MILL CREEK DOLOMITE, LLC.

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

07/20/16

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JUL 25 2016
Oklahoma Water Resources Board

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 2016

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 Second 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

2nd 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)	36,045,943
2	Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	39,458,827
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	39,458,827
6	**Pit Ground Water Volume** (Line 1 minus Line 5)	-3,412,885
	DEFINED ELEMENTS OF CONSUMPTIVE USE	
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	307,643
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)	2,872,699
10	Volume of pit water groundwater that is used for other beneficial uses off the mine site	0
11	**Defined Elements of Consumptive Use of Pit Groundwater** (Add Lines 7 through 10)	3,180,342
	PIT GROUNDWATER BALANCE	
12	Line 6 minus Line 11	-6,593,227
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)**	**-6,593,227**
	TOTAL REPORTED CONSUMPTIVE USE OF PIT WATER	
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	**-3,412,885**

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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

		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
4/8/16	14	5583	29.0	7218	72.0	74571	123429	198000	0.2	27042	202300	13140	98301	300601
4/15/16	15	5637	54.0	7320	102.0	138857	174857	313714	0.1	12619	94406	6132	45874	140280
4/22/16	16	5728	91.0	7473	153.2	234000	262667	496667	3.5	632778	4733809	307478	2300243	7034052
4/29/16	17	5784	56.0	7586	112.8	144000	193333	337333	1.3	239770	1793722	116509	871602	2665325
Monthly Totals			230.0		440.0	4435714	5657143	10092857	5.06	912209	6824237	443259	3316020	10140257
5/6/16	18	5830	46.0	7761	175.0	118286	300000	418286	3.2	576891	4315723	280322	2097088	6412811
5/13/16	19	5884	54.0	7918	157.0	138857	269143	408000	0.2	36056	269733	17520	131068	400801
5/20/16	20	5925	41.0	8084	166.0	105429	284571	390000	1.1	194701	1456557	94609	707767	2164324
5/27/16	21	5967	42.0	8238	154.0	108000	264000	372000	1.8	315487	2360161	153301	1146845	3507006
6/3/16	22	6059	92.0	8425	187.0	236571	320571	557143	3.0	533624	3992044	259298	1939806	5931850
Monthly Totals			275.0		839.0	4384286	8,917,371	13,301,657	9.19	1,123,135	8,402,173	545,752	4,082,768	12,484,941
6/10/16	23	6197	138.0	8589	164.0	354857	281143	636000	4.9	883365	6608451	429243	3211166	9819617
6/17/16	24	6259	62.0	8786	197.0	159429	337714	497143	2.5	450696	3371659	219001	1638350	5010009
6/24/16	25	6290	31.0	8972	186.0	79714	318857	398571	0.8	144223	1078931	70080	524272	1603203
7/1/16	26	6315	25.0	9025	53.0	64286	90857	155143	0.2	36056	269733	17520	131068	400801
Monthly Totals			256.0		600.0	4937143	7714286	12651429	8.4	1514339	11328773	735845	5504856	16833629
2nd QUARTER TOTALS			**761.0**		**1879.0**	**13,757,143**	**22,288,800**	**36,045,943**	**22.65**	**3549684**	**26555183**	**1724855**	**12903644**	**39,458,827**

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MILL CREEK DOLOMITE, LLC
PIT WATER MONITORING DATA
2nd 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
April	17,108	2.5
May	18,284	2.5
June	19,596	2.0
	54,988	

Calculations for gallons of water shipped to plant:

	Tons		Moisture		Tons H2O	Lbs H2O
October	17108	X	0.025	=	428	855,400
November	18284	X	0.025	=	457	914,200
December	19596	X	0.020	=	392	783,840
						2,553,440

Total Lbs	2,553,440					
Gallons	2,553,440	/	8.3	=	307,643	Gallons of water

Misc. Water Data:
List of Equivalents:
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)

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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

