RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

MILL CREEK DOLOMITE, LLC.

P. O. Box 2668
Winnemucca, NV 89446
(775) 623-9117

9915 W. Amos Conley Road
Mill Creek, OK 74856
(580) 384-5271

6/22/2015

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, 1st Quarter Report 2015

Dear Mr. Wilkins;

As required under **Oklahoma Statue 82-1020.2 (E) (1) and Oklahoma Administrative Code 785:30-15,** Mill Creek Dolomite is respectively submitting the water report for the first quarter of calendar year 2015.

I have corrected the **Pit Rain Water sump surface area data** as per our discussion during our recent meeting at your offices. I have attached to this report a Google Earth picture of our pits showing an outline of the corrected surface area.

I have also corrected the **Sump B surface area for the Evaporation calculations.** I have increased the surface area based on 25% of the pit area always containing standing water.

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

Sincerely,

Bill Rogers

Bill Rogers
General Manager
Mill Creek Dolomite, LLC

Attachments: Quarterly Report, 1st Quarter 2015
Google Earth picture of corrected Pit Rain Water surface area

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

CONSUMPTIVE USE REPORT
1st QUARTER, 2015
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)	14,531,571
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	16,432,828
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	16432828
6	**Pit Ground Water Volume** (Line 1 minus Line 5)	-1,901,257
	DEFINED ELEMENTS OF CONSUMPTIVE USE	
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	303,566
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)	1,403,638
10	Volume of pit water groundwater that is used for other beneficial uses off the mine site	33,694
11	**Defined Elements of Consumptive Use of Pit Groundwater** (Add Lines 7 through 10)	1740898
	PIT GROUNDWATER BALANCE	
12	Line 6 minus Line 11	-3,642,155
13	**Groundwater Augmentation:** Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	
14	**Stream Augmentation:** Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pusuant to a Management Plan	
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)	
17	**Other Non-Consumptive Losses** 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	**Other Consumptive Use (adjusted) (Line 12 minusLine 18)**	-3,642,155
	TOTAL REPORTED CONSUMPTIVE USE OF PIT WATER	
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	-1,901,257

1,051,207
Square feet
2,163,342
Square feet
© 2015 Google
1095 ft
1995
Imagery Date: 2/8/2015

PIT WATER MONITORING DATA

MILL CREEK DOLOMITE, LLC

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

		PU-19 QA		PU-18 QB		PIT WATER PUMPED			PIT RAIN WATER					
DATE	WK	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
12/30/14	0	3343.0	0.0	928.0	7.0									
1/5/15	1	3362	19.0	929	1.0	48857	1714	50571	1.5	270418	2022995	131401	983010	3006005
1/12/15	2	3390	28.0	929	0.0	72000	0	72000	0.0	0	0	0	0	0
1/19/15	3	3412	22.0	1001	72.0	56571	123429	180000	0.5	90139	674332	43800	327670	1002002
1/26/15	4	3436	24.0	1050	49.0	61714	84000	145714	0.0	0	0	0	0	0
Monthly Totals			93.0		122.0	1853357	1620857	3474214	2.0	360557	2697327	175201	1310680	4008007
2/2/15	5	3468	32.0	1050	0.0	82286	0	82286	1.40	252390	1888129	122641	917476	2805605
2/9/15	6	3500	32.0	1055	5.0	82286	8571	90857	0.60	108167	809198	52560	393204	1202402
2/16/15	7	3530	30.0	1124	69.0	77143	118286	195429	0.5	90139	674332	43800	327670	1002002
2/23/15	8	3588	58.0	1124	0.0	149143	0	149143	0.0	0	0	0	0	0
Monthly Totals			152.0		74.0	2736000	888000	3624000	2.50	450696	3371659	219001	1638350	5010009
3/2/15	9	3592	4.0	1124	0.0	10286	0	10286	0.7	126195	944064	61320	458738	1402802
3/9/15	10	3636	44.0	1315	191.0	113143	327429	440571	1.0	180279	1348663	87601	655340	2004003
3/16/15	11	3675	39.0	1315	0.0	100286	0	100286	0.7	126195	944064	61320	458738	1402802
3/23/15	12	3724	49.0	1360	45.0	126000	77143	203143	0.6	108167	809198	52560	393204	1202402
3/30/15	13	3773	49.0	1406	46.0	126000	78857	204857	1	126195	944064	61320	458738	1402802
Monthly Totals			185.0		282.0	3686786	3746571	7433357	3.7	667030	4990055	324122	2424758	7414813
1st QUARTER TOTALS			**430.0**		**478.0**	**8276143**	**6255429**	**14531571**	**8.20**	**1478284**	**11059040**	**718325**	**5373788**	**16432828**

