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APR 20 2017

April 20, 2017

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

RE: Arbuckle-Simpson Pit Water Report

Enclosed please find US Silica's Pit Water Reports for fourth quarter 2016, the annual report for 2016, and first quarter report for 2017.

Regarding the 2016 reports, we can find no record of having submitted them either electronically or by hard copy. I was working from home at the time, recovering from surgery. Somewhere during the course of sending files back and forth to the office, the submission to the OWRB was missed.

Best regards,

George W. Matthews
Plant Manager

CC: David Clauson, USS, Chicago

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	<input checked="" type="checkbox"/> QUARTERLY	<input type="checkbox"/> ANNUAL
REPORTING PERIOD	QUARTER ENDING December 31, 2016	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

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WATER RIGHT INFORMATION

SOURCE	1190	Arbuckle Simpson
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GROUND WATER PERMIT NUMBER	1974-266	
PERMITTED VOLUME	712	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 *
Groundwater entering the pit	827
Surface water entering the pit	7
Total water diverted from the pit	834
Disposition of water from the pit	
Driven off the mined material by drying	18
Evaporated from the active mine pit	1
Returned to the groundwater basin by recharge	620
Discharged to a definite stream	170
Returned to a mine pit or holding basin	0
Returned to the land surface from which runoff flows into a mine pit	0
Total consumptive use of mine pit water	-38

* All volumes measured or reasonably estimated

Signature of Water Right Holder or Authorized Agent: *George W. Matthews* Date: _____

PRINTED NAME	George W. Matthews
TITLE	Plant Manager
TELEPHONE	(580) 384-5241 x3015

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4Q2016 US Silica Mill Creek Mine

OWRB WORKSHEET			
1	Volume of water discharged from the producing mine pit(s)		81.0
2	Volume of pit groundwater that is driven off (by drying) the surface of the producing mine pit(s)		0.0
3	Volume of pit groundwater that is driven off (by drying) the surface of the producing mine pit(s) into the mine pit water		
4	Volume of pit groundwater that is driven off (by drying) the surface of the producing mine pit(s) into the mine pit water		81.0
5	Add lines 2 through 4		81.0
6	Volume of groundwater discharged from the producing mine pit(s)		826.8
DEFINED ELEMENTS OF CONSUMPTIVE USE			
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site		17.8
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site		0.0
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and impoundments (excluding structures used for augmentation)		0.7
10	Volume of pit groundwater that is used for other beneficial uses off the mine site		0.0
11	Consumptive Use of Pit Groundwater Add Lines 7 through 10		18.5
PIT GROUNDWATER BALANCE			
12	Line 6 minus Line 11		808.3
13	Groundwater Augmentation Volume of pit groundwater returned to the ground surface for streamflow or surface water management	Credits	619.7
14	Stream Augmentation Volume of pit groundwater discharged into streamflow during flow conditions that are less than or equal to 10% of the streamflow management plan		170.5
15	Precipitation Run-off Volume of precipitation that is discharged into a recharge pit or holding pond used for augmentation		0.0
16	Recycled Pit Groundwater Volume of pit groundwater returned to a mine pit or holding pond		0.0
17	Other Non-Consumptive Losses Including pit groundwater returned to the land surface from which surface runoff flows into the mine pit, and other		0.0
18	Add lines 13 through 17		
19	Other Consumptive Use (adjusted) Line 12 minus Line 18		
TOTAL REPORTED CONSUMPTIVE USE OF PIT			
20	Total Net Reported Consumptive Use Line 11 plus Line 19		37.8

PIT WATER MONITORING AND USAGE REPORT

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


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ACCUMULATION AND DISPOSITION OF PIT WATER	ACRE-FEET *
Groundwater entering the pit	2,872
Surface water entering the pit	101
Total water diverted from the pit	2,972
Disposition of water from the pit	
Driven off the mined material by drying	50
Evaporated from the active mine pit	6
Returned to the groundwater basin by recharge	1,410
Discharged to a definite stream	2,199
Returned to a mine pit or holding basin	0
Returned to the land surface from which runoff flows into a mine pit	0
Total consumptive use of mine pit water	93

* All volumes measured or reasonably estimated


 Signature of Water Right Holder or Authorized Agent _____ Date _____

PRINTED NAME	George W. Matthews
TITLE	Plant Manager
TELEPHONE	(580) 384-5241 x3015

PIT WATER MONITORING AND USAGE REPORT

TYPE OF REPORT	<input checked="" type="checkbox"/> QUARTERLY	<input type="checkbox"/> ANNUAL
REPORTING PERIOD	QUARTER ENDING	YEAR ENDING
	March 31, 2017	

COMPANY NAME	US Silica Company	FACILITY	Mill Creek Mine
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ACCUMULATION AND DISPOSITION OF PIT WATER		ACRE-FEET *
Groundwater entering the pit		677
Surface water entering the pit		7
Total water diverted from the pit		684
Disposition of water from the pit		
Driven off the mined material by drying		15
Evaporated from the active mine pit		1
Returned to the groundwater basin by recharge		339
Discharged to a definite stream		127
Returned to a mine pit or holding basin		0
Returned to the land surface from which runoff flows into a mine pit		0
Total consumptive use of mine pit water		119

* All volumes measured or reasonably estimated

Signature of Water Right Holder or Authorized Agent: *George W. Matthews* Date: 4/20/2017

PRINTED NAME	George W. Matthews
TITLE	Plant Manager
TELEPHONE	(580) 384-5241 x3015

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1Q2017 US Silica Mill Creek Mine

OWRB WORKSHEET		
1	Total volume of water pumped from the	1572.0
2	Volume of precipitation that falls onto the	1.1
3	Portion of total precipitation that flows to	5.5
4	Other non-pit water pumped from the p	888.0
5	Add lines 2 through 4	894.7
6	Pit groundwater Volume Line 1 minus Line 5	677.4
DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	15.0
8	Volume of pit groundwater that is carried away with the mined material transported off the mine site	0.0
9	Volume of pit groundwater that evaporates from the production area (Excludes stream bed augmentation)	0
10	Volume of pit groundwater that is used for other beneficial uses of the mine	0.0
11	Consumptive Use of Pit Groundwater Add Line 7 through 10	15.9
PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	661.4
13	Groundwater Augmentation Volume of pit groundwater returned to the groundwater basin or subbasin, plus	338.7
14	Stream Augmentation Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 80% exceedance, pursuant to a Management Plan	126.9
15	Precipitation & Run-off Volume of precipitation and surface run-off into a recharge pit or holding pond used for augmentation	
16	Recycled Pit Groundwater Volume of pit groundwater returned to a mine pit or holding basin (not included on lines 7 through 10)	0.0
17	Other Non-Consumptive Losses Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other (not included in lines 7 through 10)	0.0
18	Add lines 13 through 17	558.5
19	Other Consumptive Use (adjusted) Line 12 minus Line 18	103.0
TOTAL REPORTED CONSUMPTIVE USE OF PIT		
20	Total Net Reported Consumptive Use Line 11 plus Line 19	118.9