Open	4		1.224	3.76	2.02	3.76	4.30	2.80
21	9:02	Open	4		1.224	3.76	2.19	3.76	4.30	2.80
22		Open	3		0.807	2.48	2.54	2.48	4.30	
23		Open	3		0.807	2.48	2.36	2.48	4.30	
24	15:00	Open	2		0.453	1.39	1.87	1.39	4.30	2.60
25		Open	2		0.453	1.39	1.87	1.39	4.30	
26		Open	2		0.453	1.39	1.57	1.39	4.30	
27	10:40	Open	2		0.453	1.39	1.43	1.39	4.30	2.60
28		Open	2		0.453	1.39	1.17	1.39	4.30	
29		Open	2		0.453	1.39	1.87	1.39	4.30	
30		Open	2		0.453	1.39	1.87	1.39	4.30	
31		Open				0.00		0.00	4.30	
					33.734	103.5		103.53		

Max Discharge 1.757 MGD
Avg. Discharge 1.124 MGD