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MAR 14 2022

Oklahoma Water Resources Board

March 7, 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 fourth quarter 2021 and the annual report for 2021. Also enclosed are the water discharge reports for the months in which we claimed stream augmentation credits.

Also enclosed please find a copy of US Silica's check in the amount of \$1,000.00 and supporting information that was sent previously to cover the annual report review fees for 2020 and 2021. Our research shows this review fee was effective September 11, 2020; however, we can find no record of having been notified of the new fee prior to submission of our 2020 report.

Please contact me at [quigley@ussilica.com](mailto: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](http://www.ussilica.com)

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MAR 14 2022

## U.S. Silica Mill Creek Plant

### Discharge Log

Out Fall 006

Oct-21

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	11:44	Open	3		0.807	2.48	2.54	2.48	4.30	2.70
2		Open	3		0.807	2.48	2.54	2.48	4.30	
3		Open	3		0.807	2.48	2.36	0.00	4.30	
4	14:11	Open	1		0.146	0.45	2.02	0.45	4.30	2.50
5	15:27	Open	1		0.146	0.45	1.71	0.45	4.30	2.50
6	14:05	Open	1		0.146	0.45	1.43	0.45	4.30	2.50
7	13:45	Open	1		0.146	0.45	1.57	0.45	4.30	2.50
8		Open	1		0.146	0.45	0.93	0.45	4.30	
9		Open	1		0.146	0.45	0.93	0.45	4.30	
10		Open	1		0.146	0.45	1.43	0.45	4.30	
11		Open	1		0.146	0.45	1.71	0.45	4.30	
12	15:28	Open	1		0.146	0.45	1.57	0.45	4.30	2.50
13	16:18	Open	2		0.453	1.39	3.31	1.39	4.30	2.60
14	15:40	Open	2		0.453	1.39	2.72	1.39	4.30	2.60
15	15:03	Open	2		0.453	1.39	1.87	1.39	4.30	2.60
16		Open	2		0.453	1.39	2.19	1.39	4.30	
17		Open	2		0.453	1.39	2.02	1.39	4.30	
18	15:20	Open	1		0.146	0.45	2.03	0.45	4.30	2.50
19	13:35	Open	1		0.146	0.45	1.71	0.45	4.30	2.50
20		Open	1		0.146	0.45	1.57	0.45	4.30	
21	15:20	Open	1		0.146	0.45	1.43	0.45	4.30	2.50
22		Open	1		0.146	0.45	1.57	0.45	4.30	
23		Open	1		0.146	0.45	1.29	0.45	4.30	
24		Open	1		0.146	0.45	1.17	0.45	4.30	
25	15:45	Open	1		0.146	0.45	1.29	0.45	4.30	2.50
26		Open	1		0.146	0.45	1.17	0.45	4.30	
27	14:09	Open	2		0.453	1.39	3.12	1.39	4.30	2.60
28		Open	2		0.453	1.39	2.03	1.39	4.30	
29	15:28	Open	2		0.453	1.39	0.62	1.39	4.30	2.60
30		Open	2		0.453	1.39	1.17	1.39	4.30	
31		Open	2		0.453	1.39	1.17	1.39	4.30	
					9.579	29.4		26.92		

Max Discharge 0.807 MGD  
Avg. Discharge 0.309 MGD

#### Lookup Table

1	0.2
2	0.7
3	1.2
4	1.9
5	2.6
6	3.4
7	4.3
8	5.2
9	6.2
10	7.2
11	8.3
12	9.5
13	10.6
14	11.8
15	13.1
16	14.4
17	15.7
18	17.1
19	18.5
20	20.0

#### Discharge volumes

Depth "	Vol. MGD
1	0.146
2	0.453
3	0.807
4	1.224
5	1.757
6	2.283
7	2.852
8	3.462
9	4.194
10	4.882
11	5.697
12	6.457
13	7.247
14	8.171
15	9.023
16	9.903
17	10.930
18	11.860

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# PIT WATER MONITORING AND USAGE REPORT

