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JUN 14 2022

Oklahoma Water Resources Board

June 10, 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 first 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
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

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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 March 31, 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 |
|--------|------|------------------|

| | | |
|----------------------------|---|------------------------------------|
| 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 | 719 |
| Surface water entering the pit | 36 |
| Groundwater entering the pit | 683 |
| Groundwater diverted from the pit | 683 |
| 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 | 462 |
| Discharged to a definite stream for credit | 177 |
| Driven off the mined material by drying | 17 |
| Evaporated from the active mine pit | 17 |
| Total consumptive use of mine pit water | -42 |

* All volumes measured or reasonably estimated

Signature of Water Right Holder or Authorized Agent *Jason Quigley* Date *6/10/22*

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

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

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JUN 14 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 | 4 | | 1.224 | 3.76 | 4.21 | 3.76 | 4.30 | |
| 2 | | Open | 4 | | 1.224 | 3.76 | 1.87 | 3.76 | 4.30 | |
| 3 | | Open | 4 | | 1.224 | 3.76 | 1.04 | 0.00 | 4.30 | |
| 4 | 14:28 | Open | 2 | | 0.453 | 1.39 | 1.17 | 1.39 | 4.30 | 2.60 |
| 5 | | Open | 2 | | 0.453 | 1.39 | 1.29 | 1.39 | 4.30 | |
| 6 | | Open | 2 | | 0.453 | 1.39 | 0.93 | 1.39 | 4.30 | |
| 7 | 12:16 | Open | 1 | | 0.146 | 0.45 | 1.04 | 0.45 | 4.30 | 2.50 |
| 8 | | Open | 1 | | 0.146 | 0.45 | 1.29 | 0.45 | 4.30 | |
| 9 | | Open | 1 | | 0.146 | 0.45 | 1.04 | 0.45 | 4.30 | |
| 10 | 10:50 | Open | 1 | | 0.146 | 0.45 | 0.82 | 0.45 | 4.30 | 2.50 |
| 11 | | Open | 1 | | 0.146 | 0.45 | 0.54 | 0.45 | 4.30 | |
| 12 | 11:17 | Open | 0 | | 0 | 0.00 | 0.82 | 0.00 | 4.30 | 2.30 |
| 13 | 8:28 | Open | 1 | | 0.453 | 1.39 | 1.04 | 1.39 | 4.30 | 2.50 |
| 14 | 7:00 | Open | 2 | | 0.453 | 1.39 | 1.04 | 1.39 | 4.30 | 2.60 |
| 15 | | Open | 2 | | 0.453 | 1.39 | 1.04 | 1.39 | 4.30 | |
| 16 | | Open | 2 | | 0.453 | 1.39 | 0.93 | 1.39 | 4.30 | |
| 17 | 13:42 | Open | 2 | | 0.453 | 1.39 | 0.72 | 1.39 | 4.30 | 2.60 |
| 18 | 9:28 | Open | 2 | | 0.453 | 1.39 | 0.72 | 1.39 | 4.30 | 2.60 |
| 19 | 13:49 | Open | 2 | | 0.453 | 1.39 | 0.72 | 1.39 | 4.30 | 2.60 |
| 20 | | Open | 2 | | 0.453 | 1.39 | 1.04 | 1.39 | 4.30 | |
| 21 | 15:24 | Open | 2 | | 0.453 | 1.39 | 1.04 | 1.39 | 4.30 | 2.60 |
| 22 | | Open | 2 | | 0.453 | 1.39 | 1.29 | 1.39 | 4.30 | |
| 23 | 13:50 | Open | 4 | | 1.224 | 3.76 | 1.17 | 3.76 | 4.30 | 2.80 |
| 24 | 15:34 | Open | 5 | | 1.757 | 5.39 | 2.55 | 5.39 | 4.30 | 2.90 |
| 25 | | Open | 5 | | 1.757 | 5.39 | 3.33 | 5.39 | 4.30 | |
| 26 | | Open | 5 | | 1.757 | 5.39 | 1.87 | 5.39 | 4.30 | |
| 27 | 13:04 | Open | 3 | | 0.807 | 2.48 | 1.04 | 2.48 | 4.30 | 2.70 |
| 28 | 9:17 | Open | 3 | | 0.807 | 2.48 | 1.17 | 2.48 | 4.30 | 2.70 |
| 29 | | Open | 3 | | 0.807 | 2.48 | 0.82 | 2.48 | 4.30 | |
| 30 | | Open | 3 | | 0.807 | 2.48 | 0.54 | 2.48 | 4.30 | |
| 31 | 10:09 | Open | 1 | | 0.146 | 0.45 | 0.45 | 0.45 | 4.30 | 2.45 |
| | | | | | 20.16 | 61.9 | | 58.11 | | |

