

# MILL CREEK DOLOMITE, LLC

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## SITE SPECIFIC WATER MANAGEMENT

&

## CONSERVATION PLAN

**RECEIVED**

MAY 10 2013

OKLAHOMA WATER  
RESOURCES BOARD

## QUARTERLY REPORT

1<sup>ST</sup> QUARTER, 2013

### Prepared By:

Jose Ontiveros

Engineering Manager

Mill Creek Dolomite LLC

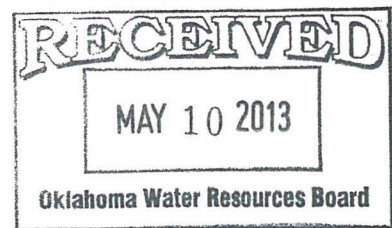
9915 West Amos Conley Road

Mill Creek, OK 74856

(580) 384-5271

**MILL CREEK DOLOMITE, LLC**

9915 West Amos Conley Road  
Mill Creek, Oklahoma 74856  
Phone: (580) 384-5271  
Fax: (580) 384-5747



3/27/2013

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

RE: Quarterly Report, First Quarter 2013

Dear Mr. Wilkins:

As required under **Oklahoma Statute §82-1020.2 (E)(1) and 785:30-15 Rules**, Mill Creek Dolomite is submitting a quarterly report for the first quarter of calendar year 2013.

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

Sincerely,

A handwritten signature in blue ink, consisting of a stylized 'J' and 'O' followed by a long horizontal stroke.

**Jose Ontiveros**

Engineering Manager  
Mill Creek Dolomite, LLC

Attachment: Quarterly Report, 1<sup>st</sup> Quarter 2013.

# CONSUMPTIVE USE REPORT

1ST QUARTER, 2013

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)	9,272,786
2	Volume of precipitation that falls onto the surface of water in the producing mining pits(s)	100,596
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	100,596
6	<b>Pit Ground Water Volume</b> (Line 1 minus Line 5)	9,172,190
DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	280,969
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)	410,177
10	Volume of pit groundwater that is used for other beneficial uses off the mine site	
11	<b>Defined Elements of Consumptive Use of Pit Groundwater</b> (Add Lines 7 through 10)	691,146
PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	8,481,044
13	<b>Groundwater Augmentation:</b> Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	CREDITS
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 line 7 through 10)	
17	<b>Other Non-Consumptive Losses</b> Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other losses (not included in line 7 through 10)	
18	Add lines 13 through 17)	0
19	<b>Other Consumptive Use (adjusted) (Line 12 minus Line 18)</b>	8,481,044
TOTAL REPORTED CONSUMPTIVE USE OF OF PIT		
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	9,172,190





# MILL CREEK DOLOMITE, LLC

## RAINFALL DATA

	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
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### JANUARY

1-Jan					
2-Jan					
3-Jan					
4-Jan					
5-Jan					
6-Jan					
7-Jan					
8-Jan					
9-Jan	0.5				
10-Jan	0.7				
11-Jan					
12-Jan					
13-Jan	0.2				
14-Jan					
15-Jan					
16-Jan					
17-Jan					
18-Jan					
19-Jan					
20-Jan					
21-Jan					
22-Jan	0.3				
23-Jan					
24-Jan					
25-Jan					
26-Jan					
27-Jan					
28-Jan					
29-Jan	1				
30-Jan					
31-Jan					
			1.0		
			2.7		

### FEBUARY

1-Feb					
2-Feb					
3-Feb					
4-Feb					
5-Feb					
6-Feb	0.2				
7-Feb					
8-Feb					
9-Feb	0.5				
10-Feb					
11-Feb					
12-Feb	0.9				
13-Feb					
14-Feb					
15-Feb					
16-Feb					
17-Feb					
18-Feb					
19-Feb	1.3				
20-Feb					
21-Feb					
22-Feb					
23-Feb					
24-Feb					
25-Feb	0.5				
26-Feb					
27-Feb					
28-Feb					
29-Feb					
			3.4		

2.7

4.4

6.1

6.3

MARCH		
1-Mar		
2-Mar		
3-Mar		
4-Mar		
5-Mar		
6-Mar		
7-Mar		
8-Mar		
9-Mar	0.8	
10-Mar		
11-Mar		
12-Mar		
13-Mar		
14-Mar		
15-Mar		
16-Mar		
17-Mar		
18-Mar		
19-Mar		
20-Mar		
21-Mar		
22-Mar	0.5	
23-Mar	0.2	
24-Mar		
25-Mar		
26-Mar		
27-Mar		
28-Mar		
29-Mar		
30-Mar		
31-Mar		