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

QUARRY DEWATER & CREEK MAKE-UP WATER

		PU-19 QA 65HP		PU-18 QB 35HP		PU-04 Big		PU-03 Little		PU-21 AG- Lime	
DATE	WK	Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	Meter	Hrs. Ran	Meter	Hrs.	Meter	Hrs.
1/5/15	1	3362.0	19.0	929.0	1.0	3426.0	8.0	1279.0	0.0	11027.0	0.0
1/12/15	2	3390.0	28.0	929.0	0.0	3448.0	22.0	1279.0	0.0	11027.0	0.0
1/19/15	3	3412.0	22.0	1001.0	72.0	3481.0	33.0	1279.0	0.0	11027.0	0.0
1/26/15	4	3436.0	24.0	1050.0	49.0	3516.0	35.0	1279.0	0.0	11027.0	0.0
1/30/15	5	3460.0	24.0	1050.0	0.0	3516.0	0.0	1279.0	0.0	11027.0	0.0
			117.0		122.0		98.0		0.0		0.0
2/2/15	5	3468.0	8.0	1050.0	0.0	3516.0	0.0	1279.0		11027.0	0.0
2/9/15	6	3500.0	32.0	1055.0	5.0	3524.0	8.0	1279.0	0.0	11027.0	0.0
2/16/15	7	3530.0	30.0	1124.0	69.0	3585.0	61.0	1279.0	0.0	11027.0	0.0
2/28/15	8	3588.0	58.0	1124.0	0.0	3678.0	93.0	1279.0	0.0	11027.0	0.0
			128.0		74.0		162.0		0.0		0.0
3/2/15	9	3592.0	4.0	1124.0	0.0	3678.0	0.0	1279.0	0.0	11027.0	0.0
3/9/15	10	3636.0	44.0	1315.0	191.0	3711.0	33.0	1279.0	0.0	11027.0	0.0
3/16/15	11	3675.0	39.0	1315.0	0.0	3745.0	34.0	1279.0	0.0	11027.0	0.0
3/31/15	12	3773.0	98.0	1406.0	91.0	3910.0	165.0	1279.0	0.0	11027.0	0.0
			185.0		282.0		232.0		0.0		0.0

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

MILL CREEK DOLOMITE WATER USEAGE LOG

1st QUARTER 2015

	1st QUARTER 2015					
		Water Truck Hours				Calculated
	DATE	RAINFALL	START	END	MILES	Loads
Thursday	1/1/2015					
Friday	1/2/2015					
Saturday	1/3/2015	1.5				
Sunday	1/4/2015					
Monday	1/5/2015					
Tuesday	1/6/2015		70488.4	70496.4	8	1
Wednesday	1/7/2015					
Thursday	1/8/2015					
Friday	1/9/2015					
Saturday	1/10/2015					
Sunday	1/11/2015					
Monday	1/12/2015					
Tuesday	1/13/2015					
Wednesday	1/14/2015					
Thursday	1/15/2015	0.5	70496.4	70498.1	1.7	1
Friday	1/16/2015					
Saturday	1/17/2015					
Sunday	1/18/2015					
Monday	1/19/2015					
Tuesday	1/20/2015					
Wednesday	1/21/2015					
Thursday	1/22/2015					
Friday	1/23/2015					
Saturday	1/24/2015					
Sunday	1/25/2015					
Monday	1/26/2015					
Tuesday	1/27/2015					
Wednesday	1/28/2015					
Thursday	1/29/2015					
Friday	1/30/2015					
Saturday	1/31/2015	1.4				
Sunday	2/1/2015					
Monday	2/2/2015					
Tuesday	2/3/2015					
Wednesday	2/4/2015					
Thursday	2/5/2015					
Friday	2/6/2015	0.6				
Saturday	2/7/2015					
Sunday	2/8/2015					
Monday	2/9/2015		70498.1	70542	43.9	5.5
Tuesday	2/10/2015					
Wednesday	2/11/2015					