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

JUN 14 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 | | 0.146 | 0.45 | 0.82 | 0.45 | 4.30 | |
| 2 | | Open | 1 | | 0.146 | 0.45 | 0.93 | 0.45 | 4.30 | |
| 3 | 14:50 | Open | 0 | | 0 | 0.00 | 0.62 | 0.00 | 4.30 | 2.40 |
| 4 | 10:07 | Open | 0 | | 0 | 0.00 | 0.62 | 0.00 | 4.30 | 2.40 |
| 5 | | Open | 0 | | 0 | 0.00 | 0.54 | 0.00 | 4.30 | |
| 6 | | Open | 0 | | 0 | 0.00 | 0.54 | 0.00 | 4.30 | |
| 7 | 14:04 | Open | 1 | | 0.146 | 0.45 | 0.45 | 0.45 | 4.30 | 2.50 |
| 8 | 13:41 | Open | 1 | | 0.146 | 0.45 | 0.31 | 0.45 | 4.30 | 2.50 |
| 9 | | Open | 1 | | 0.146 | 0.45 | 0.38 | 0.45 | 4.30 | |
| 10 | 16:18 | Open | 7 | | 2.852 | 8.75 | 0.19 | 8.75 | 4.30 | |
| 11 | | Open | 7 | | 2.852 | 8.75 | 4.69 | 8.75 | 4.30 | 3.00 |
| 12 | | Open | 7 | | 2.852 | 8.75 | 2.73 | 8.75 | 4.30 | |
| 13 | | Open | 7 | | 2.852 | 8.75 | 1.57 | 8.75 | 4.30 | |
| 14 | 14:51 | Open | 2 | | 0.453 | 1.39 | 1.04 | 1.39 | 4.30 | 2.60 |
| 15 | 15:22 | Open | 1 | | 0.146 | 0.45 | 0.62 | 0.45 | 4.30 | 2.50 |
| 16 | 7:43 | Open | 1 | | 0.146 | 0.45 | 0.31 | 0.45 | 4.30 | 2.50 |
| 17 | 15:20 | Open | 1 | | 0.146 | 0.45 | 0.45 | 0.45 | 4.30 | 2.50 |
| 18 | | Open | 1 | | 0.146 | 0.45 | 0.31 | 0.45 | 4.30 | |
| 19 | | Open | 1 | | 0.146 | 0.45 | 0.31 | 0.45 | 4.30 | |
| 20 | | Open | 1 | | 0.146 | 0.45 | 0.19 | 0.45 | 4.30 | |
| 21 | 13:40 | Open | 2 | | 0.453 | 1.39 | 0.31 | 1.39 | 4.30 | 2.60 |
| 22 | | Open | 2 | | 0.453 | 1.39 | 0.25 | 1.39 | 4.30 | |
| 23 | 14:46 | Open | 3 | | 0.807 | 2.48 | 0.45 | 2.48 | 4.30 | 2.70 |
| 24 | | Open | 3 | | 0.807 | 2.48 | 0.38 | 2.48 | 4.30 | |
| 25 | 12:14 | Open | 3 | | 0.807 | 2.48 | 1.17 | 2.48 | 4.30 | 2.70 |
| 26 | | Open | 3 | | 0.807 | 2.48 | 1.43 | 2.48 | 4.30 | |
| 27 | | Open | 3 | | 0.807 | 2.48 | 1.43 | 2.48 | 4.30 | |
| 28 | 16:20 | Open | 2 | | 0.453 | 1.39 | 1.29 | 1.39 | 4.30 | 2.60 |
| 29 | | Open | | | | 0.00 | | 0.00 | 4.30 | |
| 30 | | Open | | | | 0.00 | | 0.00 | 4.30 | |
| 31 | | Open | | | | 0.00 | | 0.00 | 4.30 | |
| | | | | | 18.861 | 57.9 | | 57.83 | | |

