

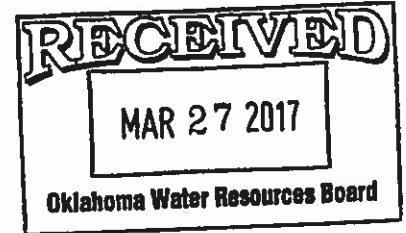


# MILL CREEK DOLOMITE, LLC.

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

03/20/17

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



Re: Consumptive Use of Pit Water, 4th Quarter Report 2016

Dear Mr. Wilkins;

As required under **Oklahoma Statute 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 2016.

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

Sincerely,

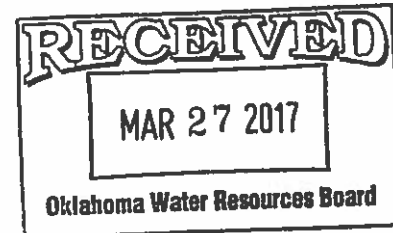
Ken Baker  
Quality, Safety and Environmental Manager  
Mill Creek Dolomite, LLC  
kenb@min-ad.com.com

# CONSUMPTIVE USE REPORT

4th QUARTER, 2016

MILL CREEK DOLOMITE, LLC

MILL CREEK MINE & MILL



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

PIT GROUNDWATER VOLUME		VALUES (Gal)
1	Total volume of water pumped from the producing mine pit (s)	10,549,929
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	14,428,825
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	14,428,825
6	<b>Pit Ground Water Volume (Line 1 minus Line 5)</b>	<b>-3,878,896</b>
DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	247,223
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)	1,546,380
10	Volume of pit water groundwater that is used for other beneficial uses off the mine site	38,813
11	<b>Defined Elements of Consumptive Use of Pit Groundwater ( Add Lines 7 through 10)</b>	<b>1,832,416</b>
PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	-5,711,312
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>	<b>-5,711,312</b>
TOTAL REPORTED CONSUMPTIVE USE OF PIT WATER		
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	<b>-3,878,896</b>

MILL CREEK DOLOMITE, LLC

PIT WATER MONITORING DATA

SUMP SURFACE AREA DATA:

SUMP A (sq ft) 2,163,342 SUMP B (sq ft) 1,051,207  
 PUMP A (GPM) 300 PUMP B (GPM) 200 New Pump Field Checked 1/18/16

DATE	WK	PU-19 QA		PU-18 QB		PIT WATER PUMPED			PIT RAIN WATER			TOTAL GALLONS	
		Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	QA GPD	QB GPD	Grand Total	RAIN FALL	VOLUME QA	GALLONS QA	VOLUME QB	GALLONS QB
10/7/16	40	6616	20.0	9638	43.0	73714	125143	0.0	0	0	0	0	0
10/14/16	41	6642	26.0	9697	59.0	101143	168000	1.9	342529	2562461	166441	1245146	3807607
10/21/16	42	6661	19.0	9722	25.0	42857	91714	0.2	36056	269733	17520	131068	400801
10/28/16	43	6678	17.0	9769	47.0	80571	124286	0.5	90139	674332	43800	327670	1002002
<b>Monthly Totals</b>			82.0		174.0	2311714	3945857	2.60	468724	3506525	227762	1703884	5210409
11/4/16	44	6701	23.0	9794	25.0	42857	102000	1.3	234362	1753262	113881	851942	2605204
11/11/16	45	6725	24.0	9848	54.0	92571	154286	1.3	234362	1753262	113881	851942	2605204
11/18/16	46	6743	18.0	9894	46.0	78857	125143	0.3	54084	404599	26280	196602	601201
11/25/16	47	6760	17.0	9941	47.0	80571	124286	0.0	0	0	0	0	0
12/2/16	48	6777	17.0	9970	29.0	49714	93429	0.2	36056	269733	17520	131068	400801
<b>Monthly Totals</b>			99.0		201.0	2067429	3594857	3.1	558863	4180857	271562	2031554	6212411
12/9/16	49	6797	20.0	10009	39.0	66857	118286	1.1	198306	1483530	96361	720874	2204404
12/16/16	50	6809	12.0	10037	28.0	48000	78857	0.0	0	0	0	0	0
12/23/16	51	6825	16.0	10073	36.0	61714	102857	0.0	0	0	0	0	0
12/30/16	52	6840	15.0	10102	29.0	49714	88286	0.4	72111	539465	35040	262136	801601
<b>Monthly Totals</b>			63.0		132.0	1753714	3009214	1.50	270418	2022995	131401	983010	3006005
<b>4th QUARTER TOTALS</b>			244.0		507.0	6,132,857	10,549,929	7.20	1298005	9710377	630724	4718448	14,428,825