1.5

7.6

12.5

APRIL		
1-Apr		
2-Apr	0.7	
3-Apr	0.5	
4-Apr		
5-Apr		
6-Apr		
7-Apr		
8-Apr		
9-Apr		
10-Apr	0.6	
11-Apr		
12-Apr		
13-Apr		
14-Apr		
15-Apr		
16-Apr		
17-Apr		
18-Apr	0.3	
19-Apr		
20-Apr		
21-Apr		
22-Apr		drizzle
23-Apr		
24-Apr		
25-Apr		
26-Apr		
27-Apr		
28-Apr		
29-Apr		
30-Apr		

2.1

9.7

14.9



# PIT WATER MONITORING DATA

MILL CREEK DOLOMITE, LLC

## EVAPORATION

Sump A (ft<sup>2</sup>) 12,925 Sump B (ft<sup>2</sup>) 8,307  
Settling A (ft<sup>2</sup>) 30,000 Settling B (ft<sup>2</sup>) 35,000

JANUARY, 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft <sup>3</sup> )	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft <sup>3</sup> )	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft <sup>3</sup> )	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft <sup>3</sup> )	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
01/01/13	0.02	0.014	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
01/02/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
01/03/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/04/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
01/05/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/06/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/07/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
01/08/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
01/09/13	0.03	0.021	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
01/10/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
01/11/13	0.14	0.098	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
01/12/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/13/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
01/14/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/15/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/16/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
01/17/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/18/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/19/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/20/13	0.08	0.056	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
01/21/13	0.13	0.091	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
01/22/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/23/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/24/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/25/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
01/26/13	0.02	0.014	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
01/27/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/28/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/29/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
01/30/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/31/13	0.17	0.119	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
Monthly Totals			1734.10	12972.83	1114.52	8337.74	4025.00	30111.03	4695.83	35129.53	86551.13



MARCH, 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft <sup>3</sup> )	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft <sup>3</sup> )	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft <sup>3</sup> )	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft <sup>3</sup> )	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
3/1/2013	0.11	0.08	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
3/2/2013	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
03/03/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
03/04/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
03/05/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
03/06/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
03/07/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
03/08/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
03/09/13	0.07	0.05	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
03/10/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
03/11/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
03/12/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
03/13/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
03/14/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
03/15/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
03/16/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
03/17/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
03/18/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
03/19/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
03/20/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
03/21/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
03/22/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
03/23/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
03/24/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
03/25/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
03/26/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
03/27/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
03/28/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
03/29/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
03/30/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
03/31/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
Monthly Totals			3988.44	29837.52	2563.40	19176.81	9257.50	69255.36	10800.42	80797.92	199067.60
Quarterly Total			8218.15	61479.95	5281.87	39513.65	19075.00	142700.08	22254.17	166483.42	410177.10



**FEBRUARY, 2013**

Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft <sup>3</sup> )	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft <sup>3</sup> )	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft <sup>3</sup> )	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft <sup>3</sup> )	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
02/01/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/02/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/03/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/04/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/05/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
02/06/13	0.02	0.01	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
02/07/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
02/08/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
02/09/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
02/10/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
02/11/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/12/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
02/13/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
02/14/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
02/15/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/16/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
02/17/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
02/18/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
02/19/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/20/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
02/21/13	0.11	0.08	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
02/22/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
02/23/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
02/24/13	0.16	0.11	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
02/25/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
02/26/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/27/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/28/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
<b>Monthly Totals</b>			<b>2495.60</b>	<b>18669.60</b>	<b>1603.94</b>	<b>11999.10</b>	<b>5792.50</b>	<b>43333.69</b>	<b>6757.92</b>	<b>50555.97</b>	<b>124558.37</b>

Date	Reference ET, Short [in]	Reference ET, Tall [in]	Cool Season Grass ET [in]	Warm Season Grass ET [in]	Pan Evaporation [in]
2013-05-08	0.26	0.35	0.24	0.16	0.36
2013-05-07	0.19	0.23	0.18	0.12	0.24
2013-05-06	0.17	0.20	0.16	0.11	0.21
2013-05-05	0.12	0.15	0.11	0.07	0.15
2013-05-04	0.15	0.21	0.14	0.09	0.20
2013-05-03	0.17	0.24	0.16	0.11	0.24
2013-05-02	0.12	0.18	0.11	0.07	0.17
2013-05-01	0.19	0.24	0.17	0.12	0.24
2013-04-30	0.21	0.26	0.19	0.13	0.27
2013-04-29	0.23	0.29	0.21	0.14	0.29
2013-04-28	0.18	0.21	0.17	0.11	0.22
2013-04-27	0.12	0.14	0.11	0.07	0.15
2013-04-26	0.11	0.16	0.10	0.07	0.15
2013-04-25	0.16	0.21	0.15	0.10	0.21
2013-04-24	0.16	0.21	0.15	0.10	0.21
2013-04-23	0.10	0.15	0.09	0.06	0.13
2013-04-22	0.18	0.24	0.17	0.11	0.25
2013-04-21	0.18	0.24	0.17	0.11	0.24
2013-04-20	0.20	0.27	0.18	0.12	0.28
2013-04-19	0.16	0.21	0.15	0.10	0.21
2013-04-18	0.20	0.31	0.19	0.13	0.29
2013-04-17	0.18	0.25	0.16	0.11	0.25
2013-04-16	0.16	0.20	0.14	0.10	0.20
2013-04-15	0.20	0.26	0.18	0.12	0.26
2013-04-14	0.20	0.26	0.18	0.12	0.27
2013-04-13	0.18	0.26	0.17	0.11	0.25
2013-04-12	0.15	0.19	0.14	0.10	0.19
2013-04-11	0.14	0.18	0.13	0.09	0.18
2013-04-10	0.08	0.13	0.08	0.05	0.11
2013-04-09	0.11	0.16	0.11	0.07	0.16
2013-04-08	0.14	0.20	0.13	0.08	0.20
2013-04-07	0.07	0.10	0.07	0.05	0.10
2013-04-06	0.19	0.27	0.18	0.12	0.27
2013-04-05	0.13	0.17	0.12	0.08	0.17
2013-04-04	0.07	0.09	0.07	0.04	0.09