U.S. Silica Mill Creek Plant
Discharge Log
Out Fall 006
Mar-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 | 2 | 0.701 | 0.453 | 1.39 | 0.93 | 1.39 | 4.30 | |
| 2 | 10:37 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.57 | 2.48 | 4.30 | 2.70 |
| 3 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.57 | 2.48 | 4.30 | |
| 4 | 11:10 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.43 | 2.48 | 4.30 | 2.70 |
| 5 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.29 | 2.48 | 4.30 | |
| 6 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.71 | 2.48 | 4.30 | |
| 7 | 10:10 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.57 | 2.48 | 4.30 | 2.70 |
| 8 | 14:30 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.43 | 2.48 | 4.30 | 2.70 |
| 9 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.71 | 2.48 | 4.30 | |
| 10 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.43 | 2.48 | 4.30 | |
| 11 | 14:15 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.71 | 2.48 | 4.30 | 2.70 |
| 12 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.57 | 2.48 | 4.30 | |
| 13 | | Open | 3 | 1.249 | 0.807 | 2.48 | | 2.48 | 4.30 | |
| 14 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.57 | 2.48 | 4.30 | |
| 15 | 8:22 | Open | 4 | 1.894 | 1.224 | 3.76 | 1.57 | 3.76 | 4.30 | 2.70 |
| 16 | 13:22 | Open | 3 | 1.249 | 0.807 | 2.48 | 2.02 | 2.48 | 4.40 | 2.70 |
| 17 | 13:49 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.71 | 2.48 | 4.30 | 2.70 |
| 18 | 11:45 | Open | 3 | 1.249 | 0.807 | 2.48 | 1.71 | 2.48 | 4.30 | 2.70 |
| 19 | | Open | 3 | 1.249 | 0.807 | 2.48 | 1.17 | 2.48 | 4.30 | |
| 20 | | Open | 3 | 1.249 | 0.807 | 2.48 | 0.82 | 2.48 | 4.30 | |
| 21 | 8:22 | Open | 0 | 0 | 0 | 0.00 | 0.62 | 0.00 | 4.20 | 2.40 |
| 22 | 12:09 | Open | 0 | 0 | 0 | 0.00 | 1.43 | 0.00 | 4.30 | 2.40 |
| 23 | 13:05 | Open | 0 | 0 | 0 | 0.00 | 0.72 | 0.00 | 4.30 | 2.40 |
| 24 | | Open | 0 | 0 | 0 | 0.00 | 0.38 | 0.00 | 4.30 | |
| 25 | 13:22 | Open | 1 | 0.226 | 0.146 | 0.45 | 0.45 | 0.45 | 4.30 | 2.50 |
| 26 | | Open | 1 | 0.226 | 0.146 | 0.45 | 0.38 | 0.45 | 4.30 | |
| 27 | | Open | 1 | 0.226 | 0.146 | 0.45 | 0.45 | 0.45 | 4.30 | |
| 28 | | Open | 1 | 0.226 | 0.146 | 0.45 | 0.54 | 0.45 | 4.30 | |
| 29 | 8:02 | Open | 2 | 0.701 | 0.453 | 1.39 | 0.31 | 1.39 | 4.30 | 2.60 |
| 30 | | Open | 2 | 0.701 | 0.453 | 1.39 | 0.14 | 1.39 | 4.30 | |
| 31 | 12:34 | Open | 3 | 1.249 | 0.807 | 2.48 | 0.25 | 2.48 | 4.30 | 2.70 |
| | | | | 18.5 | | 56.8 | | 56.77 | | |