Apr-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)
04/01/16	0.22	0.154	165.87	1240.88	3372.63	25230.61	385.00	2880.19	449.17	3360.22	32711.89
04/02/16	0.22	0.154	165.87	1240.88	3372.63	25230.61	385.00	2880.19	449.17	3360.22	32711.89
04/03/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
04/04/16	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
04/05/16	0.36	0.252	271.43	2030.53	5518.84	41286.46	630.00	4713.03	735.00	5498.54	53528.55
04/06/16	0.38	0.266	286.50	2143.34	5825.44	43580.15	665.00	4974.87	775.83	5804.01	56502.36
04/07/16	0.32	0.224	241.27	1804.92	4905.64	36699.07	560.00	4189.36	653.33	4887.59	47580.94
04/08/16	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
04/09/16	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
04/10/16	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
04/11/16	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
04/12/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
04/13/16	0.10	0.07	75.40	564.04	1533.01	11468.46	175.00	1309.18	204.17	1527.37	14869.04
04/14/16	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
04/15/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
04/16/16	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
04/17/16	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
04/18/16	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
04/19/16	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
04/20/16	0.15	0.105	113.09	846.05	2299.52	17202.69	262.50	1963.76	306.25	2291.06	22303.56
04/21/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
04/22/16	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
04/23/16	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
04/24/16	0.27	0.189	203.57	1522.90	4139.13	30964.84	472.50	3534.77	551.25	4123.90	40146.41
04/25/16	0.26	0.182	196.03	1466.49	3985.83	29818.00	455.00	3403.86	530.83	3971.16	38659.51
04/26/16	0.21	0.147	158.33	1184.48	3219.32	24083.77	367.50	2749.27	428.75	3207.48	31224.99
04/27/16	0.22	0.154	165.87	1240.88	3372.63	25230.61	385.00	2880.19	449.17	3360.22	32711.89
04/28/16	0.26	0.182	196.03	1466.49	3985.83	29818.00	455.00	3403.86	530.83	3971.16	38659.51
04/29/16	0.13	0.091	98.01	733.25	1992.92	14909.00	227.50	1701.93	265.42	1985.58	19329.76
04/30/16	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
Monthly Total			4,493.59	33,616.56	91,367.50	683,520.23	10,430.00	78,026.83	12,168.33	91,031.30	886,194.92

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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

May-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)
05/01/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
05/02/16	0.12	0.084	90.48	676.84	1839.61	13762.15	210.00	1571.01	245.00	1832.85	17842.85
05/03/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
05/04/16	0.28	0.196	211.11	1579.30	4292.43	32111.69	490.00	3665.69	571.67	4276.64	41633.32
05/05/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
05/06/16	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
05/07/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
05/08/16	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
05/09/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
05/10/16	0.26	0.182	196.03	1466.49	3985.83	29818.00	455.00	3403.86	530.83	3971.16	38659.51
05/11/16	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
05/12/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
05/13/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
05/14/16	0.23	0.161	173.41	1297.28	3525.93	26377.46	402.50	3011.10	469.58	3512.95	34198.80
05/15/16	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
05/16/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
05/17/16	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
05/18/16	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
05/19/16	0.07	0.049	52.78	394.83	1073.11	8027.92	122.50	916.42	142.92	1069.16	10408.33
05/20/16	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
05/21/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
05/22/16	0.20	0.14	150.79	1128.07	3066.02	22936.92	350.00	2618.35	408.33	3054.74	29738.08
05/23/16	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
05/24/16	0.19	0.133	143.25	1071.67	2912.72	21790.07	332.50	2487.43	387.92	2902.00	28251.18
05/25/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
05/26/16	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
05/27/16	0.17	0.119	128.17	958.86	2606.12	19496.38	297.50	2225.60	347.08	2596.53	25277.37
05/28/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
05/29/16	0.21	0.147	158.33	1184.48	3219.32	24083.77	367.50	2749.27	428.75	3207.48	31224.99
05/30/16	0.21	0.147	158.33	1184.48	3219.32	24083.77	367.50	2749.27	428.75	3207.48	31224.99
05/31/16	0.09	0.063	67.86	507.63	1379.71	10321.61	157.50	1178.26	183.75	1374.63	13382.14
Monthly Total			**4,305.10**	**32,206.47**	**87,534.97**	**654,849.08**	**9,992.50**	**74,753.89**	**11,657.92**	**87,212.87**	**849,022.32**

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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

