



Jesse Martindale

Lead Environmental Engineer

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OKLAHOMA WATER RESOURCES BOARD

Jason Tutkowski  
Oklahoma Water Resources Board  
3800 N. Classen  
Oklahoma City, OK 73118

Re: Martin Marietta Davis Quarry 2026 Q2 Report

Dear Mr. Tutkowski:

Attached please find the Q2 monitoring report and associated data and calculations for the Martin Marietta Davis Quarry with the requested updated information.

As is typical at the Davis Quarry, we see more precipitation and runoff entering the pit than the total water we use from the pit. Also typically, we do not see a rise in water levels in the pit that correspond to the additional precipitation and runoff that we know is entering the pit and not being used. Thus we still see a net decrease of water within the pit indicating that we continue to augment groundwater through the pit.

Regards,

*Jesse Martindale*

Jesse Martindale

Lead Environmental Engineer

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## MM Davis Quarry 2026 Monitoring Report

All volumes are in acre-feet.

|                | Total<br>Groundwater<br>Entering Pit | Total<br>Stormwater<br>Entering Pit | Total<br>Stormwater<br>Diverted from<br>Pit | Total Water<br>Diverted | Water Sent To<br>Holding Basin | Groundwater<br>Augmentation | Streamwater<br>Augmentation | Consumptive<br>Use of<br>Stormwater | Consumptive<br>Use of<br>Groundwater | Groundwater<br>Pumped From<br>Well |
|----------------|--------------------------------------|-------------------------------------|---------------------------------------------|-------------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------------------|--------------------------------------|------------------------------------|
| January-26     | -2.87                                | 7.30                                | 7.30                                        | 4.43                    | N/A                            | -2.87                       | 0.00                        | 1.80                                | 0.00                                 | 0.00                               |
| February-26    | -34.64                               | 9.45                                | 9.45                                        | -25.19                  | N/A                            | -34.64                      | 0.00                        | 3.66                                | 0.00                                 | 0.00                               |
| March-26       | 18.25                                | 13.34                               | 13.34                                       | 31.59                   | N/A                            | 18.25                       | 0.00                        | 3.94                                | 0.00                                 | 0.00                               |
| 1st QTR Totals | -19.26                               | 30.09                               | 30.09                                       | 10.83                   | 0.00                           | -19.26                      | 0.00                        | 9.39                                | 0.00                                 | 0.00                               |
| April-26       | -31.23                               | 47.55                               | 47.55                                       | 16.33                   | N/A                            | -31.23                      | 0.00                        | 4.90                                | 0.00                                 | 0.00                               |
| May-26         | -15.11                               | 24.53                               | 24.53                                       | 9.43                    | N/A                            | -15.11                      | 0.00                        | 4.22                                | 0.00                                 | 0.00                               |
| June-26        | -40.27                               | 50.44                               | 50.44                                       | 10.18                   | N/A                            | -40.27                      | 0.00                        | 4.55                                | 0.00                                 | 0.00                               |
| 2nd QTR Totals | -86.60                               | 122.53                              | 122.53                                      | 35.93                   | 0.00                           | -86.60                      | 0.00                        | 13.68                               | 0.00                                 | 0.00                               |

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

Total groundwater entering the pit = total stormwater entering the pit - total water diverted