TYPE OF REPORT
REPORTING PERIOD

☐ QUARTERLY  
 QUARTER ENDING

☒ 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
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
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		3,029
Surface water entering the pit		220
Groundwater entering the pit		2,809
Groundwater diverted from the pit		2,809
	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	1,722
	Discharged to a definite stream for credit	395
	Driven off the mined material by drying	51
	Evaporated from the active mine pit	50
Total consumptive use of mine pit water		164

\* All volumes measured or reasonably estimated

  
 Signature of Water Right Holder or Authorized Agent

3/10/22  
 Date

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



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MAR 14 2022

U.S. Silica Mill Creek Plant

Discharge Log

Out Fall 006

Nov-21

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	1.04	0.45	4.30	
2	7:22	Open	1		0.146	0.45	1.04	0.45	4.30	2.50
3		Open	1		0.146	0.45	2.03	0.00	4.30	
4	13:45	Open	1		0.146	0.45	1.17	0.45	4.30	2.50
5	13:09	Open	2		0.453	1.39	1.04	1.39	4.30	2.60
6		Open	2		0.453	1.39	2.20	1.39	4.30	
7		Open	2		0.453	1.39	1.29	1.39	4.30	
8		Open	2		0.453	1.39	0.93	1.39	4.30	
9		Open	2		0.453	1.39	1.17	1.39	4.30	
10	14:50	Open	1		0.146	0.45	0.93	0.45	4.30	2.50
11	11:40	Open	1		0.146	0.45	0.93	0.45	4.30	2.50
12	13:50	Open	1		0.146	0.45	0.82	0.45	4.30	2.50
13		Open	1		0.146	0.45	0.62	0.45	4.30	
14		Open	1		0.146	0.45	0.93	0.45	4.30	
15	15:41	Open	0		0	0.00	1.04	0.00	4.10	2.40
16	15:47	Open	0		0	0.00	0.72	0.00	4.30	2.40
17	11:32	Open	0		0	0.00	1.04	0.00	4.30	2.40
18	14:14	Open	0		0	0.00	0.93	0.00	4.10	2.40
19	11:39	Open	2		0.453	1.39	0.93	1.39	4.30	2.60
20		Open	2		0.453	1.39	1.04	1.39	4.30	
21		Open	2		0.453	1.39	0.93	1.39	4.30	
22		Open	2		0.453	1.39	0.93	1.39	4.30	
23	12:49	Open	4		1.224	3.76	4.21	3.76	4.30	2.80
24	10:40	Open	3		0.807	2.48	2.20	2.48	4.30	2.70
25		Open	3		0.807	2.48	2.03	2.48	4.30	
26		Open	3		0.807	2.48	1.71	2.48	4.30	
27		Open	3		0.807	2.48	1.43	2.48	4.30	
28		Open	3		0.807	2.48	1.43	2.48	4.30	
29	12:48	Open	1		0.146	0.45	0.82	0.45	4.30	2.50
30		Open	1		0.146	0.45	0.93	0.45	4.30	
31		Open				0.00		0.00	4.30	
					10.942	33.6		33.13		

Max Discharge 0.807 MGD  
Avg. Discharge 0.365 MGD

Lookup Table

1	0.2
2	0.7
3	1.2
4	1.9
5	2.6
6	3.4
7	4.3
8	5.2
9	6.2
10	7.2
11	8.3
12	9.5
13	10.6
14	11.8
15	13.1
16	14.4
17	15.7
18	17.1
19	18.5
20	20.0

Discharge volumes

Depth "	Vol. MGD
1	0.146
2	0.453
3	0.807
4	1.224
5	1.757
6	2.283
7	2.852
8	3.462
9	4.194
10	4.882
11	5.697
12	6.457
13	7.247
14	8.171
15	9.023
16	9.903
17	10.930
18	11.860

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U.S. Silica Mill Creek Plant

