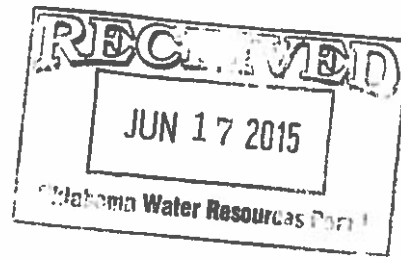




Robin Simmons
Land Manager



June 15, 2015

Kent Wilkins
Oklahoma Water Resources Board
3800 N. Classen
Oklahoma City, OK 73118

Re: Martin Marietta/Material Producers Davis Quarry Q1 2015 Monitoring Report

Dear Mr. Wilkins:

Attached please find the Q1 2015 monitoring report and associated data and calculations for Martin Marietta/Material Producers' Davis Quarry.

Due to a problem reading the on-site weather station, rainfall data from March 11 through March 31 is from the Sulphur Mesonet station.

Sincerely,

A handwritten signature in blue ink that reads 'Robin L. Simmons'.

Robin L. Simmons, EIT
Land Manager

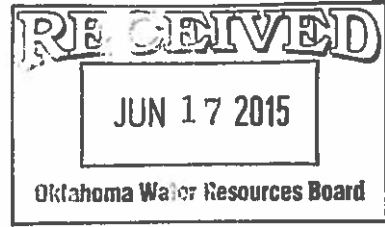


MMM Davis Quarry 2015 Monitoring Report

All volumes are in acre-feet.

	Total Groundwater Entering Pit	Total Stormwater Entering Pit	Total Pit Stormwater Diverted	Total Pit Water Diverted	Pit Water Sent To Holding Basin	Groundwater Augmentation	Streamwater Augmentation	Consumptive Use of Pit Water	Consumptive Use of Groundwater	Groundwater Pumped From Well
January-15	-3.92	8.43	8.43	4.51	N/A	-3.92	0.00	2.50	0.00	0.00
February-15	-2.03	2.22	2.22	0.19	N/A	-2.03	0.00	2.44	0.00	0.00
March-15	-18.20	13.86	13.86	-4.34	N/A	-18.20	0.00	3.06	0.00	0.00
1st QTR Totals	-24.16	24.51	24.51	0.36	0.00	-24.16	0.00	7.99	0.00	0.00

Note: Negative entries for Total Groundwater Entering Pit indicates that stormwater is entering the rock formation via the pit.

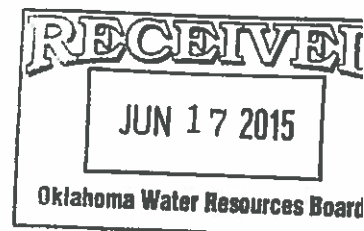


	Consumptive Use								
	January	February	March	April	May	June	July	August	September
Water Truck Usage	0.31	0.47		0.43					
Moisture Content of Product Shipped	2.19	1.97		2.63					
Misc on site use	-	-		-					
Misc off site	-	-		-					
Total	2.50	2.44		3.06					

	Shipped Tons								
	January	February	March	April	May	June	July	August	September
Base	29,097	20,414	31,530						
Coarse Aggregate	74,067	64,315	80,129						
Fine Aggregate	10,897	15,076	19,402						
Total	114,060	99,806	131,062						
Moisture Shipped	2.19	1.97		2.63					

Davis Water Balance

	Dec-14	Jan-15	Feb-15	Mar-15
Monitoring Period, Days		31	28	31
Monthly Production, tons		141,306	114,360	149,226
Product Moisture Content		3.5%	3.5%	3.5%
Water Truck Loads		10	15	14
Month End Water Elevs.				
1) Freshwater pond, depth to water	4.485	4.247	7.792	17.474
2) Pit Sump, depth to water	12.133	11.346	11.442	11.207
Pond Surface Acres				
1) Freshwater pond	0.937	0.937	0.937	0.937
2) Pit Sump	0.322	0.322	0.322	0.322
Total surface acres	1.259	1.259	1.259	1.259
Pond Water Volume Change				
1) Freshwater pond		0.223	-3.322	-9.072
2) Pit Sump		0.253	-0.031	0.076
3) Change in settling pond storage		0.000	0.000	0.000
Net Volume Change		0.476	-3.353	-8.996
Water Inputs, ac-ft				
Rural Water		0.136	0.075	0.000
Lake Water		0.000	0.000	0.000
Well Water		0.000	0.000	0.000
Precipitation		8.426	2.220	13.862
Total Water Input		8.562	2.295	13.862
Water Usage, ac-ft				
Product moisture content		3.639	2.945	3.843
Haul road dust control		0.307	0.470	0.430
Evaporation losses		0.221	0.198	0.382
Misc usage		0	0	0
Total Water Usage, Ac-ft		4.167	3.613	4.654
Net Water Input		4.395	-1.318	9.207
Groundwater Inflow		-3.919	-2.034	-18.203
Groundwater Inflow, Avg Ac-ft/Day		-0.126	-0.073	-0.587
Groundwater Inflow, Avg Gallons/Day		-41,191	-23,674	-191,343