2013-04-03	0.04	0.06	0.04	0.03	0.05
2013-04-02	0.04	0.06	0.04	0.03	0.06
2013-04-01	0.17	0.22	0.16	0.11	0.22
2013-03-31	0.15	0.20	0.14	0.10	0.20
2013-03-30	0.12	0.15	0.11	0.07	0.15
2013-03-29	0.13	0.18	0.12	0.08	0.17
2013-03-28	0.15	0.21	0.14	0.09	0.20
2013-03-27	0.19	0.28	0.18	0.12	0.28
2013-03-26	0.11	0.13	0.10	0.07	0.14
2013-03-25	0.12	0.17	0.11	0.07	0.17
2013-03-24	0.12	0.17	0.11	0.07	0.18
2013-03-23	0.03	0.03	0.02	0.02	0.03
2013-03-22	0.03	0.04	0.03	0.02	0.04
2013-03-21	0.11	0.16	0.10	0.07	0.15
2013-03-20	0.14	0.18	0.13	0.08	0.18
2013-03-19	0.11	0.15	0.10	0.07	0.14
2013-03-18	0.13	0.18	0.12	0.08	0.17
2013-03-17	0.09	0.13	0.09	0.06	0.12
2013-03-16	0.21	0.29	0.19	0.13	0.29
2013-03-15	0.21	0.30	0.19	0.13	0.29
2013-03-14	0.18	0.25	0.17	0.11	0.24
2013-03-13	0.13	0.18	0.12	0.08	0.18
2013-03-12	0.10	0.14	0.10	0.06	0.13
2013-03-11	0.11	0.15	0.10	0.07	0.14
2013-03-10	0.07	0.10	0.07	0.05	0.10
2013-03-09	0.05	0.07	0.05	0.03	0.07
2013-03-08	0.08	0.13	0.08	0.05	0.11
2013-03-07	0.18	0.27	0.17	0.11	0.27
2013-03-06	0.10	0.14	0.09	0.06	0.13
2013-03-05	0.15	0.23	0.14	0.09	0.24
2013-03-04	0.23	0.35	0.21	0.14	0.35
2013-03-03	0.16	0.24	0.15	0.10	0.23
2013-03-02	0.09	0.13	0.09	0.06	0.12
2013-03-01	0.09	0.12	0.08	0.05	0.11
2013-02-28	0.11	0.16	0.10	0.07	0.15
2013-02-27	0.10	0.15	0.10	0.06	0.14