Water Truck Summary		
	Loads	Gallons
	1	4,500
1st Quarter totals	7.5	33693.75

WELL			
		PU - 21	Ag Lime
DATE	WK	Meter Reading	HRS. RAN
1/6/15	1	10910	0.0
1/13/15	2	10910	0.0
1/20/15	3	10910	0.0
1/27/15	4	10910	0.0
2/3/15	5	10910	0.0
2/10/15	6	10910	0.0
2/17/15	7	10910	0.0
2/24/15	8	10910	0.0
3/3/15	9	10910	0.0
3/10/15	10	10910	0.0
3/17/15	11	10910	0.0
3/24/15	12	10910	0.0
1st Quarter Total			0.0
Total gallons (@ 476.47/hr)			0

1st QUARTER TOTAL GROUNDWATER USEAGE (gallons)	33694

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

1st Qtr Water trk hours page 2

Thursday	2/12/2015	0.5				
Friday	2/13/2015					
Saturday	2/14/2015					
Sunday	2/15/2015					
Monday	2/16/2015					
Tuesday	2/17/2015					
Wednesday	2/18/2015					
Thursday	2/19/2015					
Friday	2/20/2015					
Saturday	2/21/2015					
Sunday	2/22/2015					
Monday	2/23/2015					
Tuesday	2/24/2015					
Wednesday	2/25/2015					
Thursday	2/26/2015					
Friday	2/27/2015					
Saturday	2/28/2015	0.7				
Sunday	3/1/2015					
Monday	3/2/2015					
Tuesday	3/3/2015					
Wednesday	3/4/2015	0.6				
Thursday	3/5/2015					
Friday	3/6/2015					
Saturday	3/7/2015					
Sunday	3/8/2015	0.4				
Monday	3/9/2015					
Tuesday	3/10/2015					
Wednesday	3/11/2015					
Thursday	3/12/2015					
Friday	3/13/2015	0.7				
Saturday	3/14/2015					
Sunday	3/15/2015					
Monday	3/16/2015					
Tuesday	3/17/2015					
Wednesday	3/18/2015	0.2				
Thursday	3/19/2015					
Friday	3/20/2015					
Saturday	3/21/2015					
Sunday	3/22/2015	0.4				
Monday	3/23/2015					
Tuesday	3/24/2015					
Wednesday	3/25/2015	0.7				
Thursday	3/26/2015					
Friday	3/27/2015					
Saturday	3/28/2015					
Sunday	3/29/2015					
Monday	3/30/2015					
Tuesday	3/31/2015					
Totals		8.2			53.6	7.5

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

January Shipments

	Tons Shipped	Ac-ft of water shipped
Base Products	983	0.024
Coarse Aggregates	120,982	1.454
Fine Aggregates	13,133	0.417
	135,098	1.895

February Shipments

	Tons Shipped	Ac-ft of water shipped
Base Products	788	0.019
Coarse Aggregates	166,965	2.007
Fine Aggregates	5,983	0.190
	173,736	2.216

March Shipments

	Tons Shipped	Ac-ft of water shipped
Base Products	1,635	0.040
Coarse Aggregates	163,925	1.970
Fine Aggregates	42,543	1.352
	208,103	3.362

JANUARY	AMOUNT	COMMENTS	MONTH	YTD 2015	2014
1-Jan					
2-Jan					
3-Jan	1.5				
4-Jan					
5-Jan					
6-Jan					
7-Jan					
8-Jan					
9-Jan					
10-Jan					
11-Jan					
12-Jan					
13-Jan					
14-Jan					
15-Jan	0.5				
16-Jan					
17-Jan					
18-Jan					
19-Jan					
20-Jan					
21-Jan					
22-Jan					
23-Jan					
24-Jan					
25-Jan					
26-Jan					
27-Jan					
28-Jan					
29-Jan					
30-Jan					
31-Jan	1.4				
			3.4	3.4	0.4

