

MMM Davis Quarry 2013 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-13	-4.42	5.07	5.07	0.65	N/A	-4.42	0.00	2.46	0.00	0.00
February-13	-17.28	29.87	29.87	12.59	N/A	-17.28	0.00	1.87	0.00	0.00
March-13	-1.09	2.90	2.90	1.81	N/A	-1.09	0.00	3.77	0.00	0.00
1st QTR Totals	-22.79	37.84	37.84	15.05	0.00	-22.79	0.00	8.10	0.00	0.00
April-13	-5.14	7.88	7.88	2.74	N/A	-5.14	0.00	3.31	0.00	0.00
May-13	-11.93	19.84	19.84	7.91	N/A	-11.93	0.00	3.20	0.00	0.00
June-13	-8.06	15.04	15.04	6.97	N/A	-8.06	0.00	3.24	0.00	0.00
2nd QTR Totals	-25.14	42.76	42.76	17.63	0.00	-25.14	0.00	9.76	0.00	0.00
July-13	-11.05	14.09	14.09	3.03	N/A	-11.05	0.00	3.91	0.00	0.00
August-13	-10.00	8.47	8.47	-1.53	N/A	-10.00	0.00	4.56	0.00	0.00
September-13	-3.41	5.09	5.09	1.69	N/A	-3.41	0.00	4.68	0.00	0.00
3rd QTR Totals	-24.46	27.65	27.65	3.19	0.00	-24.46	0.00	13.16	0.00	0.00
October-13	-12.22	9.74	9.74	-2.48	N/A	-12.22	0.00	3.63	0.00	0.00
November-13	-4.88	6.43	6.43	1.55	N/A	-4.88	0.00	2.56	0.00	0.00
December-13	3.82	6.89	6.89	10.70	N/A	3.82	0.00	1.87	0.00	0.00
4th QTR Totals	-13.29	23.06	23.06	9.77	0.00	-13.29	0.00	8.07	0.00	0.00
2013 Totals	-85.68	131.31	131.31	45.63	0.00	-85.68	0.00	39.08	0.00	0.00

Wilkins, Kent

From: Robin Simmons [Robin.Simmons@martinmarietta.com]
Sent: Tuesday, June 17, 2014 1:18 PM
To: Wilkins, Kent
Subject: FW: MMM Davis Quarry 2013 Q4 and 2013 Annual Monitoring Report
Attachments: MMM Davis Q4 2013 Monitoring Report.pdf; MMM Davis Q4 2013 Monitoring Data.zip

From: Robin Simmons
Sent: Friday, February 28, 2014 4:15 PM
To: Wicker, Rick (RHWicker@owrb.ok.gov); Wilkins, Kent
Cc: Ron Kopplin (Ron.Kopplin@martinmarietta.com); Johnny Parker (johnny.parker@martinmarietta.com)
Subject: MMM Davis Quarry 2013 Q4 and 2013 Annual Monitoring Report

Attached please find the Q4 and 2013 Annual Monitoring Report for Martin Marietta's Davis Quarry.

The pit sump transducer that was struck by lightning in mid-September was replaced in December. We have included the new readings in December reporting. Given the past history of the water balance showing outflows of water from the system, we believe that the replacement of the transducer in December has resulted in an anomaly showing an inflow of water for the month of December. We will continue to monitor this in coming months and we expect to see the trend return to show outflows of water from the system.

From January 2013 through May 2013, the rural water entering the system was inadvertently omitted from the water balance calculations. The Q4 report includes corrected water amounts for those months that include the rural water. The total rural water volume entering the system during those months was 0.1 acre feet so the effect on the reported calculations is very small.

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Martin Marietta Materials