Jun-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)
06/01/16	0.14	0.098	105.55	789.65	2146.22	16055.84	245.00	1832.85	285.83	2138.32	20816.66
06/02/16	0.05	0.035	37.70	282.02	766.51	5734.23	87.50	654.59	102.08	763.69	7434.52
06/03/16	0.16	0.112	120.63	902.46	2452.82	18349.54	280.00	2094.68	326.67	2443.79	23790.47
06/04/16	0.21	0.147	158.33	1184.48	3219.32	24083.77	367.50	2749.27	428.75	3207.48	31224.99
06/05/16	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
06/06/16	0.28	0.196	211.11	1579.30	4292.43	32111.69	490.00	3665.69	571.67	4276.64	41633.32
06/07/16	0.26	0.182	196.03	1466.49	3985.83	29818.00	455.00	3403.86	530.83	3971.16	38659.51
06/08/16	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
06/09/16	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
06/10/16	0.31	0.217	233.73	1748.51	4752.34	35552.23	542.50	4058.44	632.92	4734.85	46094.03
06/11/16	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
06/12/16	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
06/13/16	0.11	0.077	82.94	620.44	1686.31	12615.31	192.50	1440.09	224.58	1680.11	16355.95
06/14/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
06/15/16	0.30	0.21	226.19	1692.11	4599.04	34405.38	525.00	3927.53	612.50	4582.11	44607.13
06/16/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
06/17/16	0.31	0.217	233.73	1748.51	4752.34	35552.23	542.50	4058.44	632.92	4734.85	46094.03
06/18/16	0.27	0.189	203.57	1522.90	4139.13	30964.84	472.50	3534.77	551.25	4123.90	40146.41
06/19/16	0.24	0.168	180.95	1353.69	3679.23	27524.30	420.00	3142.02	490.00	3665.69	35685.70
06/20/16	0.25	0.175	188.49	1410.09	3832.53	28671.15	437.50	3272.94	510.42	3818.43	37172.61
06/21/16	0.30	0.21	226.19	1692.11	4599.04	34405.38	525.00	3927.53	612.50	4582.11	44607.13
06/22/16	0.36	0.252	271.43	2030.53	5518.84	41286.46	630.00	4713.03	735.00	5498.54	53528.55
06/23/16	0.35	0.245	263.89	1974.13	5365.54	40139.61	612.50	4582.11	714.58	5345.80	52041.65
06/24/16	0.34	0.238	256.35	1917.72	5212.24	38992.76	595.00	4451.20	694.17	5193.06	50554.74
06/25/16	0.33	0.231	248.81	1861.32	5058.94	37845.92	577.50	4320.28	673.75	5040.32	49067.84
06/26/16	0.32	0.224	241.27	1804.92	4905.64	36699.07	560.00	4189.36	653.33	4887.59	47580.94
06/27/16	0.18	0.126	135.71	1015.27	2759.42	20643.23	315.00	2356.52	367.50	2749.27	26764.28
06/28/16	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
06/29/16	0.29	0.203	218.65	1635.71	4445.73	33258.53	507.50	3796.61	592.08	4429.38	43120.22
06/30/16	0.28	0.196	211.11	1579.30	4292.43	32111.69	490.00	3665.69	571.67	4276.64	41633.32
Monthly Total			5,767.78	43,148.77	117,275.39	877,337.21	13,387.50	100,151.89	15,618.75	116,843.87	1,137,481.74
Quarterly Total			14,566.48	108,971.80	296,177.85	2,215,706.53	33,810.00	252,932.61	39,445.00	295,088.05	2,872,698.98

