



## **MILL CREEK DOLOMITE, LLC.**

9915 West Amos Conley Road  
P.O. Box 239  
Mill Creek, OK 74856  
(580)384-5271

03/30/18

Kent Wilkins, Assistant Chief  
Planning and Management Division  
State of Oklahoma  
Water Resources Board  
3800 N. Classen Boulevard  
Oklahoma City, OK 73118

**RECEIVED**

APR 02 2018

Oklahoma Water Resources Board

**Re: Consumptive Use of Pit Water, 3rd Quarter Report 2017**

Dear Mr. Wilkins;

As required under **Oklahoma Statue 82-1020.2 (E) (1)** and **Oklahoma Administrative Code 785:30-15**, Mill Creek Dolomite is submitting the following water report for the Fourth quarter of calendar year 2017.

If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Ken Baker  
Quality, Safety and Environmental Manager  
Mill Creek Dolomite, LLC  
kenb@min-ad.com.com

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APR 02 2018

**CONSUMPTIVE USE REPORT**

**4th Quarter 2017**

**MILL CREEK DOLOMITE, LLC**

**MILL CREEK MINE & MILL**

Oklahoma Water Resources Board

**TABLE 1: Estimated Consumptive Use of Pit Water**

PIT GROUNDWATER VOLUME		VALUES (Gall)
1	Total volume of water pumped from the producing mine pit (s)	6,226,786
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	8,416,814
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0
4	Other non-pit waters pumped from the producing mine pit	0
5	Add lines 2 through 4	8,416,814
6	<b>Pit Ground Water Volume</b> (Line 1 minus Line 5)	-2,190,028
DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	27,080
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	1,718,861
10	Volume of pit water groundwater that is used for other beneficial uses off the mine site	552,600
11	<b>Defined Elements of Consumptive Use of Pit Groundwater</b> ( Add Lines 7 through 10)	2,298,541
PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	-4,488,569
13	<b>Groundwater Augmentation:</b> Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	
14	<b>Stream Augmentation:</b> Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	
15	<b>Precipitation &amp; Run-off</b> Volume of precipitation and surface run-off into a recharge pit or holding pond used for augmentation	
16	<b>Recycled Pit Groundwater</b> Volume of pit groundwater returned to a mine pit or holding basin (not included on lines 7 through 10)	
17	<b>Other Non-Consumptive Losses</b> Including pit groundwater returned to the land surface from which runoff flows into a mine pit and other losses (not included in lines 7 through 10)	
18	Add lines 13 through 17	0
19	<b>Other Consumptive Use (adjusted) (Line 12 minus Line 18)</b>	-4,488,569
TOTAL REPORTED CONSUMPTIVE USE OF PIT WATER		
20	Total Net Reported Consumptive Use. (Line 11 plus Line 19)	-2,190,028