**MILL CREEK DOLOMITE, LLC  
PIT WATER MONITORING DATA  
4th Quarter 2016**

**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	16,156	2.5
November	11,219	2.5
December	17,080	2.0
	44,455	

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

	Tons	Moisture	Tons H2O	Lbs H2O
October	16156	X 0.025 =	404	807,800
November	11219	X 0.025 =	280	560,950
December	17080	X 0.020 =	342	683,200
				2,051,950
Total Lbs	2,051,950			
Gallons	2,051,950 /	8.3 =	247,223	Gallons of water

**Misc. Water Data:**

**List of Equivalent:**

**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)

**MILL CREEK DOLOMITE 2016 TONS**

Month	Blasted Tons	Broken Boulders Recovered	Tons Hauled From Pit	Tons Crushed	North Pit Processed Tons	South Pit Processed Tons	Ball Mill Tons	Total Tons Shipped
January	0	0	18,368	18,228	19,413	10,031	170	12,211
February	16,074	0	19,992	22,316	19,992	11,454	306	14,719
March	16,520	0	17,274	17,834	16,630	10,169	229	13,041
April	23,427	0	17,108	17,052	14,544	9,237	0.00	11,795
May	13,435	0	18,284	18,704	15,989	11,449	1,969	13,835
June	19,201	0	19,596	20,464	16,078	12,238	1,417	14,755
July	9,468	0	17,286	17,286	14,145	10,724	911	16,099
August	25,247	0	16,296	16,296	15,274	11,098	602	16,152
September	0	0	16,632	17,220	13,884	11,131	8	13,049
October	18,946	0	16,156	16,072	13,076	12,341	0	13,477
November	0	0	11,219	11,135	12,507	12,445	0	11,862
December	22,152	0	17,080	17,080	14,561	11,525	0	12,225
<b>Totals</b>	<b>164,470</b>	<b>0</b>	<b>205,291</b>	<b>209,687</b>	<b>186,093</b>	<b>133,842</b>	<b>5,612</b>	<b>163,219</b>
1st quarter	32,594	0	55,634	58,378	56,035	31,654	705	39,971
2nd quarter	56,063	0	54,988	56,220	46,611	32,924	3,386	40,385
3rd quarter	34,715	0	50,214	50,802	43,303	32,953	1,521	45,300
4th quarter	41,098	0	44,455	44,287	40,144	36,311	0	37,564

**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

Date	Oct-16										
	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)
10/01/16	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
10/02/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
10/03/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
10/04/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
10/05/16	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
10/06/16	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
10/07/16	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
10/08/16	0.19	0.133	143.25	1071.67	2912.72	21790.07	332.50	2487.43	387.92	2902.00	28251.18
10/09/16	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
10/10/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
10/11/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
10/12/16	0.19	0.133	143.25	1071.67	2912.72	21790.07	332.50	2487.43	387.92	2902.00	28251.18
10/13/16	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
10/14/16	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
10/15/16	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
10/16/16	0.21	0.147	158.33	1184.48	3219.32	24083.77	367.50	2749.27	428.75	3207.48	31224.99
10/17/16	0.26	0.182	196.03	1466.49	3985.83	29818.00	455.00	3403.86	530.83	3971.16	38659.51
10/18/16	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/19/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
10/20/16	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/21/16	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/22/16	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
10/23/16	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/24/16	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
10/25/16	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
10/26/16	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/27/16	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/28/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
10/29/16	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
10/30/16	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
10/31/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
	<b>Monthly Total</b>										
			<b>3,769.79</b>	<b>28,201.81</b>	<b>76,650.58</b>	<b>573,423.01</b>	<b>8,750.00</b>	<b>65,458.75</b>	<b>10,208.33</b>	<b>76,368.54</b>	<b>743,452.12</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-16											
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)
2016-12-01	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
2016-12-02	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
2016-12-03	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
2016-12-04	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
2016-12-05	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
2016-12-06	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2016-12-07	0.08	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
2016-12-09	0.05	0.035	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
2016-12-10	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
2016-12-11	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
2016-12-12	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
2016-12-13	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2016-12-14	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2016-12-15	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
2016-12-16	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2016-12-17	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
2016-12-18	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
2016-12-19	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2016-12-20	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
2016-12-21	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
2016-12-22	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
2016-12-23	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
2016-12-24	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
2016-12-25	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
2016-12-26	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
2016-12-27	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
2016-12-28	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
2016-12-29	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
2016-12-30	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
2016-12-31	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
<b>Monthly Total</b>			<b>1,854.74</b>	<b>13,875.29</b>	<b>37,712.09</b>	<b>282,124.12</b>	<b>4,305.00</b>	<b>32,205.71</b>	<b>5,022.50</b>	<b>37,573.32</b>	<b>365,778.44</b>
<b>Quarterly Total</b>			<b>7,841.17</b>	<b>58,659.77</b>	<b>159,433.21</b>	<b>1,192,719.87</b>	<b>18,200.00</b>	<b>136,154.20</b>	<b>21,233.33</b>	<b>158,846.57</b>	<b>1,546,380.40</b>