FEBUARY	AMOUNT	COMMENTS	MONTH	YTD 2015	2014
1-Feb					
2-Feb					
3-Feb					
4-Feb					
5-Feb					
6-Feb	0.6				
7-Feb					
8-Feb					
9-Feb					
10-Feb					
11-Feb					
12-Feb	0.5	ICE			
13-Feb					
14-Feb					
15-Feb					
16-Feb					
17-Feb					

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

18-Feb		
19-Feb		
20-Feb		
21-Feb		
22-Feb		
23-Feb		
24-Feb		
25-Feb		
26-Feb		
27-Feb		
28-Feb	0.7	SNOW AND ICE
29-Feb		

AMOUNT	COMMENTS	1.8 MONTH	5.2 YTD 2015	0.4 2014

MARCH		
1-Mar		
2-Mar		
3-Mar		
4-Mar	0.6	4" snow
5-Mar		
6-Mar		
7-Mar		
8-Mar	0.4	
9-Mar		
10-Mar		
11-Mar		
12-Mar		
13-Mar	0.7	
14-Mar		
15-Mar		
16-Mar		
17-Mar		
18-Mar	0.2	
19-Mar		
20-Mar		
21-Mar		
22-Mar	0.4	
23-Mar		
24-Mar		
25-Mar	0.7	
26-Mar		
27-Mar		
28-Mar		
29-Mar		
30-Mar		
31-Mar		

AMOUNT	COMMENTS	3 MONTH	8.2 YTD 2015	2.1 2014

MILL CREEK DOLOMITE, LLC

PIT WATER MONITORING DATA

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:

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

MONTH	TONS	MOISTURE %
January	22,951	2.0
February	22,379	2.0
March	14,128	2.5
Total	59,458	

Calculations for gallons of water shipped to the Plant:

22,951 x .020 = 459 tons or 918,000 lbs
22,379 x .020 = 447.6 tons or 895,200 lbs
14,128 x .025 = 353.2 tons or 706,400 lbs
Total lbs. = 2,519,600 lbs
Gallons = 2,519,600 lbs x 1 gal/8.3 lbs = 303,566 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)

MILL CREEK DOLOMITE 2015 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	36,925	0	22,951	19,585	15,191	11,574	1,180	15,226
February	0	0	22,379	18,828	15,620	12,364	1,987	14,966
March	35,201	0	14,128	16,663	16,868	12,603	421	16,412
April								
May								
June								
July								
August								
September								
October								
November								
December								
Totals	**72,126**	**0**	**59,458**	**55,076**	**47,679**	**36,541**	**3,588**	**46,604**
1st quarter	72,126	0	59,458	55,076	47,679	36,541	3,588	46,604
2nd quarter	0	0	0	0	0	0	0	0
3rd quarter	0	0	0	0	0	0	0	0
4th quarter	0	0	0	0	0	0	0	0

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

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

January, 2015											
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)
1/1/2015	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
1/2/2015	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
1/3/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
1/4/2015	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
1/5/2015	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
1/6/2015	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
1/7/2015	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
1/8/2015	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
1/9/2015	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
1/10/2015	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
1/11/2015	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
1/12/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
1/13/2015	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
1/14/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
1/15/2015	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
1/16/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
1/17/2015	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
1/18/2015	0.19	0.133	143.25	1071.67	2912.72	21790.07	332.50	2487.43	387.92	2902.00	28251.18
1/19/2015	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
1/20/2015	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
1/21/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
1/22/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
1/23/2015	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
1/24/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
1/25/2015	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
1/26/2015	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
1/27/2015	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
1/28/2015	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
1/29/2015	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
1/30/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
1/31/2015	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
Monthly Totals			**2058.31**	**15398.19**	**41851.22**	**313088.97**	**4777.50**	**35740.48**	**5573.75**	**41697.22**	**405924.86**