**MILL CREEK DOLOMITE, LLC**

**PIT WATER MONITORING DATA**

**SUMP SURFACE AREA DATA:**

SUMP A (sq ft)      **2,163,342**  
 PUMP A (GPM)      **300**

SUMP B (sq ft)      **1,051,207**  
 PUMP B (GPM)      **100**

**100 New Pump Field Checked 1/18/16**

DATE	WK	PU-19 QA		PU-18 QB		PIT WATER PUMPED			PIT RAIN WATER					
		Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	QA GPD	QB GPD	Grand Total	RAIN FALL	VOLUME QA	GALLONS QA	VOLUME QB	GALLONS QB	TOTAL GALLONS
10/6/17	40	7936	34.0	13511	30.0	87429	25714	113143	0.7	126195	944064	61320	458738	1402802
10/13/17	41	7952	16.0	13531	20.0	41143	17143	58286	0.3	54084	404599	26280	196602	601201
10/20/17	42	7961	9.0	13566	35.0	23143	30000	53143	1.0	180279	1348663	87601	655340	2004003
10/27/17	43	7979	18.0	13581	15.0	46286	12857	59143	0.0	0	0	0	0	0
<b>Monthly Totals</b>			77.0		100.0	1534500	1328571	2863071	2.00	360557	2697327	175201	1310680	4008007
11/3/17	44	7997	18.0	13611	30.0	46286	25714	72000	0.1	18028	134866	8760	65534	200400
11/10/17	45	8012	15.0	13629	18.0	38571	15429	54000	0	18028	134866	8760	65534	200400
11/17/17	46	8027	15.0	13644	15.0	38571	12857	51429	0	0	0	0	0	0
11/24/17	47	8041	14.0	13656	12.0	36000	10286	46286	0	0	0	0	0	0
12/1/17	48	8051	10.0	13667	11.0	25714	9429	35143	0	0	0	0	0	0
<b>Monthly Totals</b>			72.0		86.0	1110857	884571	1995429	0.2	36056	269733	17520	131068	400801
12/8/17	49	8062	11.0	13677	10.0	28286	8571	36857	0	0	0	0	0	0
12/15/17	50	8073	11.0	13686	9.0	28286	7714	36000	0	54084	404599	26280	196602	601201
12/22/17	51	8081	8.0	13687	1.0	20571	857	21429	2	306473	2292728	148921	1114078	3406806
12/29/17	52	8099	18.0	13701	14.0	46286	12000	58286	0	0	0	0	0	0
<b>Monthly Totals</b>			48.0		34.0	956571	451714	1408286	2.00	360557	2697327	175201	1310680	4008007
<b>4th QUARTER TOTALS</b>			197.0		220.0	3,601,929	2,664,857	6,266,786	4.20	757170	5664387	367922	2752428	8,416,814

**MILL CREEK DOLOMITE, LLC  
PIT WATER MONITORING DATA  
4th Quarter 2017**

**SUMP DATA:**

SUMP A: 2,163,342 Sq. Ft.

SUMP B: 1,051,207 Sq. Ft.

**SETTLING POND DATA:**

SETTLING POND A: 30,000 Sq. Ft. (F-02, MAP 3 – SSWMCP)

SETTLING POND B: 35,000 Sq. Ft. (F-01, MAP 3 – SSWMCP)

**PRODUCTION DATA:**

Month	Tons	% Moisture
October	20,190	0.2
* November	18,000	0.2
* December	18,000	0.2
	56,190	

**Calculations for gallons of water shipped to plant:**

	Tons	Moisture		Tons H2O	Lbs H2O
October	20190	X 0.002	=	40	80,760
November	18000	X 0.002	=	36	72,000
December	18000	X 0.002	=	36	72,000
					224,760
Total Lbs	224,760				
Gallons	224,760	/ 8.3	=	27,080	Gallons of water

**Misc. Water Data:**

**List of Equivalentents:**

**Volume Units**

One Gallon Conversion factors

= 231 cubic inches

= 0.13368 cubic foot weighs approximately 8.3 pounds

One Cubic Foot

= 1,728 cubic inches

= 7.481 gallons (7.5 for ordinary calculations) weighs 62.4 pounds (62.5 for ordinary calculations)

**PIT WATER MONITORING DATA**

**MILL CREEK DOLOMITE, LLC**

**EVAPORATION**

Sump A (sq ft) 12,925 Sump B (sq ft) 262,802 (25% of pit area always has water)  
 Settling A (sq ft) 30,000 Settling B (sq ft) 35,000

Oct-17											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (cu.ft)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (cu.ft)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (cu ft)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (cu ft)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
10/1/2017	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
10/2/2017	0.22	0.154	165.87	1240.88	3372.63	25230.61	385.00	2880.19	449.17	3360.22	32711.89
10/3/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
10/4/2017	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
10/5/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
10/6/2017	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
10/7/2017	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/8/2017	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/9/2017	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
10/10/2017	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
10/11/2017	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/12/2017	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/13/2017	0.19	0.133	143.25	1071.67	2912.72	21790.07	332.50	2487.43	387.92	2902.00	28251.18
10/14/2017	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
10/15/2017	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
10/16/2017	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
10/17/2017	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
10/18/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
10/19/2017	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
10/20/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
10/21/2017	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/22/2017	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
10/23/2017	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/24/2017	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
10/25/2017	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/26/2017	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
10/27/2017	0.2	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
10/28/2017	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/29/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
10/30/2017	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
10/31/2017	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
<b>Monthly Total</b>			<b>4,026.14</b>	<b>30,119.53</b>	<b>81,862.82</b>	<b>612,415.78</b>	<b>9,345.00</b>	<b>69,909.95</b>	<b>10,902.50</b>	<b>81,561.60</b>	<b>794,006.86</b>