Mesonet  
 Seasonal Single Site ET Table  
 Tishomingo  
 4th Quarter 2016

Date	Reference ET, Short [in]	Reference ET, Tall [in]	Cool Season Grass ET [in]	Warm Season Grass ET [in]	Pan Evaporation [in]
2016-12-31	0.10	0.16	0.09	0.06	0.13
2016-12-30	0.11	0.17	0.10	0.07	0.15
2016-12-29	0.13	0.21	0.12	0.08	0.20
2016-12-28	0.12	0.19	0.11	0.08	0.16
2016-12-27	0.08	0.13	0.07	0.05	0.11
2016-12-26	0.09	0.14	0.08	0.05	0.11
2016-12-25	0.06	0.09	0.05	0.04	0.08
2016-12-24	0.03	0.04	0.03	0.02	0.03
2016-12-23	0.02	0.03	0.02	0.01	0.03
2016-12-22	0.07	0.11	0.06	0.04	0.09
2016-12-21	0.09	0.14	0.08	0.05	0.12
2016-12-20	0.06	0.10	0.05	0.04	0.08
2016-12-19	0.04	0.05	0.03	0.02	0.05
2016-12-18	0.03	0.05	0.03	0.02	0.04
2016-12-17	0.06	0.09	0.05	0.04	0.08
2016-12-16	0.04	0.05	0.03	0.02	0.05
2016-12-15	0.05	0.07	0.04	0.03	0.06
2016-12-14	0.04	0.06	0.04	0.03	0.05
2016-12-13	0.04	0.05	0.03	0.02	0.05
2016-12-12	0.04	0.06	0.04	0.03	0.06
2016-12-11	0.10	0.15	0.09	0.06	0.13
2016-12-10	0.07	0.11	0.07	0.04	0.10
2016-12-09	0.04	0.06	0.04	0.02	0.05
2016-12-08	0.06	0.09	0.06	0.04	0.08
2016-12-07	0.06	0.09	0.05	0.03	0.07
2016-12-06	0.04	0.05	0.04	0.02	0.05
2016-12-05	0.02	0.02	0.02	0.01	0.03
2016-12-04	0.02	0.02	0.02	0.01	0.02
2016-12-03	0.02	0.03	0.02	0.01	0.03
2016-12-02	0.06	0.08	0.05	0.03	0.07
2016-12-01	0.08	0.12	0.07	0.05	0.10
2016-11-30	0.08	0.13	0.08	0.05	0.11
2016-11-29	0.10	0.16	0.10	0.06	0.14
2016-11-28	0.09	0.14	0.08	0.06	0.12
2016-11-27	0.04	0.06	0.04	0.03	0.06
2016-11-26	0.04	0.05	0.04	0.02	0.05
2016-11-25	0.07	0.10	0.06	0.04	0.09
2016-11-24	0.06	0.09	0.06	0.04	0.07
2016-11-23	0.06	0.09	0.06	0.04	0.08
2016-11-22	0.04	0.06	0.04	0.03	0.05
2016-11-21	0.10	0.15	0.09	0.06	0.13
2016-11-20	0.08	0.12	0.08	0.05	0.11
2016-11-19	0.06	0.09	0.06	0.04	0.08
2016-11-18	0.15	0.24	0.14	0.09	0.22
2016-11-17	0.12	0.18	0.12	0.08	0.17
2016-11-16	0.11	0.16	0.10	0.07	0.13
2016-11-15	0.08	0.10	0.07	0.05	0.09