Groundwater Right Value (MEPS): 68 acre-feet

## Davis Water Balance

|                                                             | Jan-25         | Feb-25          | Mar-25         | Apr-25          | May-25          | Jun-25          |
|-------------------------------------------------------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| <b>Monitoring Period, Days</b>                              | 31             | 28              | 31             | 30              | 31              | 30              |
| <b>Monthly Production, tons</b>                             | 89,199         | 134,017         | 155,936        | 154,251         | 157,389         | 130,907         |
| <b>Product Moisture Content</b>                             | 3.5%           | 3.5%            | 3.5%           | 3.5%            | 3.5%            | 3.5%            |
| <b>Water Truck Loads</b>                                    | 8              | 41              | 34             | 71              | 63              | 67              |
| <b>Month End Water Elevs.</b>                               |                |                 |                |                 |                 |                 |
| 1) Freshwater pond, depth to water                          | 13.76284       | 12.23584        | 10.01          | 12.3536         | 11.9615         | 12.2643         |
| 2) Pit Sump, depth to water                                 | 10.58453       | 5.25875         | 9.48752        | 10.2584         | 10.2584         | 10.2584         |
| <b>Pond Surface Acres</b>                                   |                |                 |                |                 |                 |                 |
| 1) Freshwater pond                                          | 1.0            | 1.0             | 1.0            | 1.1             | 1.1             | 1.1             |
| 2) Pit Sump                                                 | 5.79           | 5.79            | 5.79           | 5.79            | 5.79            | 5.79            |
| Total surface acres                                         | 6.794314       | 6.794314        | 6.794313535    | 6.85431354      | 6.8543135       | 6.854313535     |
| <b>Pond Water Volume Change</b>                             |                |                 |                |                 |                 |                 |
| 1) Freshwater pond                                          | -0.250         | -1.527          | -2.226         | 2.484           | -0.416          | 0.321           |
| 2) Pit Sump                                                 | 0.568          | -30.859         | 24.503         | 4.467           | 0.000           | 0.000           |
| 3) Change in settling pond storage                          | 0.000          | 0.000           | 0.000          | 0.000           | 0.000           | 0.000           |
| <b>Net Volume Change</b>                                    | <b>0.317</b>   | <b>-32.386</b>  | <b>22.277</b>  | <b>6.951</b>    | <b>-0.416</b>   | <b>0.321</b>    |
| <b>Water Inputs, ac-ft</b>                                  |                |                 |                |                 |                 |                 |
| Rural Water                                                 | 0.000          | 0.037           | 0.028          | 0.000           | 0.000           | 0.000           |
| Lake Water                                                  | 0.000          | 0.000           | 0.000          | 0.000           | 0.000           | 0.000           |
| Well Water                                                  | 0.000          | 0.000           | 0.000          | 0.000           | 0.000           | 0.000           |
| Precipitation                                               | 7.298          | 9.452           | 13.344         | 47.554          | 24.534          | 50.443          |
| <b>Total Water Input</b>                                    | <b>7.298</b>   | <b>9.489</b>    | <b>13.372</b>  | <b>47.554</b>   | <b>24.534</b>   | <b>50.443</b>   |
| <b>Water Usage, ac-ft</b>                                   |                |                 |                |                 |                 |                 |
| Product moisture content                                    | 2.297          | 3.451           | 4.016          | 3.972           | 4.053           | 3.371           |
| Haul road dust control                                      | 0.221          | 1.132           | 0.939          | 1.961           | 1.740           | 1.851           |
| Evaporation losses                                          | 1.597          | 2.650           | 4.388          | 3.444           | 4.050           | 4.632           |
| Misc usage                                                  | -              | -               | -              | -               | -               | -               |
| <b>Total Water Usage, Ac-ft</b>                             | <b>4.115</b>   | <b>7.234</b>    | <b>9.343</b>   | <b>9.378</b>    | <b>9.843</b>    | <b>9.854</b>    |
| <b>Net Water Input</b>                                      | <b>3.183</b>   | <b>2.255</b>    | <b>4.029</b>   | <b>38.176</b>   | <b>14.690</b>   | <b>40.589</b>   |
| <b>emergency storage of precipitation and runoff, ac-ft</b> |                |                 |                |                 |                 |                 |
| <b>Groundwater Inflow</b>                                   | <b>-2.865</b>  | <b>-34.642</b>  | <b>18.248</b>  | <b>-31.225</b>  | <b>-15.106</b>  | <b>-40.268</b>  |
| <b>Groundwater Inflow, Avg Ac-ft/Day</b>                    | <b>-0.092</b>  | <b>-1.237</b>   | <b>0.589</b>   | <b>-1.041</b>   | <b>-0.487</b>   | <b>-1.342</b>   |
| <b>Groundwater Inflow, Avg Gallons/Day</b>                  | <b>-30,118</b> | <b>-403,142</b> | <b>191,807</b> | <b>-339,158</b> | <b>-158,785</b> | <b>-437,374</b> |

Consumptive Use

|                                     | January | February | March | April | May  | June |
|-------------------------------------|---------|----------|-------|-------|------|------|
| Water Truck Usage                   | 0.22    | 1.13     | 0.94  | 1.96  | 1.74 | 1.85 |
| Moisture Content of Product Shipped | 1.58    | 2.52     | 3.00  | 2.94  | 2.48 | 2.70 |
| Misc on site use                    | -       | -        | -     | -     | -    | -    |
| Misc off site                       | -       | -        | -     | -     | -    | -    |
| Total                               | 1.80    | 3.66     | 3.94  | 4.90  | 4.22 | 4.55 |

| Shipped Tons     | January | February | March   | April   | May     | June    |
|------------------|---------|----------|---------|---------|---------|---------|
| Base             | 4,351   | 9,599    | 10,698  | 14,318  | 9,846   | 7,015   |
| Coarse Aggregate | 59,093  | 88,730   | 89,542  | 96,770  | 76,992  | 88,291  |
| Fine Aggregate   | 17,854  | 28,918   | 41,590  | 34,201  | 32,544  | 36,174  |
| Total            | 81,298  | 127,247  | 141,831 | 145,289 | 119,381 | 131,480 |
| Moisture Shipped | 1.58    | 2.52     | 3.00    | 2.94    | 2.48    | 2.70    |

April 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) | 83.40       | subject to refinement         |
| Pit fringe (area drains to pit)         | 84.81       | subject to refinement         |
| Drainage to Pit (total area)            | 168.21      | subject to refinement         |