**PIT WATER MONITORING DATA**

**MILL CREEK DOLOMITE, LLC**

**EVAPORATION**

Sump A (sq ft) 12,925 Sump B (sq ft) 262,802 (25% of pit area always has water)  
 Settling A (sq ft) 30,000 Settling B (sq ft) 35,000

Nov-17											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (cu ft)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (cu ft)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (cu ft)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (cu ft)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
11/1/2017	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
11/2/2017	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
11/3/2017	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
11/4/2017	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
11/5/2017	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
11/6/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
11/7/2017	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
11/8/2017	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
11/9/2017	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
11/10/2017	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
11/11/2017	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
11/12/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
11/13/2017	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
11/14/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
11/15/2017	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
11/16/2017	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
11/17/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
11/18/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
11/19/2017	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
11/20/2017	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
11/21/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
11/22/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
11/23/2017	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
11/24/2017	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
11/25/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
11/26/2017	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
11/27/2017	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
11/28/2017	0.19	0.133	143.25	1071.67	2912.72	21790.07	332.50	2487.43	387.92	2902.00	28251.18
11/29/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
11/30/2017	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
<b>Monthly Total</b>			<b>2,699.17</b>	<b>20,192.50</b>	<b>54,881.82</b>	<b>410,570.88</b>	<b>6,265.00</b>	<b>46,868.47</b>	<b>7,309.17</b>	<b>54,679.88</b>	<b>532,311.72</b>

**PIT WATER MONITORING DATA  
MILL CREEK DOLOMITE, LLC  
EVAPORATION**

Sump A (sq ft) 12,925 Sump B (sq ft) 262,802 (25% of pit area always has water)  
Settling A (sq ft) 30,000 Settling B (sq ft) 35,000

Dec-17											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (cu ft)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (cu ft)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (cu ft)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (cu ft)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
12/1/2017	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
12/2/2017	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
12/3/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
12/4/2017	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
12/5/2017	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
12/6/2017	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
12/7/2017	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
12/8/2017	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
12/9/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
12/10/2017	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
12/11/2017	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
12/12/2017	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
12/13/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
12/14/2017	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
12/15/2017	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
12/16/2017	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
12/17/2017	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
12/18/2017	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
12/19/2017	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
12/20/2017	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
12/21/2017	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
12/22/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
12/23/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
12/24/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
12/25/2017	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
12/26/2017	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
12/27/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
12/28/2017	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
12/29/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
12/30/2017	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
12/31/2017	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
<b>Monthly Total</b>			<b>1,990.45</b>	<b>14,890.56</b>	<b>40,471.51</b>	<b>302,767.35</b>	<b>4,620.00</b>	<b>34,562.22</b>	<b>5,390.00</b>	<b>40,322.59</b>	<b>392,542.72</b>
<b>Quarterly Total</b>			<b>8,715.76</b>	<b>65,202.59</b>	<b>177,216.15</b>	<b>1,325,754.01</b>	<b>20,230.00</b>	<b>151,340.63</b>	<b>23,601.67</b>	<b>176,564.07</b>	<b>1,718,861.29</b>