2016-11-14	0.08	0.11	0.08	0.05	0.10
2016-11-13	0.07	0.10	0.07	0.05	0.09
2016-11-12	0.09	0.12	0.08	0.05	0.11
2016-11-11	0.09	0.12	0.08	0.05	0.10
2016-11-10	0.06	0.08	0.06	0.04	0.08
2016-11-09	0.08	0.11	0.07	0.05	0.10
2016-11-08	0.03	0.04	0.03	0.02	0.04
2016-11-07	0.03	0.03	0.02	0.02	0.03
2016-11-06	0.08	0.11	0.07	0.05	0.10
2016-11-05	0.08	0.10	0.07	0.05	0.10
2016-11-04	0.05	0.06	0.05	0.03	0.06
2016-11-03	0.05	0.06	0.05	0.03	0.06
2016-11-02	0.11	0.15	0.10	0.07	0.14
2016-11-01	0.10	0.13	0.09	0.06	0.13
2016-10-31	0.13	0.18	0.12	0.08	0.16
2016-10-30	0.11	0.13	0.10	0.07	0.13
2016-10-29	0.13	0.19	0.12	0.08	0.17
2016-10-28	0.13	0.18	0.12	0.08	0.16
2016-10-27	0.11	0.13	0.10	0.07	0.13
2016-10-26	0.11	0.14	0.10	0.07	0.13
2016-10-25	0.09	0.12	0.09	0.06	0.11
2016-10-24	0.12	0.15	0.11	0.07	0.14
2016-10-23	0.11	0.15	0.10	0.07	0.13
2016-10-22	0.12	0.16	0.11	0.07	0.15
2016-10-21	0.10	0.14	0.10	0.07	0.13
2016-10-20	0.12	0.17	0.11	0.08	0.17
2016-10-19	0.13	0.16	0.12	0.08	0.16
2016-10-18	0.14	0.18	0.13	0.08	0.17
2016-10-17	0.19	0.27	0.17	0.12	0.26
2016-10-16	0.16	0.22	0.15	0.10	0.21
2016-10-15	0.14	0.19	0.13	0.09	0.18
2016-10-14	0.09	0.11	0.09	0.06	0.11
2016-10-13	0.06	0.08	0.06	0.04	0.07
2016-10-12	0.15	0.20	0.14	0.09	0.19
2016-10-11	0.16	0.21	0.14	0.10	0.20
2016-10-10	0.13	0.17	0.12	0.08	0.16
2016-10-09	0.10	0.12	0.09	0.06	0.12
2016-10-08	0.14	0.20	0.13	0.09	0.19
2016-10-07	0.11	0.16	0.11	0.07	0.15
2016-10-06	0.14	0.19	0.13	0.09	0.18
2016-10-05	0.18	0.25	0.17	0.11	0.24
2016-10-04	0.15	0.21	0.14	0.09	0.20
2016-10-03	0.16	0.20	0.15	0.10	0.20
2016-10-02	0.14	0.16	0.13	0.08	0.16
2016-10-01	0.11	0.13	0.11	0.07	0.14