Discharge Log

Out Fall 006

Dec-21

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	15:27	Open	3		0.807	2.48	0.82	2.48	4.30	2.70
2		Open	3		0.807	2.48	0.93	2.48	4.30	2.70
3	15:49	Open	4		1.224	3.76	0.62	0.00	4.30	2.80
4		Open	4		1.224	3.76	4.21	3.76	4.30	2.80
5		Open	4		1.224	3.76	3.54	3.76	4.30	2.80
6	14:28	Open	2		0.453	1.39	2.55	1.39	4.30	2.60
7	8:08	Open	2		0.453	1.39	2.03	1.39	4.30	2.60
8		Open	2		0.453	1.39	1.71	1.39	4.30	2.60
9	15:32	Open	1		0.146	0.45	1.17	0.45	4.30	2.50
10		Open	1		0.146	0.45	0.45	0.45	4.30	2.50
11		Open	1		0.146	0.45	0.93	0.45	4.30	2.50
12		Open	1		0.146	0.45	0.62	0.45	4.30	2.50
13		Open	1		0.146	0.45	0.82	0.45	4.30	2.50
14	16:12	Open	1		0.146	0.45	0.45	0.45	4.30	2.50
15		Open	1		0.146	0.45	0.72	0.45	4.30	2.50
16	12:39	Open	1		0.146	0.45	0.93	0.45	4.30	2.50
17	12:50	Open	1		0.146	0.45	0.93	0.45	4.30	2.50
18		Open	1		0.146	0.45	2.93	0.45	4.30	2.50
19		Open	1		0.146	0.45	1.17	0.45	4.30	2.50
20	17:44	Open	2		0.453	1.39	1.04	1.39	4.30	2.60
21		Open	2		0.453	1.39	1.29	1.39	4.30	2.60
22	12:15	Open	1		0.146	0.45	1.17	0.45	4.30	2.50
23		Open	1		0.146	0.45	0.62	0.45	4.30	2.50
24		Open	1		0.146	0.45	0.62	0.45	4.30	2.50
25		Open	1		0.146	0.45	1.04	0.45	4.30	2.50
26		Open	1		0.146	0.45	0.54	0.45	4.30	2.50
27		Open	1		0.146	0.45	0.93	0.45	4.30	2.50
28		Open	1		0.146	0.45	1.43	0.45	4.30	2.50
29	15:36	Open	4		1.224	3.76	1.71	3.76	4.10	2.80
30	15:20	Open	4		1.224	3.76	2.73	3.76	4.30	2.80
31		Open	4		1.224	3.76	4.21	3.76	4.30	2.80
					13.851	42.5		38.75		

Max Discharge  
Avg. Discharge

1.224 MGD  
0.446806 MGD  
446806.5  
18616.94 gph  
310.2823 gpm  
5.171371 gps

1.17 cfs  
7.5 gal per cf  
8.775 gps

0.58933

Lookup Table

1	0.2
2	0.7
3	1.2
4	1.9
5	2.6
6	3.4
7	4.3
8	5.2
9	6.2
10	7.2
11	8.3
12	9.5
13	10.6
14	11.8
15	13.1
16	14.4
17	15.7
18	17.1
19	18.5
20	20.0

Discharge volumes

Depth "	Vol. MGD
1	0.146
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12	6.457
13	7.247
14	8.171
15	9.023
16	9.903
17	10.930
18	11.860



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Oklahoma Water Resources Board

February 7, 2022

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

**RE: ORWR Review of Documentation and Administrative Fees for Mines**

To whom it may concern.

Enclosed please find US Silica's documentation from Tim Trainor, Plant Accounting Manager, indicating that the check for \$1,000 was sent to OWRB on Jan. 5, 2022.

Please note that the amount of \$1,000 is double the amount listed for the review fee that US Silica, Mill Creek appears to fall under, however we may have estimated incorrectly.

The reason for sending double the annual amount is that it is unclear to us whether we were required to submit the fee in 2021 for the 2020 annual report.

Please confirm receipt of check #907824 that was sent separately. Also, please apply any overage (if applicable) of fee payment to our account and let us know the amount being held, if this is at all possible.

Sincerely,

A handwritten signature in blue ink that reads "Jason Quigley".

Jason Quigley  
Plant Manager

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



**OKLAHOMA**  
Water Resources Board

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MAR 14 2022

Oklahoma Water Resources Board

December 17, 2021

US Silica  
ATTN: Jason Quigley  
PO Box 36  
Mill Creek, OK 74856

Re: OWRB Review of Documentation and Administrative Fees for Mines

Dear Mr. Quigley:

The Oklahoma Water Resources Board ("Board") is required by law to review annual reports for certain mines that overlie the Arbuckle Simpson groundwater basin. The Board is also authorized by statute to charge a schedule of reasonable fees for services rendered, including fees for the review of documentation related to water trapped in producing mines over Sensitive Sole Source Basins. The current fee schedule provides for the following fees:

- Mines claiming *exempt status* must provide annually:
  - Updated Pit Water Assessment Summaries which account for potential changes in amounts of pit water encountered as mining continues, and
  - a review fee of \$250.00.