Mesonet
Seasonal Single Site ET Table
Tishomingo
2nd Quarter 2016

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Date	Reference ET, Short [in]	Reference ET, Tall [in]	Cool Season Grass ET [in]	Warm Season Grass ET [in]	Pan Evaporation [in]
2016-06-30	0.23	0.27	0.22	0.14	0.28
2016-06-29	0.24	0.27	0.22	0.15	0.29
2016-06-28	0.24	0.28	0.22	0.15	0.29
2016-06-27	0.15	0.17	0.14	0.09	0.18
2016-06-26	0.25	0.31	0.23	0.16	0.32
2016-06-25	0.25	0.32	0.24	0.16	0.33
2016-06-24	0.27	0.32	0.25	0.16	0.34
2016-06-23	0.27	0.33	0.25	0.17	0.35
2016-06-22	0.28	0.35	0.26	0.17	0.36
2016-06-21	0.24	0.28	0.23	0.15	0.30
2016-06-20	0.21	0.23	0.19	0.13	0.25
2016-06-19	0.20	0.23	0.18	0.12	0.24
2016-06-18	0.22	0.25	0.20	0.14	0.27
2016-06-17	0.25	0.29	0.23	0.16	0.31
2016-06-16	0.21	0.24	0.19	0.13	0.25
2016-06-15	0.24	0.28	0.22	0.15	0.30
2016-06-14	0.20	0.23	0.19	0.12	0.25
2016-06-13	0.09	0.10	0.09	0.06	0.11
2016-06-12	0.10	0.11	0.09	0.06	0.11
2016-06-11	0.20	0.23	0.18	0.12	0.24
2016-06-10	0.24	0.29	0.23	0.15	0.31
2016-06-09	0.23	0.28	0.22	0.14	0.29
2016-06-08	0.24	0.27	0.22	0.15	0.29
2016-06-07	0.21	0.23	0.20	0.13	0.26
2016-06-06	0.23	0.26	0.21	0.14	0.28
2016-06-05	0.23	0.28	0.21	0.14	0.29
2016-06-04	0.17	0.19	0.16	0.11	0.21
2016-06-03	0.13	0.15	0.12	0.08	0.16
2016-06-02	0.04	0.04	0.04	0.02	0.05
2016-06-01	0.12	0.13	0.11	0.07	0.14
2016-05-31	0.08	0.09	0.07	0.05	0.09
2016-05-30	0.17	0.20	0.16	0.11	0.21
2016-05-29	0.17	0.20	0.16	0.11	0.21
2016-05-28	0.20	0.23	0.19	0.13	0.25
2016-05-27	0.13	0.16	0.13	0.08	0.17
2016-05-26	0.09	0.11	0.08	0.06	0.12
2016-05-25	0.12	0.15	0.11	0.08	0.16
2016-05-24	0.15	0.17	0.14	0.09	0.19
2016-05-23	0.09	0.11	0.08	0.06	0.11
2016-05-22	0.16	0.20	0.15	0.10	0.20
2016-05-21	0.17	0.19	0.16	0.10	0.20
2016-05-20	0.15	0.16	0.14	0.09	0.17
2016-05-19	0.06	0.07	0.05	0.04	0.07
2016-05-18	0.07	0.09	0.06	0.04	0.09
2016-05-17	0.07	0.08	0.06	0.04	0.09
2016-05-16	0.13	0.16	0.12	0.08	0.16
2016-05-15	0.14	0.18	0.13	0.08	0.18

Mesonet
Seasonal Single Site ET Table
Tishomingo
2nd Quarter 2016

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Date	Reference ET, Short [in]	Reference ET, Tall [in]	Cool Season Grass ET [in]	Warm Season Grass ET [in]	Pan Evaporation [in]
2016-05-14	0.17	0.22	0.16	0.11	0.23
2016-05-13	0.20	0.24	0.19	0.12	0.25
2016-05-12	0.19	0.24	0.18	0.12	0.25
2016-05-11	0.18	0.21	0.17	0.11	0.23
2016-05-10	0.21	0.24	0.19	0.13	0.26
2016-05-09	0.13	0.16	0.12	0.08	0.16
2016-05-08	0.09	0.11	0.08	0.05	0.11
2016-05-07	0.20	0.25	0.18	0.12	0.25
2016-05-06	0.19	0.22	0.18	0.12	0.23
2016-05-05	0.20	0.24	0.18	0.12	0.25
2016-05-04	0.22	0.28	0.20	0.14	0.28
2016-05-03	0.16	0.19	0.15	0.10	0.20
2016-05-02	0.09	0.11	0.09	0.06	0.12
2016-05-01	0.19	0.24	0.17	0.12	0.25
2016-04-30	0.14	0.16	0.13	0.09	0.17
2016-04-29	0.10	0.13	0.10	0.07	0.13
2016-04-28	0.20	0.25	0.19	0.12	0.26
2016-04-27	0.18	0.21	0.17	0.11	0.22
2016-04-26	0.15	0.19	0.14	0.09	0.21
2016-04-25	0.19	0.25	0.18	0.12	0.26
2016-04-24	0.20	0.25	0.18	0.12	0.27
2016-04-23	0.19	0.23	0.18	0.12	0.24
2016-04-22	0.19	0.23	0.18	0.12	0.24
2016-04-21	0.17	0.20	0.15	0.10	0.20
2016-04-20	0.13	0.14	0.12	0.08	0.15
2016-04-19	0.10	0.12	0.09	0.06	0.12
2016-04-18	0.06	0.06	0.06	0.04	0.07
2016-04-17	0.04	0.04	0.03	0.02	0.05
2016-04-16	0.12	0.15	0.11	0.07	0.15
2016-04-15	0.13	0.16	0.12	0.08	0.16
2016-04-14	0.13	0.15	0.12	0.08	0.15
2016-04-13	0.08	0.09	0.07	0.05	0.10
2016-04-12	0.12	0.16	0.12	0.08	0.16
2016-04-11	0.08	0.10	0.07	0.05	0.10
2016-04-10	0.13	0.18	0.12	0.08	0.16
2016-04-09	0.08	0.10	0.07	0.05	0.09
2016-04-08	0.18	0.23	0.16	0.11	0.24
2016-04-07	0.23	0.32	0.21	0.14	0.32
2016-04-06	0.24	0.36	0.23	0.15	0.38
2016-04-05	0.25	0.36	0.23	0.16	0.36
2016-04-04	0.22	0.29	0.20	0.13	0.29
2016-04-03	0.19	0.26	0.18	0.12	0.25
2016-04-04	0.16	0.22	0.15	0.10	0.22
2016-04-01	0.16	0.23	0.15	0.10	0.22