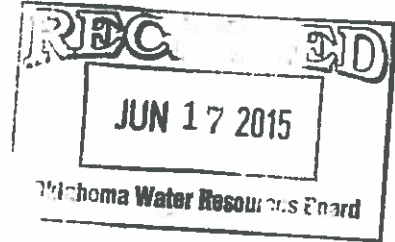
January Precipitation Data

PIT RUNOFF ASSUMPTIONS

Hydrologic Soil Group	D	
Land Use	gravel road	
AMC Condition	II (ave)	
CN (pit fringe)	88	area draining into pit
CN (pit)	100	area with direct interception
S (pit fringe)	1.364	area draining into pit
S (pit)	0.000	area with direct interception
Pit - Direct Interception (>95 ft deep)	54.36	subject to refinement
Pit fringe (area drains to pit)	68.34	subject to refinement
Drainage to Pit (total area)	122.70	subject to refinement

Quarry area Fringe area

Date	Precip, in.	Runoff, in.	Runoff, in.	Evapor, in/day
1-Jan	0.08	0.08	0.00	0.01
2-Jan	0.42	0.42	0.00	0.01
3-Jan	0.17	0.17	0.00	0.02
4-Jan	0.00	0.00	0.00	0.05
5-Jan	0.00	0.00	0.00	0.06
6-Jan	0.00	0.00	0.00	0.06
7-Jan	0.00	0.00	0.00	0.05
8-Jan	0.00	0.00	0.00	0.05
9-Jan	0.00	0.00	0.00	0.05
10-Jan	0.00	0.00	0.00	0.04
11-Jan	0.02	0.02	0.00	0.01
12-Jan	0.00	0.00	0.00	0.01
13-Jan	0.00	0.00	0.00	0.04
14-Jan	0.00	0.00	0.00	0.02
15-Jan	0.00	0.00	0.00	0.08
16-Jan	0.00	0.00	0.00	0.11
17-Jan	0.00	0.00	0.00	0.10
18-Jan	0.00	0.00	0.00	0.18
19-Jan	0.00	0.00	0.00	0.13
20-Jan	0.00	0.00	0.00	0.09
21-Jan	0.05	0.05	0.00	0.05
22-Jan	0.43	0.43	0.00	0.01
23-Jan	0.00	0.00	0.00	0.07
24-Jan	0.00	0.00	0.00	0.11
25-Jan	0.00	0.00	0.00	0.13
26-Jan	0.00	0.00	0.00	0.13
27-Jan	0.00	0.00	0.00	0.13
28-Jan	0.00	0.00	0.00	0.17
29-Jan	0.00	0.00	0.00	0.08
30-Jan	0.00	0.00	0.00	0.06
31-Jan	0.69	0.69	0.00	0.02
		1.86	0.00	
Volume, ac-ft		8.43	0.00	2.105
Total Vol, ac-ft		8.43		

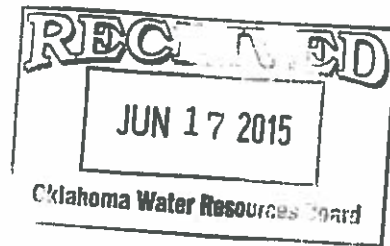


February Precipitation Data

PIT RUNOFF ASSUMPTIONS		
Hydrologic Soil Group	D	
Land Use	gravel road	
AMC Condition	II (ave)	
CN (pit fringe)	88	area draining into pit
CN (pit)	100	area with direct interception
S (pit fringe)	1.364	area draining into pit
S (pit)	0.000	area with direct interception
Pit - Direct Interception (>95 ft deep)	54.36	subject to refinement
Pit fringe (area drains to pit)	68.34	subject to refinement
Drainage to Pit (total area)	122.70	subject to refinement