Mesonet  
 Seasonal Single Site ET Table  
 Tishomingo  
 4th Quarter 2017

Date	Reference ET, Short [in]	Reference ET, Tall [in]	Cool Season Grass ET [in]	Warm Season Grass ET [in]	Pan Evaporation [in]
12/31/2017	0.03	0.05	0.03	0.02	0.05
12/30/2017	0.03	0.04	0.03	0.02	0.04
12/29/2017	0.04	0.06	0.04	0.03	0.05
12/28/2017	0.03	0.04	0.03	0.02	0.04
12/27/2017	0.04	0.06	0.04	0.02	0.05
12/26/2017	0.05	0.08	0.05	0.03	0.07
12/25/2017	0.05	0.07	0.04	0.03	0.06
12/24/2017	0.04	0.06	0.04	0.02	0.05
12/23/2017	0.04	0.06	0.04	0.02	0.05
12/22/2017	0.04	0.06	0.04	0.02	0.05
12/21/2017	0.04	0.16	0.09	0.06	0.12
12/20/2017	0.03	0.03	0.03	0.02	0.02
12/19/2017	0.02	0.02	0.02	0.01	0.02
12/18/2017	0.02	0.02	0.02	0.01	0.02
12/17/2017	0.02	0.02	0.02	0.01	0.02
12/16/2017	0.09	0.14	0.09	0.05	0.11
12/15/2017	0.06	0.09	0.05	0.04	0.07
12/14/2017	0.08	0.13	0.08	0.05	0.12
12/13/2017	0.09	0.14	0.06	0.06	0.12
12/12/2017	0.07	0.12	0.07	0.05	0.11
12/11/2017	0.13	0.21	0.12	0.08	0.18
12/10/2017	0.11	0.19	0.11	0.07	0.15
12/9/2017	0.09	0.14	0.08	0.05	0.12
12/8/2017	0.08	0.07	0.04	0.03	0.06
12/7/2017	0.05	0.08	0.05	0.03	0.08
12/6/2017	0.06	0.1	0.06	0.04	0.09
12/5/2017	0.11	0.18	0.1	0.07	0.16
12/4/2017	0.17	0.27	0.16	0.1	0.24
12/3/2017	0.1	0.15	0.09	0.06	0.12
12/2/2017	0.08	0.11	0.07	0.05	0.1
12/1/2017	0.07	0.11	0.07	0.05	0.09
11/30/2017	0.07	0.11	0.07	0.05	0.09
11/29/2017	0.04	0.05	0.03	0.02	0.05
11/28/2017	0.13	0.21	0.13	0.06	0.19
11/27/2017	0.12	0.18	0.11	0.07	0.15
11/26/2017	0.09	0.13	0.08	0.05	0.11
11/25/2017	0.13	0.21	0.12	0.08	0.18
11/24/2017	0.13	0.21	0.12	0.08	0.17
11/23/2017	0.07	0.11	0.07	0.04	0.09
11/22/2017	0.09	0.14	0.08	0.05	0.12
11/21/2017	0.06	0.14	0.09	0.06	0.12
11/20/2017	0.1	0.15	0.09	0.06	0.13
11/19/2017	0.07	0.1	0.06	0.04	0.08
11/18/2017	0.13	0.2	0.12	0.08	0.19
11/17/2017	0.13	0.2	0.12	0.08	0.18
11/16/2017	0.05	0.07	0.05	0.03	0.06
11/15/2017	0.06	0.07	0.05	0.03	0.06



11/14/2017	0 09	0 13	0 08	0 06	0 12
11/13/2017	0 05	0 06	0 04	0 03	0 06
11/12/2017	0 09	0 14	0 09	0 06	0 12
11/11/2017	0 09	0 13	0 08	0 05	0 11
11/10/2017	0 08	0 12	0 08	0 05	0 11
11/9/2017	0 06	0 07	0 05	0 03	0 07
11/8/2017	0 03	0 04	0 03	0 02	0 03
11/7/2017	0 05	0 07	0 05	0 03	0 07
11/6/2017	0 04	0 05	0 04	0 02	0 05
11/5/2017	0 18	0 26	0 16	0 11	0 24
11/4/2017	0 12	0 18	0 11	0 08	0 15
11/3/2017	0 06	0 08	0 06	0 04	0 08
11/2/2017	0 21	0 33	0 22	0 13	0 29
11/1/2017	0 1	0 15	0 1	0 06	0 13
10/31/2017	0 07	0 1	0 07	0 04	0 09
10/30/2017	0 12	0 18	0 11	0 07	0 16
10/29/2017	0 1	0 14	0 08	0 06	0 12
10/28/2017	0 1	0 15	0 09	0 06	0 13
10/27/2017	0 13	0 21	0 12	0 09	0 2
10/26/2017	0 17	0 26	0 16	0 11	0 23
10/25/2017	0 13	0 19	0 12	0 09	0 17
10/24/2017	0 19	0 24	0 14	0 1	0 23
10/23/2017	0 14	0 2	0 13	0 08	0 17
10/22/2017	0 12	0 17	0 11	0 08	0 16
10/21/2017	0 1	0 14	0 09	0 06	0 13
10/20/2017	0 14	0 19	0 13	0 09	0 19
10/19/2017	0 12	0 16	0 11	0 07	0 15
10/18/2017	0 14	0 19	0 13	0 09	0 18
10/17/2017	0 11	0 15	0 11	0 07	0 14
10/16/2017	0 12	0 16	0 11	0 07	0 15
10/15/2017	0 18	0 26	0 17	0 11	0 25
10/14/2017	0 18	0 24	0 16	0 11	0 23
10/13/2017	0 15	0 2	0 14	0 1	0 19
10/12/2017	0 14	0 19	0 13	0 09	0 17
10/11/2017	0 11	0 13	0 1	0 07	0 13
10/10/2017	0 12	0 16	0 11	0 07	0 15
10/9/2017	0 18	0 25	0 17	0 11	0 23
10/8/2017	0 14	0 18	0 13	0 09	0 17
10/7/2017	0 14	0 18	0 13	0 09	0 17
10/6/2017	0 16	0 23	0 16	0 11	0 23
10/5/2017	0 15	0 18	0 14	0 09	0 18
10/4/2017	0 09	0 11	0 09	0 06	0 11
10/3/2017	0 1	0 13	0 08	0 06	0 12
10/2/2017	0 17	0 23	0 16	0 11	0 22
10/1/2017	0 16	0 2	0 14	0 1	0 2