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

February, 2015

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)
2/1/2015	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
2/2/2015	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
2/3/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
2/4/2015	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2/5/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
2/6/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
2/7/2015	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
2/8/2015	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
2/9/2015	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
2/10/2015	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
2/11/2015	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
2/12/2015	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
2/13/2015	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
2/14/2015	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
2/15/2015	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
2/16/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
2/17/2015	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
2/18/2015	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
2/19/2015	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
2/20/2015	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2/21/2015	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
2/22/2015	0.06	0.042	45.24	338.42	919.81	6881.08	105.00	785.51	122.50	916.42	8921.43
2/23/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
2/24/2015	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
2/25/2015	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
2/26/2015	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
2/27/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
2/28/2015	0.02	0.014	15.08	112.81	306.60	2293.69	35.00	261.84	40.83	305.47	2973.81
Monthly Totals			**2028.15**	**15172.57**	**41238.01**	**308501.58**	**4707.50**	**35216.81**	**5492.08**	**41086.28**	**399977.24**

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

March, 2015											
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)
3/1/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
3/2/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
3/3/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
3/4/2015	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
3/5/2015	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
3/6/2015	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
3/7/2015	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
3/8/2015	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
3/9/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
3/10/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
3/11/2015	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
3/12/2015	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
3/13/2015	0.04	0.028	30.16	225.61	613.20	4587.38	70.00	523.67	81.67	610.95	5947.62
3/14/2015	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
3/15/2015	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
3/16/2015	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
3/17/2015	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
3/18/2015	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
3/19/2015	0.03	0.021	22.62	169.21	459.90	3440.54	52.50	392.75	61.25	458.21	4460.71
3/20/2015	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
3/21/2015	0.08	0.056	60.32	451.23	1226.41	9174.77	140.00	1047.34	163.33	1221.90	11895.23
3/22/2015	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
3/23/2015	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
3/24/2015	0.27	0.189	203.57	1522.90	4139.13	30964.84	472.50	3534.77	551.25	4123.90	40146.41
3/25/2015	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
3/26/2015	0.22	0.154	165.87	1240.88	3372.63	25230.61	385.00	2880.19	449.17	3360.22	32711.89
3/27/2015	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
3/28/2015	0.22	0.154	165.87	1240.88	3372.63	25230.61	385.00	2880.19	449.17	3360.22	32711.89
3/29/2015	0.30	0.21	226.19	1692.11	4599.04	34405.38	525.00	3927.53	612.50	4582.11	44607.13
3/30/2015	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
3/31/2015	0.21	0.147	158.33	1184.48	3219.32	24083.77	367.50	2749.27	428.75	3207.48	31224.99
Monthly Totals			**3030.91**	**22674.26**	**61627.07**	**461032.10**	**7035.00**	**52628.84**	**8207.50**	**61400.31**	**597735.50**
Quarterly Total			7117	53245	144716	1082623	16520	123586	19273	144184	**1403638**

2015-01-20	0.12	0.19	0.11	0.07	0.16
2015-01-19	0.06	0.09	0.06	0.04	0.08
2015-01-18	0.13	0.22	0.13	0.08	0.19
2015-01-17	0.11	0.17	0.10	0.07	0.15
2015-01-16	0.08	0.12	0.07	0.05	0.10
2015-01-15	0.06	0.09	0.06	0.04	0.08
2015-01-14	0.03	0.04	0.03	0.02	0.04
2015-01-13	0.04	0.06	0.04	0.03	0.05
2015-01-12	0.03	0.04	0.02	0.02	0.03
2015-01-11	0.01	0.01	0.01	0.01	0.02
2015-01-10	0.05	0.08	0.05	0.03	0.07
2015-01-09	0.06	0.09	0.05	0.03	0.08
2015-01-08	0.05	0.08	0.05	0.03	0.07
2015-01-07	0.06	0.09	0.05	0.03	0.09
2015-01-06	0.06	0.10	0.06	0.04	0.08
2015-01-05	0.05	0.08	0.05	0.03	0.07
2015-01-04	0.05	0.07	0.04	0.03	0.06
2015-01-03	0.02	0.03	0.02	0.01	0.03
2015-01-02	0.01	0.01	0.01	0.01	0.02
2015-01-01	0.02	0.02	0.02	0.01	0.02
2014-12-31	0.03	0.05	0.03	0.02	0.05
2014-12-30	0.05	0.07	0.04	0.03	0.06
2014-12-29	0.05	0.07	0.04	0.03	0.06
2014-12-28	0.04	0.05	0.04	0.02	0.05
2014-12-27	0.04	0.06	0.04	0.03	0.06
2014-12-26	0.03	0.03	0.02	0.02	0.03
2014-12-25	0.11	0.17	0.10	0.07	0.15
2014-12-24	0.06	0.09	0.05	0.04	0.07
2014-12-23	0.08	0.12	0.07	0.05	0.10
2014-12-22	0.06	0.09	0.06	0.04	0.08
2014-12-21	0.02	0.03	0.02	0.01	0.03
2014-12-20	0.02	0.03	0.02	0.01	0.03
2014-12-19	0.02	0.02	0.02	0.01	0.02
2014-12-18	0.01	0.01	0.01	0.01	0.02
2014-12-17	0.01	0.01	0.01	0.01	0.02
2014-12-16	0.06	0.09	0.06	0.04	0.08
2014-12-15	0.08	0.13	0.08	0.05	0.11
2014-12-14	0.02	0.03	0.02	0.01	0.03
2014-12-13	0.03	0.03	0.03	0.02	0.03
2014-12-12	0.02	0.02	0.01	0.01	0.02
2014-12-11	0.04	0.05	0.03	0.02	0.04
2014-12-10	0.05	0.08	0.05	0.03	0.06
2014-12-09	0.05	0.07	0.05	0.03	0.06
2014-12-08	0.04	0.05	0.04	0.02	0.05
2014-12-07	0.02	0.02	0.02	0.01	0.02
2014-12-06	0.03	0.04	0.03	0.02	0.04
2014-12-05	0.05	0.06	0.04	0.03	0.06
2014-12-04	0.02	0.02	0.02	0.01	0.02
2014-12-03	0.02	0.02	0.02	0.01	0.02