MILL CREEK DOLOMITE WATER USAGE LOG  
4th QUARTER 2016

4th QUARTER 2016							Calculated		
Water Truck Miles							END	MILES	Loads
DATE	RAINFALL	START	END	MILES	Loads				
Friday 10/1/2016	0.0	73085	73085	0	0				
Saturday 10/2/2016	0.0	73085	73114	29	3.625				
Sunday 10/3/2016	0.0	73114	73114	0	0				
Monday 10/4/2016	0.0	73114	73114	0	0				
Tuesday 10/5/2016	0	73114	73114	0	0				
Wednesday 10/6/2016	0.7	73114	73114	0	0				
Thursday 10/7/2016	0.7	73114	73114	0	0				
Friday 10/8/2016	0.45	73114	73114	0	0				
Saturday 10/9/2016	0	73114	73114	0	0				
Sunday 10/10/2016	0	73114	73114	0	0				
Monday 10/11/2016	0	73114	73114	0	0				
Tuesday 10/12/2016	0	73114	73114	0	0				
Wednesday 10/13/2016	0.16	73114	73114	0	0				
Thursday 10/14/2016	0	73114	73114	0	0				
Friday 10/15/2016	0	73114	73114	0	0				
Saturday 10/16/2016	0	73114	73114	0	0				
Sunday 10/17/2016	0	73114	73114	0	0				
Monday 10/18/2016	0	73114	73114	0	0				
Tuesday 10/19/2016	0.45	73114	73114	0	0				
Wednesday 10/20/2016	0.07	73114	73114	0	0				
Thursday 10/21/2016	0	73114	73114	0	0				
Friday 10/22/2016	0.01	73114	73137	23	3				
Saturday 10/23/2016	0	73137	73137	0	0				
Sunday 10/24/2016	0	73137	73137	0	0				
Monday 10/25/2016	0	73137	73137	0	0				
Tuesday 10/26/2016	1.28	73137	73137	0	0				
Wednesday 10/27/2016	0	73137	73137	0	0				
Thursday 10/28/2016	0	73137	73137	0	0				
Friday 10/29/2016	0	73137	73137	0	0				
Saturday 10/30/2016	0	73137	73137	0	0				
Sunday 10/31/2016		73137	73137	0	0				
Monday 11/1/2016		73137	73137	0	0				
Tuesday 11/2/2016	0.77	73137	73137	0	0				
Wednesday 11/3/2016	0.45	73137	73137	0	0				
Thursday 11/4/2016		73137	73137	0	0				
Friday 11/5/2016		73137	73137	0	0				
Saturday 11/6/2016	0.09	73137	73137	0	0				
Sunday 11/7/2016	0.15	73137	73137	0	0				
Monday 11/8/2016	0.12	73137	73137	0	0				
Tuesday 11/9/2016		73137	73137	0	0				
Wednesday 11/10/2016	0.01	73137	73137	0	0				
Thursday 11/11/2016		73137	73137	0	0				
Friday 11/12/2016		73137	73137	0	0				

Water Truck Summary		
Loads	Gallons	
1	4,500	38813
3rd Quarter totals	9	38813

WELL			
DATE	WK	26 PU - 21 Meter Reading	Ag Lime Hours RAN
4/8/16	14	11062	0.0
4/15/16	15	11062	0.0
4/22/16	16	11062	0.0
4/29/16	17	11062	0.0
5/6/16	18	11062	0.0
5/13/16	19	11062	0.0
5/20/16	20	11062	0.0
5/27/16	21	11062	0.0
6/3/16	22	11062	0.0
6/10/16	23	11062	0.0
6/17/16	24	11062	0.0
6/24/16	25	11062	0.0
7/1/16	26	11062	0.0
4th Quarter Total		0	0.0
Total gallons ( @ 476.47/hr)		38813	