12/5/2017	0.00	73540	73540	0	0
12/6/2017	0.00	73540	73593	53	21.2
12/7/2017	0.00	73593	73593	0	0
12/8/2017	0.00	73593	73593	0	0
12/9/2017	0.00	73593	73593	0	0
12/10/2017	0.00	73593	73593	0	0
12/11/2017	0.00	73593	73601	8	3.2
12/12/2017	0.00	73601	73601	0	0
12/13/2017	0.00	73601	73601	0	0
12/14/2017	0.00	73601	73601	0	0
12/15/2017	0.00	73601	73601	0	0
12/16/2017	0.32	73601	73601	0	0
12/17/2017	0.02	73601	73601	0	0
12/18/2017	0.02	73601	73601	0	0
12/19/2017	1.02	73601	73601	0	0
12/20/2017	0.11	73601	73601	0	0
12/21/2017	0.01	73601	73601	0	0
12/22/2017	0.51	73601	73601	0	0
12/23/2017	0.01	73601	73601	0	0
12/24/2017	0.00	73601	73601	0	0
12/25/2017	0.00	73601	73601	0	0
12/26/2017	0.00	73601	73601	0	0
12/27/2017	0.00	73601	73601	0	0
12/28/2017	0.00	73601	73601	0	0
12/29/2017	0.00	73601	73601	0	0
12/30/2017	0.00	73601	73608	7	2.8
<b>Totals</b>	<b>4.18</b>			<b>164.0</b>	<b>68.4</b>

385228	385228	0	0
385228	385228	0	0
385228	385228	0	0
385228	385228	0	0
385228	385228	0	0
385228	385228	0	0
385228	385228	0	0
385228	385252	24	9.6
385252	385279	27	10.8
385279	385279	0	0
385279	385298	19	7.6
385298	385298	0	0
385298	385298	0	0
385298	385298	0	0
385298	385298	0	0
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385298	385298	0	0
385298	385298	0	0
385298	385298	0	0
385298	385298	0	0
385298	385298	0	0
385298	385298	0	0
<b>Totals</b>		<b>136.0</b>	<b>54.4</b>

**QUARRY DEWATER & CREEK MAKE-UP WATER**

DATE	WK	PU-19 QA 65HP		PU-18 QB 35HP		PU-04 Big		PU-03 Little		PU-21 AG-Lime	
		Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	Meter	Hrs. Ran	Meter	Hrs.	Meter	Hrs.
10/6/17	40	7936	34	13511	30	10850	77	1279	0	11062	0
10/13/17	41	7952	16	13531	20	10986	136	1279	0	11062	0
10/20/17	42	7961	9	13566	35	11071	85	1279	0	11062	0
10/27/17	43	7979	18	13581	15	11137	66	1279	0	11062	0
11/3/17	44	7997	18	13611	30	11171	34	1279	0	11062	0
11/10/17	45	8012	15	13629	18	11202	31	1279	0	11062	0
11/17/17	46	8027	15	13644	15	11232	30	1279	0	11062	0
11/24/17	47	8041	14	13656	12	11287	55	1279	0	11062	0
12/1/17	48	8051.0	10	13667	11	11359.0	72	1279	0	11062	0
12/8/17	49	8062.0	11	13677.0	10	11400.0	41	1279	0	11062	0
12/15/17	50	8073.0	11	13686.0	9	11425 0	25	1279	0	11062	0
12/22/17	51	8081.0	8	13687 0	1	11454.0	29	1279	0	11062	0
12/29/17	52	8099.0	18	13701 0	14	11470 0	16	1279	0	11062	0