See OAC 785:30-15-3(b) and OAC 785:5-1-21(a)

- Mines *without exempt status and mines claiming pre-existing exemptions* must provide annually:
  - a report of:
    - the measured (or reasonably estimated) volumes of ground water and surface water entering the pit (stated separately),
    - of water diverted from the pit,
    - of the disposition of the water from the pit,
    - of the consumptive use of water from the pit, and
  - a review fee of \$500.00.

See OAC 785:30-15-3&4 and OAC 785:5-1-21(b)

Please submit the appropriate 2021 annual report and corresponding administrative fee as described above by March 31, 2022. If you have any questions, please contact Jason Tutkowski of my staff at 405-530-8848 or email at [jason.tutkowski@owrb.ok.gov](mailto:jason.tutkowski@owrb.ok.gov). Thank you.

Sincerely,

Chris Neel, Chief  
Water Rights Administration Division

## Quigley, Jason

**From:** Trainor, Tim  
**Sent:** Monday, January 31, 2022 12:40 PM  
**To:** Quigley, Jason  
**Subject:** RE: OWRB \$21k

907824

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MAR 14 2022

**From:** Quigley, Jason <Quigley@ussilica.com>  
**Sent:** Monday, January 31, 2022 12:39 PM  
**To:** Trainor, Tim <Trainor@ussilica.com>  
**Subject:** RE: OWRB \$21k

Oklahoma Water Resources Board

Which number is the check number?

**From:** Trainor, Tim <Trainor@ussilica.com>  
**Sent:** Monday, January 31, 2022 8:59 AM  
**To:** Quigley, Jason <Quigley@ussilica.com>  
**Subject:** FW: OWRB \$21k

Check Number:

### Enter, Review, and Revise Vouchers - Work with Pay Item History

✓ ✕ ⌵ Row ⚙ Tools

Document No/Ty/Co    1682699    PV    00400    U S SILICA CO    Pay Item    001

Records 1 - 1

Payment Type	Payment Number	Payment Date	Payee	Payment Amount	Discount Taken
PK	907824	01/19/2022	OKLAHOMA WATER RESOURCES BOARD		1,000.00-

**From:** Trainor, Tim  
**Sent:** Monday, January 31, 2022 8:44 AM  
**To:** Quigley, Jason <Quigley@ussilica.com>  
**Subject:** OWRB \$21k

Paid on the 5<sup>th</sup>



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MAR 14 2022

Oklahoma Water Resources Board

Enter, Review, and Revise Vouchers - Supplier Ledger Inquiry

✓ 🔍 + 📄 🗑️ ✕ ⚙️ Form ⚙️ Row ⚙️ Tools

Supplier Number 10003531 OKLAHOMA WATER RESOURC...

Date From 10/01/2021 Thru 01/31/2022

☒ Invoice ☐ G/L

☐ Recurring ☐ Summarize

☐ Paid ☐ Open ☐ Withheld ☒ All

Batch Number \* Currency Code \*

☐ Display Audit

Payments Purchase Orders Supplier Master

Records 1 - 2

<input type="checkbox"/>	<input checked="" type="checkbox"/> Document Number	Doc Type	Document Type	Doc Co	Invoice Date	G/L Date	Due Date	Gross Amount
<input type="checkbox"/>	1682699	PV	Voucher	00400	01/04/2022	01/17/2022	01/05/2022	1,000.0
<input type="checkbox"/>								1,000.0

Tim Trainor  
Plant Accounting Manager

U.S. SILICA . Mill Creek Plant . 4800 OK-1. Mill Creek, OK 74856  
U.S. SILICA . Sparta Plant . 2500 Iband Ave . Sparta, WI 54656  
Mobile: 314.566.4037  
Email: [Trainor@ussilica.com](mailto:Trainor@ussilica.com)