Pan Evaporation

1st Qtr

2015-03-10	0.04	0.04	0.03	0.02	0.04
2015-03-09	0.02	0.03	0.02	0.01	0.03
2015-03-08	0.08	0.11	0.08	0.05	0.11
2015-03-07	0.11	0.15	0.10	0.07	0.14
2015-03-06	0.09	0.11	0.08	0.05	0.11
2015-03-05	0.07	0.09	0.06	0.04	0.09
2015-03-04	0.04	0.06	0.04	0.02	0.05
2015-03-03	0.02	0.02	0.02	0.01	0.03
2015-03-02	0.03	0.03	0.02	0.02	0.03
2015-03-01	0.02	0.03	0.02	0.01	0.03
2015-02-28	0.02	0.02	0.02	0.01	0.02
2015-02-27	0.03	0.05	0.03	0.02	0.04
2015-02-26	0.07	0.11	0.07	0.05	0.11
2015-02-25	0.07	0.09	0.07	0.04	0.09
2015-02-24	0.04	0.05	0.04	0.02	0.05
2015-02-23	0.03	0.04	0.02	0.02	0.04
2015-02-22	0.05	0.07	0.04	0.03	0.06
2015-02-21	0.09	0.12	0.08	0.05	0.12
2015-02-20	0.04	0.06	0.04	0.03	0.05
2015-02-19	0.10	0.14	0.09	0.06	0.14
2015-02-18	0.07	0.09	0.06	0.04	0.09
2015-02-17	0.07	0.10	0.07	0.04	0.09
2015-02-16	0.03	0.04	0.03	0.02	0.04
2015-02-15	0.07	0.10	0.07	0.04	0.10
2015-02-14	0.14	0.21	0.13	0.09	0.18
2015-02-13	0.11	0.17	0.11	0.07	0.15
2015-02-12	0.10	0.15	0.09	0.06	0.14
2015-02-11	0.11	0.17	0.10	0.07	0.16
2015-02-10	0.11	0.16	0.10	0.07	0.15
2015-02-09	0.13	0.20	0.13	0.08	0.18
2015-02-08	0.11	0.14	0.10	0.07	0.13
2015-02-07	0.11	0.15	0.10	0.07	0.14
2015-02-06	0.08	0.11	0.07	0.05	0.10
2015-02-05	0.03	0.05	0.03	0.02	0.04
2015-02-04	0.04	0.05	0.03	0.02	0.05
2015-02-03	0.08	0.11	0.07	0.05	0.10
2015-02-02	0.05	0.07	0.05	0.03	0.06
2015-02-01	0.05	0.07	0.04	0.03	0.07
2015-01-31	0.06	0.09	0.05	0.04	0.07
2015-01-30	0.07	0.11	0.07	0.05	0.10
2015-01-29	0.12	0.18	0.11	0.07	0.17
2015-01-28	0.14	0.21	0.13	0.08	0.18
2015-01-27	0.10	0.14	0.09	0.06	0.12
2015-01-26	0.10	0.16	0.10	0.06	0.13
2015-01-25	0.12	0.18	0.11	0.07	0.17
2015-01-24	0.08	0.12	0.07	0.05	0.10
2015-01-23	0.06	0.08	0.05	0.04	0.07
2015-01-22	0.02	0.03	0.02	0.01	0.03
2015-01-21	0.08	0.12	0.07	0.05	0.10