Day/Date	MCD Rainfall Measurement
Monday, October 02, 2017	0.0
Tuesday, October 03, 2017	0.2
Wednesday, October 04, 2017	0.5
Thursday, October 05, 2017	0.0
Friday, October 06, 2017	0.0
Saturday, October 07, 2017	0.0
Sunday, October 08, 2017	0.0
Totals	0.7
Monday, October 09, 2017	0.1
Tuesday, October 10, 2017	0.0
Wednesday, October 11, 2017	0.0
Thursday, October 12, 2017	0.0
Friday, October 13, 2017	0.0
Saturday, October 14, 2017	0.0
Sunday, October 15, 2017	0.1
Totals	0.3
Monday, October 16, 2017	0.0
Tuesday, October 17, 2017	0.0
Wednesday, October 18, 2017	0.0
Thursday, October 19, 2017	0.0
Friday, October 20, 2017	0.0
Saturday, October 21, 2017	1.0
Sunday, October 22, 2017	0.1
Totals	1.0
Monday, October 23, 2017	0.0
Tuesday, October 24, 2017	0.0
Wednesday, October 25, 2017	0.0
Thursday, October 26, 2017	0.0
Friday, October 27, 2017	0.0
Saturday, October 28, 2017	0.0
Sunday, October 29, 2017	0.0
Totals	0.0
Monday, October 30, 2017	0.0
Tuesday, October 31, 2017	0.0
Wednesday, November 01, 2017	0.0
Thursday, November 02, 2017	0.0
Friday, November 03, 2017	0.0
Saturday, November 04, 2017	0.1
Sunday, November 05, 2017	0.0
Totals	0.1
Monday, November 06, 2017	0.0
Tuesday, November 07, 2017	0.0
Wednesday, November 08, 2017	0.0
Thursday, November 09, 2017	0.0
Friday, November 10, 2017	0.0
Saturday, November 11, 2017	0.0
Sunday, November 12, 2017	0.0
Totals	0.1
Monday, November 13, 2017	0.0
Tuesday, November 14, 2017	0.0
Wednesday, November 15, 2017	0.0
Thursday, November 16, 2017	0.0
Friday, November 17, 2017	0.0

Day/Date	MCD Rainfall Measurement
Saturday, November 18, 2017	0.0
Sunday, November 19, 2017	0.0
Totals	0.0
Monday, November 20, 2017	0.0
Tuesday, November 21, 2017	0.0
Wednesday, November 22, 2017	0.0
Thursday, November 23, 2017	0.0
Friday, November 24, 2017	0.0
Saturday, November 25, 2017	0.0
Sunday, November 26, 2017	0.0
Totals	0.0
Monday, November 27, 2017	0.0
Tuesday, November 28, 2017	0.0
Wednesday, November 29, 2017	0.0
Thursday, November 30, 2017	0.0
Friday, December 01, 2017	0.0
Saturday, December 02, 2017	0.0
Sunday, December 03, 2017	0.0
Totals	0.0
Monday, December 04, 2017	0.0
Tuesday, December 05, 2017	0.0
Wednesday, December 06, 2017	0.0
Thursday, December 07, 2017	0.0
Friday, December 08, 2017	0.0
Saturday, December 09, 2017	0.0
Sunday, December 10, 2017	0.0
Totals	0.0
Monday, December 11, 2017	0.0
Tuesday, December 12, 2017	0.0
Wednesday, December 13, 2017	0.0
Thursday, December 14, 2017	0.0
Friday, December 15, 2017	0.0
Saturday, December 16, 2017	0.3
Sunday, December 17, 2017	0.0
Totals	0.3
Monday, December 18, 2017	0.0
Tuesday, December 19, 2017	1.0
Wednesday, December 20, 2017	0.1
Thursday, December 21, 2017	0.0
Friday, December 22, 2017	0.5
Saturday, December 23, 2017	0.0
Sunday, December 24, 2017	0.0
Totals	1.7
Monday, December 25, 2017	0.0
Tuesday, December 26, 2017	0.0
Wednesday, December 27, 2017	0.0
Thursday, December 28, 2017	0.0
Friday, December 29, 2017	0.0
Saturday, December 30, 2017	0.0
Sunday, December 31, 2017	0.0
Totals	0.0