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MILL CREEK DOLOMITE WATER USEAGE LOG

4th QUARTER 2015

	2nd QUARTER 2016					
			Water Truck Miles			Calculated
	DATE	RAINFALL	START	END	MILES	Loads
Wednesday	4/1/2016		72875	72875	0	0
Thursday	4/2/2016		72875	72875	0	0
Friday	4/3/2016		72875	72875	0	0
Saturday	4/4/2016		72875	72875	0	0
Sunday	4/5/2016		72875	72875	0	0
Monday	4/6/2016		72875	72875	0	0
Tuesday	4/7/2016		72875	72875	0	0
Wednesday	4/8/2016		72875	72875	0	0
Thursday	4/9/2016		72875	72875	0	0
Friday	4/10/2016		72875	72875	0	0
Saturday	4/11/2016		72875	72875	0	0
Sunday	4/12/2016		72875	72875	0	0
Monday	4/13/2016		72875	72875	0	0
Tuesday	4/14/2016		72875	72875	0	0
Wednesday	4/15/2016		72875	72875	0	0
Thursday	4/16/2016		72875	72875	0	0
Friday	4/17/2016		72875	72875	0	0
Saturday	4/18/2016		72875	72875	0	0
Sunday	4/19/2016		72875	72875	0	0
Monday	4/20/2016		72875	72875	0	0
Tuesday	4/21/2016		72875	72875	0	0
Wednesday	4/22/2016		72875	72875	0	0
Thursday	4/23/2016		72875	72875	0	0
Friday	4/24/2016		72875	72875	0	0
Saturday	4/25/2016		72875	72875	0	0
Sunday	4/26/2016		72875	72875	0	0
Monday	4/27/2016		72875	72875	0	0
Tuesday	4/28/2016		72875	72875	0	0
Wednesday	4/29/2016		72875	72875	0	0
Thursday	4/30/2016		72875	72875	0	0
Friday	5/1/2016		72875	72875	0	0
Saturday	5/2/2016		72875	72875	0	0
Sunday	5/3/2016		72875	72875	0	0
Monday	5/4/2016		72875	72875	0	0
Tuesday	5/5/2016		72875	72875	0	0
Wednesday	5/6/2016		72875	72875	0	0
Thursday	5/7/2016		72875	72875	0	0
Friday	5/8/2016		72875	72875	0	0
Saturday	5/9/2016		72875	72875	0	0
Sunday	5/10/2016		72875	72875	0	0
Monday	5/11/2016		72875	72875	0	0
Tuesday	5/12/2016		72875	72875	0	0
Wednesday	5/13/2016		72875	72875	0	0

Water Truck Summary		
	Loads	Gallons
	1	4,500
3rd Quarter totals	0.0	0

WELL			
	26	PU - 21	Ag Lime
DATE	WK	Meter Reading	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)			0