Pan Evaporation

1st Pa

RECEIVED
JUN 29 2015
Oklahoma Water Resources Board

2015-04-28	0.07	0.08	0.06	0.04	0.08
2015-04-27	0.06	0.08	0.06	0.04	0.08
2015-04-26	0.17	0.20	0.15	0.10	0.21
2015-04-25	0.21	0.26	0.20	0.13	0.27
2015-04-24	0.03	0.04	0.03	0.02	0.04
2015-04-23	0.03	0.04	0.03	0.02	0.04
2015-04-22	0.14	0.18	0.13	0.09	0.17
2015-04-21	0.15	0.18	0.14	0.09	0.19
2015-04-20	0.18	0.23	0.17	0.11	0.23
2015-04-19	0.13	0.17	0.12	0.08	0.17
2015-04-18	0.16	0.19	0.15	0.10	0.20
2015-04-17	0.11	0.13	0.10	0.07	0.13
2015-04-16	0.12	0.14	0.11	0.07	0.14
2015-04-15	0.13	0.15	0.12	0.08	0.16
2015-04-14	0.05	0.06	0.04	0.03	0.06
2015-04-13	0.08	0.11	0.07	0.05	0.11
2015-04-12	0.14	0.19	0.13	0.09	0.19
2015-04-11	0.18	0.23	0.16	0.11	0.23
2015-04-10	0.19	0.26	0.17	0.12	0.26
2015-04-09	0.21	0.30	0.20	0.13	0.30
2015-04-08	0.11	0.15	0.10	0.07	0.15
2015-04-07	0.14	0.19	0.13	0.09	0.18
2015-04-06	0.13	0.18	0.12	0.08	0.17
2015-04-05	0.05	0.06	0.04	0.03	0.06
2015-04-04	0.18	0.25	0.17	0.11	0.25
2015-04-03	0.18	0.25	0.17	0.11	0.27
2015-04-02	0.19	0.26	0.18	0.12	0.27
2015-04-01	0.12	0.17	0.11	0.07	0.16
2015-03-31	0.17	0.21	0.16	0.10	0.21
2015-03-30	0.18	0.24	0.17	0.11	0.23
2015-03-29	0.22	0.31	0.21	0.14	0.30
2015-03-28	0.17	0.22	0.16	0.10	0.22
2015-03-27	0.11	0.15	0.10	0.07	0.14
2015-03-26	0.15	0.22	0.14	0.09	0.22
2015-03-25	0.18	0.24	0.16	0.11	0.24
2015-03-24	0.20	0.28	0.19	0.12	0.27
2015-03-23	0.14	0.18	0.13	0.09	0.18
2015-03-22	0.10	0.11	0.09	0.06	0.12
2015-03-21	0.07	0.08	0.06	0.04	0.08
2015-03-20	0.10	0.13	0.09	0.06	0.12
2015-03-19	0.03	0.03	0.02	0.02	0.03
2015-03-18	0.04	0.05	0.04	0.03	0.05
2015-03-17	0.16	0.22	0.14	0.10	0.20
2015-03-16	0.14	0.18	0.13	0.09	0.17
2015-03-15	0.11	0.14	0.10	0.07	0.13
2015-03-14	0.08	0.11	0.07	0.05	0.11
2015-03-13	0.03	0.04	0.03	0.02	0.04
2015-03-12	0.11	0.14	0.10	0.07	0.14
2015-03-11	0.13	0.17	0.12	0.08	0.16

Pan Evaporation 1st Qtr