Quarry are Fringe area

Date	Precip, in.	Runoff, in.	Runoff, in.	Evapor, in/day
1-Feb	0.03	0.03	0.00	0.05
2-Feb	0.00	0.00	0.00	0.06
3-Feb	0.00	0.00	0.00	0.09
4-Feb	0.00	0.00	0.00	0.02
5-Feb	0.00	0.00	0.00	0.03
6-Feb	0.00	0.00	0.00	0.09
7-Feb	0.00	0.00	0.00	0.10
8-Feb	0.00	0.00	0.00	0.11
9-Feb	0.00	0.00	0.00	0.11
10-Feb	0.00	0.00	0.00	0.11
11-Feb	0.00	0.00	0.00	0.06
12-Feb	0.00	0.00	0.00	0.09
13-Feb	0.00	0.00	0.00	0.14
14-Feb	0.00	0.00	0.00	0.17
15-Feb	0.09	0.09	0.00	0.05
16-Feb	0.05	0.05	0.00	0.03
17-Feb	0.02	0.02	0.00	0.08
18-Feb	0.00	0.00	0.00	0.09
19-Feb	0.00	0.00	0.00	0.10
20-Feb	0.00	0.00	0.00	0.02
21-Feb	0.00	0.00	0.00	0.08
22-Feb	0.00	0.00	0.00	0.01
23-Feb	0.00	0.00	0.00	0.01
24-Feb	0.13	0.13	0.00	0.04
25-Feb	0.14	0.14	0.00	0.10
26-Feb	0.00	0.00	0.00	0.06
27-Feb	0.00	0.00	0.00	0.02
28-Feb	0.03	0.03	0.00	0.01
		0.00	0.00	
		0.00	0.00	
		0.00	0.00	
		0.49	0.00	
Volume, ac-ft		2.22	0.00	1.889
Total Vol, ac-ft		2.22		



March Precipitation Data

PIT RUNOFF ASSUMPTIONS		
Hydrologic Soil Group	D	
Land Use	gravel road	
AMC Condition	II (ave)	
CN (pit fringe)	88	area draining into pit
CN (pit)	100	area with direct interception
S (pit fringe)	1.364	area draining into pit
S (pit)	0.000	area with direct interception
Pit - Direct Interception (>95 ft deep)	54.36	subject to refinement
Pit fringe (area drains to pit)	68.34	subject to refinement
Drainage to Pit (total area)	122.70	subject to refinement

Quarry area Fringe area

Date	Precip, in.	Runoff, in.	Runoff, in.	Evapor, in/day
1-Mar	0.18	0.18	0.00	0.02
2-Mar	0.10	0.10	0.00	0.02
3-Mar	0.01	0.01	0.00	0.03
4-Mar	0.20	0.20	0.00	0.06
5-Mar	0.24	0.24	0.00	0.08
6-Mar	0.00	0.00	0.00	0.13
7-Mar	0.00	0.00	0.00	0.02
8-Mar	0.00	0.00	0.00	0.74
9-Mar	0.54	0.54	0.00	0.01
10-Mar	0.00	0.00	0.00	0.04
11-Mar	0.01	0.01	0.00	0.11
12-Mar	0.00	0.00	0.00	0.11
13-Mar	0.72	0.72	0.00	0.02
14-Mar	0.02	0.02	0.00	0.08
15-Mar	0.00	0.00	0.00	0.08
16-Mar	0.00	0.00	0.00	0.14
17-Mar	0.00	0.00	0.00	0.12
18-Mar	0.25	0.25	0.00	0.04
19-Mar	0.09	0.09	0.00	0.02
20-Mar	0.03	0.03	0.00	0.06
21-Mar	0.00	0.00	0.00	0.06
22-Mar	0.12	0.12	0.00	0.09
23-Mar	0.00	0.00	0.00	0.15
24-Mar	0.00	0.00	0.00	0.23
25-Mar	0.53	0.53	0.00	0.18
26-Mar	0.00	0.00	0.00	0.15
27-Mar	0.00	0.00	0.00	0.09
28-Mar	0.00	0.00	0.00	0.18
29-Mar	0.00	0.00	0.00	0.22
30-Mar	0.00	0.00	0.00	0.18
31-Mar	0.02	0.02	0.00	0.17
		3.06	0.00	
Volume, ac-ft		13.86	0.00	3.639
Total Vol, ac-ft		13.86		