4th QUARTER TOTAL GROUNDWATER USAGE (gallons) 38813

Saturday	11/13/2016		73137	73137	0	0
Sunday	11/14/2016		73137	73137	0	0
Monday	11/15/2016		73137	73137	0	0
Tuesday	11/16/2016		73137	73137	0	0
Wednesday	11/17/2016		73137	73137	0	0
Thursday	11/18/2016		73137	73154	17	2
Friday	11/19/2016		73154	73154	0	0
Saturday	11/20/2016		73154	73154	0	0
Sunday	11/21/2016		73154	73154	0	0
Monday	11/22/2016	0.15	73154	73154	0	0
Tuesday	11/23/2016		73154	73154	0	0
Wednesday	11/24/2016	0.01	73154	73154	0	0
Thursday	11/25/2016		73154	73154	0	0
Friday	11/26/2016		73154	73154	0	0
Saturday	11/27/2016	0.02	73154	73154	0	0
Sunday	11/28/2016	0.48	73154	73154	0	0
Monday	11/29/2016	0	73154	73154	0	0
Tuesday	11/30/2016	0	73154	73154	0	0
Wednesday	12/1/2016	0	73154	73154	0	0
Thursday	12/2/2016	0.04	73154	73154	0	0
Friday	12/3/2016	0.52	73154	73154	0	0
Saturday	12/4/2016	0.08	73154	73154	0	0
Sunday	12/5/2016	0.00	73154	73154	0	0
Monday	12/6/2016	0.00	73154	73154	0	0
Tuesday	12/7/2016	0.00	73154	73154	0	0
Wednesday	12/8/2016	0.00	73154	73154	0	0
Thursday	12/9/2016	0.00	73154	73154	0	0
Friday	12/10/2016	0.00	73154	73154	0	0
Saturday	12/11/2016	0.00	73154	73154	0	0
Sunday	12/12/2016	0.00	73154	73154	0	0
Monday	12/13/2016	0.00	73154	73154	0	0
Tuesday	12/14/2016	0.00	73154	73154	0	0
Wednesday	12/15/2016	0.00	73154	73154	0	0
Thursday	12/16/2016	0.03	73154	73154	0	0
Friday	12/17/2016	0.01	73154	73154	0	0
Saturday	12/18/2016	0.00	73154	73154	0	0
Sunday	12/19/2016	0.00	73154	73154	0	0
Monday	12/20/2016	0.00	73154	73154	0	0
Tuesday	12/21/2016	0.00	73154	73154	0	0
Wednesday	12/22/2016	0.00	73154	73154	0	0
Thursday	12/23/2016	0.13	73154	73154	0	0
Friday	12/24/2016	0.03	73154	73154	0	0
Saturday	12/25/2016	0.21	73154	73154	0	0
Sunday	12/26/2016	0.00	73154	73154	0	0
Monday	12/27/2016	0.00	73154	73154	0	0
Tuesday	12/28/2016	0.00	73154	73154	0	0
Wednesday	12/29/2016	0.00	73154	73154	0	0
Thursday	12/30/2016	0.00	73154	73154	0	0
Friday	12/31/2016	0.00	73154	73154	0	0
<b>Totals</b>		<b>7.12</b>			<b>69.0</b>	<b>8.6</b>

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

DATE	WK	PU-19 QA		PU-18 QB		PU-04		PU-03		PU-21	
		65HP Meter Reading	HRS. RAN	35HP Meter Reading	HRS. RAN	Big Meter	Hrs. Ran	Little Meter	Hrs.	AG- Meter	Lime Hrs.
10/7/16	40	6616.0	20.0	9638.0	43.0	7045.0	41.0	1279.0	0.0	11062.0	0.0
10/14/16	41	6642.0	26.0	9697.0	59.0	7072.0	27.0	1279.0	0.0	11062.0	0.0
10/21/16	42	6661.0	19.0	9722.0	25.0	7098.0	26.0	1279.0	0.0	11062.0	0.0
10/28/16	43	6678.0	17.0	9769.0	47.0	7139.0	41.0	1279.0	0.0	11062.0	0.0
11/4/16	44	6701.0	23.0	9794.0	25.0	7140.0	1.0	1279.0	0.0	11062.0	0.0
11/11/16	45	6725.0	24.0	9848.0	54.0	7168.0	28.0	1279.0	0.0	11062.0	0.0
11/18/16	46	6743.0	18.0	9894.0	46.0	7203.0	35.0	1279.0	0.0	11062.0	0.0
11/25/16	47	6760.0	17.0	9941.0	47.0	7235.0	32.0	1279.0	0.0	11062.0	0.0
12/2/16	48	6777.0	17.0	9970.0	29.0	7312.3	77.3	1279.0	0.0	11062.0	0.0
12/9/16	49	6797.0	20.0	10009.0	39.0	7389.7	77.3	1279.0	0.0	11062.0	0.0
12/16/16	50	6809.0	12.0	10037.0	28.0	7467.0	77.3	1279.0	0.0	11062.0	0.0
12/23/16	51	6825.0	16.0	10073.0	36.0	7544.3	77.3	1279.0	0.0	11062.0	0.0
12/30/16	52	6840.0	15.0	10102.0	29.0	7621.7	77.3	1279.0	0.0	11062.0	0.0