4th QUARTER TOTAL GROUNDWATER USEAGE (gallons)	0

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Thursday	5/14/2016		72875	72875	0	0
Friday	5/15/2016		72875	72875	0	0
Saturday	5/16/2016		72875	72875	0	0
Sunday	5/17/2016		72875	72875	0	0
Monday	5/18/2016		72875	72875	0	0
Tuesday	5/19/2016		72875	72875	0	0
Wednesday	5/20/2016		72875	72875		
Thursday	5/21/2016		72875	72875		
Friday	5/22/2016		72875	72875		
Saturday	5/23/2016		72875	72875		
Sunday	5/24/2016		72875	72875		
Monday	5/25/2016		72875	72875		
Tuesday	5/26/2016		72875	72875		
Wednesday	5/27/2016		72875	72875		
Thursday	5/28/2016		72875	72875		
Friday	5/29/2016		72875	72875		
Saturday	5/30/2016		72875	72875		
Sunday	5/31/2016		72875	72875		
Monday	6/1/2016		72875	72875		
Tuesday	6/2/2016		72875	72875		
Wednesday	6/3/2016		72875	72875		
Thursday	6/4/2016		72875	72875		
Friday	6/5/2016		72875	72875		
Saturday	6/6/2016		72875	72875		
Sunday	6/7/2016		72875	72875		
Monday	6/8/2016		72875	72875		
Tuesday	6/9/2016		72875	72875		
Wednesday	6/10/2016		72875	72875		
Thursday	6/11/2016		72875	72875		
Friday	6/12/2016		72875	72875		
Saturday	6/13/2016		72875	72875		
Sunday	6/14/2016		72875	72875		
Monday	6/15/2016		72875	72875		
Tuesday	6/16/2016		72875	72875		
Wednesday	6/17/2016		72875	72875		
Thursday	6/18/2016		72875	72875		
Friday	6/19/2016		72875	72875		
Saturday	6/20/2016		72875	72875		
Sunday	6/21/2016		72875	72875		
Monday	6/22/2016		72875	72875		
Tuesday	6/23/2016		72875	72875		
Wednesday	6/24/2016		72875	72875		
Thursday	6/25/2016		72875	72875		
Friday	6/26/2016		72875	72875		
Saturday	6/27/2016		72875	72875		
Sunday	6/28/2016		72875	72875		
Monday	6/29/2016		72875	72875		
Tuesday	6/30/2016		72875	72875		
	Totals	0.00			0.0	0.0

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QUARRY DEWATER & CREEK MAKE-UP WATER

		PU-19 QA		PU-18 QB		PU-04		PU-03		PU-21	
		65HP		35HP		Big		Little		AG-	Lime
DATE	WK	Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	Meter	Hrs. Ran	Meter	Hrs.	Meter	Hrs.
4/1/16		5554.0	44.0	7146.0	83.0	6331.0	20.0	1279.0	0.0	11062.0	0.0
4/8/16		5583.0	29.0	7218.0	72.0	6342.0	11.0	1279.0	0.0	11062.0	0.0
4/15/16		5637.0	54.0	7320.0	102.0	6364.0	22.0	1279.0	0.0	11062.0	0.0
4/22/16		5728.0	91.0	7473.2	153.2	6364.0	0.0	1279.0	0.0	11062.0	0.0
4/29/16		5784.0	56.0	7586.0	112.8	6364.0	0.0	1279.0	0.0	11062.0	0.0
5/6/16		5830.0	46.0	7761.0	175.0	6364.0	0.0	1279.0	0.0	11062.0	0.0
5/13/16		5884.0	54.0	7918.0	157.0	6386.0	22.0	1279.0	0.0	11062.0	0.0
5/20/16		5925.0	41.0	8084.0	166.0	6410.0	24.0	1279.0	0.0	11062.0	0.0
5/27/16		5967.0	42.0	8238.0	154.0	6453.0	43.0	1279.0	0.0	11062.0	0.0
6/3/16		6059.0	92.0	8425.0	187.0	6483.0	30.0	1280.0	1.0	11062.0	0.0
6/10/16		6197.0	138.0	8589.0	164.0	6510.0	27.0	1281.0	1.0	11062.0	0.0
6/17/16		6259.0	62.0	8786.0	197.0	6544.0	34.0	1282.0	1.0	11062.0	0.0
6/24/16		6290.0	31.0	8972.0	186.0	6566.0	22.0	1283.0	1.0	11062.0	0.0