2013-02-25	0.03	0.05	0.03	0.02	0.04
2013-02-24	0.12	0.17	0.11	0.07	0.16
2013-02-23	0.08	0.10	0.07	0.05	0.10
2013-02-22	0.07	0.10	0.07	0.05	0.10
2013-02-21	0.08	0.12	0.08	0.05	0.11
2013-02-20	0.04	0.06	0.04	0.03	0.05
2013-02-19	0.10	0.14	0.09	0.06	0.13
2013-02-18	0.16	0.25	0.15	0.10	0.24
2013-02-17	0.17	0.26	0.16	0.10	0.24
2013-02-16	0.08	0.11	0.07	0.05	0.10
2013-02-15	0.10	0.14	0.09	0.06	0.14
2013-02-14	0.09	0.13	0.09	0.06	0.12
2013-02-13	0.08	0.11	0.07	0.05	0.10
2013-02-12	0.03	0.04	0.03	0.02	0.04
2013-02-11	0.10	0.15	0.10	0.06	0.14
2013-02-10	0.12	0.19	0.12	0.08	0.17
2013-02-09	0.05	0.07	0.04	0.03	0.06
2013-02-08	0.09	0.13	0.08	0.06	0.12
2013-02-07	0.06	0.08	0.05	0.04	0.08
2013-02-06	0.02	0.01	0.01	0.01	0.02
2013-02-05	0.03	0.04	0.03	0.02	0.04
2013-02-04	0.11	0.16	0.10	0.07	0.14
2013-02-03	0.10	0.15	0.09	0.06	0.13
2013-02-02	0.10	0.14	0.09	0.06	0.13
2013-02-01	0.09	0.14	0.09	0.06	0.13
2013-01-31	0.13	0.20	0.12	0.08	0.17
2013-01-30	0.07	0.10	0.06	0.04	0.10
2013-01-29	0.06	0.08	0.05	0.03	0.07
2013-01-28	0.07	0.11	0.07	0.05	0.10
2013-01-27	0.04	0.06	0.04	0.03	0.05
2013-01-26	0.02	0.02	0.01	0.01	0.02
2013-01-25	0.05	0.07	0.05	0.03	0.06
2013-01-24	0.04	0.05	0.04	0.03	0.05
2013-01-23	0.08	0.11	0.07	0.05	0.10
2013-01-22	0.07	0.10	0.06	0.04	0.09
2013-01-21	0.09	0.14	0.09	0.06	0.13



2013-01-19	0.07	0.11	0.07	0.05	0.09
2013-01-18	0.07	0.11	0.07	0.05	0.09
2013-01-17	0.08	0.12	0.07	0.05	0.10
2013-01-16	0.05	0.08	0.05	0.03	0.07
2013-01-15	0.04	0.06	0.04	0.03	0.05
2013-01-14	0.07	0.11	0.06	0.04	0.10
2013-01-13	0.05	0.08	0.05	0.03	0.07
2013-01-12	0.08	0.12	0.07	0.05	0.10
2013-01-11	0.11	0.17	0.10	0.07	0.14
2013-01-10	0.04	0.06	0.04	0.03	0.06
2013-01-09	0.02	0.03	0.02	0.01	0.03
2013-01-08	0.03	0.04	0.03	0.02	0.04
2013-01-07	0.05	0.07	0.04	0.03	0.06
2013-01-06	0.07	0.11	0.07	0.04	0.09
2013-01-05	0.04	0.06	0.04	0.02	0.05
2013-01-04	0.04	0.05	0.03	0.02	0.04
2013-01-03	0.04	0.06	0.04	0.03	0.05
2013-01-02	0.03	0.04	0.03	0.02	0.04
2013-01-01	0.02	0.02	0.02	0.01	0.02
2012-12-31	0.01	0.01	0.01	0.01	0.02
2012-12-30	0.03	0.05	0.03	0.02	0.04
2012-12-29	0.04	0.06	0.04	0.03	0.05
2012-12-28	0.02	0.02	0.01	0.01	0.02
2012-12-27	0.02	0.02	0.01	0.01	0.02
2012-12-26	0.03	0.04	0.03	0.02	0.04
2012-12-25	0.03	0.04	0.02	0.02	0.03
2012-12-24	0.07	0.11	0.07	0.04	0.10
2012-12-23	0.06	0.08	0.05	0.04	0.07
2012-12-22	0.10	0.17	0.10	0.06	0.14
2012-12-21	0.08	0.12	0.07	0.05	0.10
2012-12-20	0.11	0.17	0.10	0.07	0.17
2012-12-19	0.10	0.16	0.09	0.06	0.14
2012-12-18	0.06	0.09	0.06	0.04	0.07
2012-12-17	0.06	0.08	0.05	0.04	0.07
2012-12-16	0.11	0.18	0.10	0.07	0.15
2012-12-15	0.09	0.14	0.08	0.05	0.12

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

**SUMP DATA:**

SUMP A: 12,925 Ft<sup>2</sup>

SUMP B: 8,307 Ft<sup>2</sup>

**SETTLING POND DATA:**

SETTLING POND A: 30,000 Ft<sup>2</sup> (F-02, MAP 3 – SSWMCP)

SETTLING POND B: 35,000 Ft<sup>2</sup> (F-01, MAP 3 – SSWMCP)

**PRODUCTION DATA:**

Tons mined and shipped to the plant at 2.5% moisture:

<u>MONTH</u>	<u>TONS</u>	<u>MOISTURE %</u>
January	19,432	2.5
February	13,132	2.5
March	14,308	2.5
Total	46,872	

Calculations for gallons of water shipped to the Plant:

$46,872 \times 0.025 = 1,171.8$  tons or 2,343,600 lbs

Gallons = 2,343,600 lbs  $\times$  7.481 gal/62.4lbs = 280,969 gallons of water

**Misc. Water Data:**

**List of Equivalents:**

**Volume Units**

One Gallon

= 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)