Day/Date	MCD Rainfall Measure ment
Monday, October 03, 2016	0.0
Tuesday, October 04, 2016	0.0
Wednesday, October 05, 2016	0.0
Thursday, October 06, 2016	0.7
Friday, October 07, 2016	0.7
Saturday, October 08, 2016	0.5
Sunday, October 09, 2016	0.0
Totals	1.9
Monday, October 10, 2016	0.0
Tuesday, October 11, 2016	0.0
Wednesday, October 12, 2016	0.0
Thursday, October 13, 2016	0.2
Friday, October 14, 2016	0.0
Saturday, October 15, 2016	0.0
Sunday, October 16, 2016	0.0
Totals	0.2
Monday, October 17, 2016	0.0
Tuesday, October 18, 2016	0.0
Wednesday, October 19, 2016	0.5
Thursday, October 20, 2016	0.1
Friday, October 21, 2016	0.0
Saturday, October 22, 2016	0.0
Sunday, October 23, 2016	0.0
Totals	0.5
Monday, October 24, 2016	0.0
Tuesday, October 25, 2016	0.0
Wednesday, October 26, 2016	1.3
Thursday, October 27, 2016	0.0
Friday, October 28, 2016	0.0
Saturday, October 29, 2016	0.0
Sunday, October 30, 2016	0.0
Totals	1.3
Monday, October 31, 2016	0.0
Tuesday, November 01, 2016	0.0
Wednesday, November 02, 2016	0.8
Thursday, November 03, 2016	0.5
Friday, November 04, 2016	0.0
Saturday, November 05, 2016	0.0
Sunday, November 06, 2016	0.1
Totals	1.3
Monday, November 07, 2016	0.2
Tuesday, November 08, 2016	0.1
Wednesday, November 09, 2016	0.0
Thursday, November 10, 2016	0.0
Friday, November 11, 2016	0.0
Saturday, November 12, 2016	0.0
Sunday, November 13, 2016	0.0
Totals	0.3
Monday, November 14, 2016	0.0
Tuesday, November 15, 2016	0.0
Wednesday, November 16, 2016	0.0
Thursday, November 17, 2016	0.0

Day/Date	MCD Rainfall Measure ment
Friday, November 18, 2016	0.0
Saturday, November 19, 2016	0.0
Sunday, November 20, 2016	0.0
Totals	0.0
Monday, November 21, 2016	0.0
Tuesday, November 22, 2016	0.2
Wednesday, November 23, 2016	0.0
Thursday, November 24, 2016	0.0
Friday, November 25, 2016	0.0
Saturday, November 26, 2016	0.0
Sunday, November 27, 2016	0.0
Totals	0.2
Monday, November 28, 2016	0.5
Tuesday, November 29, 2016	0.0
Wednesday, November 30, 2016	0.0
Thursday, December 01, 2016	0.0
Friday, December 02, 2016	0.0
Saturday, December 03, 2016	0.5
Sunday, December 04, 2016	0.1
Totals	1.1
Monday, December 05, 2016	0.0
Tuesday, December 06, 2016	0.0
Wednesday, December 07, 2016	0.0
Thursday, December 08, 2016	0.0
Friday, December 09, 2016	0.0
Saturday, December 10, 2016	0.0
Sunday, December 11, 2016	0.0
Totals	0.0
Monday, December 12, 2016	0.0
Tuesday, December 13, 2016	0.0
Wednesday, December 14, 2016	0.0
Thursday, December 15, 2016	0.0
Friday, December 16, 2016	0.0
Saturday, December 17, 2016	0.0
Sunday, December 18, 2016	0.0
Totals	0.0
Monday, December 19, 2016	0.0
Tuesday, December 20, 2016	0.0
Wednesday, December 21, 2016	0.0
Thursday, December 22, 2016	0.0
Friday, December 23, 2016	0.1
Saturday, December 24, 2016	0.0
Sunday, December 25, 2016	0.2
Totals	0.4
Monday, December 26, 2016	0.0
Tuesday, December 27, 2016	0.0
Wednesday, December 28, 2016	0.0
Thursday, December 29, 2016	0.0
Friday, December 30, 2016	0.0
Saturday, December 31, 2016	0.0
Totals	0.0