Day/Date	MCD Rainfall Measurement
Monday, March 28, 2016	0.0
Tuesday, March 29, 2016	0.0
Wednesday, March 30, 2016	0.2
Thursday, March 31, 2016	0.0
Friday, April 01, 2016	0.0
Saturday, April 02, 2016	0.0
Sunday, April 03, 2016	0.0
Totals	0.2
Monday, April 04, 2016	0.0
Tuesday, April 05, 2016	0.0
Wednesday, April 06, 2016	0.0
Thursday, April 07, 2016	0.0
Friday, April 08, 2016	0.0
Saturday, April 09, 2016	0.1
Sunday, April 10, 2016	0.0
Totals	0.1
Monday, April 11, 2016	1.3
Tuesday, April 12, 2016	0.1
Wednesday, April 13, 2016	0.2
Thursday, April 14, 2016	0.0
Friday, April 15, 2016	0.0
Saturday, April 16, 2016	0.0
Sunday, April 17, 2016	2.0
Totals	3.5
Monday, April 18, 2016	0.3
Tuesday, April 19, 2016	0.8
Wednesday, April 20, 2016	0.2
Thursday, April 21, 2016	0.0
Friday, April 22, 2016	0.0
Saturday, April 23, 2016	0.0
Sunday, April 24, 2016	0.0
Totals	1.3
Monday, April 25, 2016	0.0
Tuesday, April 26, 2016	1.0
Wednesday, April 27, 2016	0.0
Thursday, April 28, 2016	0.0
Friday, April 29, 2016	2.2
Saturday, April 30, 2016	0.0
Sunday, May 01, 2016	0.1
Totals	3.2
Monday, May 02, 2016	0.0
Tuesday, May 03, 2016	0.0
Wednesday, May 04, 2016	0.0
Thursday, May 05, 2016	0.0
Friday, May 06, 2016	0.0
Saturday, May 07, 2016	0.0
Sunday, May 08, 2016	0.2
Totals	0.2
Monday, May 09, 2016	1.0
Tuesday, May 10, 2016	0.0
Wednesday, May 11, 2016	0.0
Thursday, May 12, 2016	0.0
Friday, May 13, 2016	0.0
Saturday, May 14, 2016	0.0
Sunday, May 15, 2016	0.0
Totals	1.1

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Day/Date	MCD Rainfall Measurement
Monday, May 16, 2016	0.1
Tuesday, May 17, 2016	1.5
Wednesday, May 18, 2016	0.0
Thursday, May 19, 2016	0.2
Friday, May 20, 2016	0.0
Saturday, May 21, 2016	0.0
Sunday, May 22, 2016	0.0
Totals	1.8
Monday, May 23, 2016	0.9
Tuesday, May 24, 2016	0.6
Wednesday, May 25, 2016	0.0
Thursday, May 26, 2016	0.0
Friday, May 27, 2016	1.0
Saturday, May 28, 2016	0.0
Sunday, May 29, 2016	0.5
Totals	3.0
Monday, May 30, 2016	1.8
Tuesday, May 31, 2016	0.2
Wednesday, June 01, 2016	0.1
Thursday, June 02, 2016	2.4
Friday, June 03, 2016	0.4
Saturday, June 04, 2016	0.0
Sunday, June 05, 2016	0.0
Totals	4.9
Monday, June 06, 2016	0.0
Tuesday, June 07, 2016	0.0
Wednesday, June 08, 2016	0.0
Thursday, June 09, 2016	0.0
Friday, June 10, 2016	0.0
Saturday, June 11, 2016	0.0
Sunday, June 12, 2016	2.5
Totals	2.5
Monday, June 13, 2016	0
Tuesday, June 14, 2016	0.38
Wednesday, June 15, 2016	0
Thursday, June 16, 2016	0
Friday, June 17, 2016	0
Saturday, June 18, 2016	0.5
Sunday, June 19, 2016	0.0
Totals	0.8
Monday, June 20, 2016	0.0
Tuesday, June 21, 2016	0.0
Wednesday, June 22, 2016	0.0
Thursday, June 23, 2016	0.0
Friday, June 24, 2016	0.0
Saturday, June 25, 2016	0.0
Sunday, June 26, 2016	0.2
Totals	0.2
Monday, June 27, 2016	0.5
Tuesday, June 28, 2016	0.0
Wednesday, June 29, 2016	0.0
Thursday, June 30, 2016	0.0
Friday, July 01, 2016	0.0
Saturday, July 02, 2016	0.0
Sunday, July 03, 2016	0.6
Totals	1.1

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