Quarry areaFringe area

| Date             | Precip, in. | Runoff, in. | Runoff, in. | Evapor, in/day |
|------------------|-------------|-------------|-------------|----------------|
| 1-Apr            | 0.75        | 0.75        | 0.00        | 0.26           |
| 2-Apr            | 0.62        | 0.62        | 0.00        | 0.31           |
| 3-Apr            | 0.19        | 0.19        | 0.00        | 0.16           |
| 4-Apr            | 1.89        | 1.89        | 0.88        | 0.28           |
| 5-Apr            | 0.00        | 0.00        | 0.00        | 0.21           |
| 6-Apr            | 0.00        | 0.00        | 0.00        | 0.19           |
| 7-Apr            | 0.00        | 0.00        | 0.00        | 0.19           |
| 8-Apr            | 0.00        | 0.00        | 0.00        | 0.26           |
| 9-Apr            | 0.00        | 0.00        | 0.00        | 0.26           |
| 10-Apr           | 0.00        | 0.00        | 0.00        | 0.23           |
| 11-Apr           | 0.00        | 0.00        | 0.00        | 0.18           |
| 12-Apr           | 0.39        | 0.39        | 0.00        | 0.18           |
| 13-Apr           | 0.00        | 0.00        | 0.00        | 0.25           |
| 14-Apr           | 0.03        | 0.03        | 0.00        | 0.17           |
| 15-Apr           | 0.03        | 0.03        | 0.00        | 0.10           |
| 16-Apr           | 0.00        | 0.00        | 0.00        | 0.23           |
| 17-Apr           | 0.01        | 0.01        | 0.00        | 0.14           |
| 18-Apr           | 0.44        | 0.44        | 0.00        | 0.30           |
| 19-Apr           | 0.00        | 0.00        | 0.00        | 0.20           |
| 20-Apr           | 0.00        | 0.00        | 0.00        | 0.22           |
| 21-Apr           | 0.00        | 0.00        | 0.00        | 0.06           |
| 22-Apr           | 0.00        | 0.00        | 0.00        | 0.07           |
| 23-Apr           | 0.00        | 0.00        | 0.00        | 0.15           |
| 24-Apr           | 0.22        | 0.22        | 0.00        | 0.23           |
| 25-Apr           | 0.17        | 0.17        | 0.00        | 0.15           |
| 26-Apr           | 0.01        | 0.01        | 0.00        | 0.22           |
| 27-Apr           | 0.00        | 0.00        | 0.00        | 0.35           |
| 28-Apr           | 1.20        | 1.20        | 0.00        | 0.18           |
| 29-Apr           | 0.00        | 0.00        | 0.00        | 0.14           |
| 30-Apr           | 0.00        | 0.00        | 0.00        | 0.16           |
|                  |             | 0.00        | 0.00        |                |
|                  |             | 5.95        | 0.88        |                |
| Volume, ac-ft    |             | 41.35       | 6.20        | 6.03           |
| Total Vol, ac-ft |             | 47.55       |             |                |

May 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) | 83.40       | subject to refinement         |
| Pit fringe (area drains to pit)         | 84.81       | subject to refinement         |
| Drainage to Pit (total area)            | 168.21      | subject to refinement         |

**Quarry areFringe area**

| Date             | Precip, in. | Runoff, in. | Runoff, in. | Evapor, in/day |
|------------------|-------------|-------------|-------------|----------------|
| 1-May            | 0.00        | 0.00        | 0.00        | 0.20           |
| 2-May            | 0.00        | 0.00        | 0.00        | 0.19           |
| 3-May            | 0.00        | 0.00        | 0.00        | 0.29           |
| 4-May            | 0.00        | 0.00        | 0.00        | 0.33           |
| 5-May            | 0.00        | 0.00        | 0.00        | 0.18           |
| 6-May            | 0.00        | 0.00        | 0.00        | 0.16           |
| 7-May            | 0.00        | 0.00        | 0.00        | 0.20           |
| 8-May            | 0.00        | 0.00        | 0.00        | 0.23           |
| 9-May            | 0.10        | 0.10        | 0.00        | 0.25           |
| 10-May           | 1.11        | 1.11        | 0.00        | 0.11           |
| 11-May           | 0.00        | 0.00        | 0.00        | 0.24           |
| 12-May           | 0.00        | 0.00        | 0.00        | 0.26           |
| 13-May           | 0.00        | 0.00        | 0.00        | 0.24           |
| 14-May           | 0.00        | 0.00        | 0.00        | 0.34           |
| 15-May           | 0.00        | 0.00        | 0.00        | 0.35           |
| 16-May           | 0.00        | 0.00        | 0.00        | 0.38           |
| 17-May           | 0.00        | 0.00        | 0.00        | 0.27           |
| 18-May           | 0.00        | 0.00        | 0.00        | 0.32           |
| 19-May           | 0.77        | 0.77        | 0.00        | 0.09           |
| 20-May           | 0.00        | 0.00        | 0.00        | 0.18           |
| 21-May           | 0.16        | 0.16        | 0.00        | 0.06           |
| 22-May           | 0.01        | 0.01        | 0.00        | 0.19           |
| 23-May           | 0.66        | 0.66        | 0.00        | 0.19           |
| 24-May           | 0.00        | 0.00        | 0.00        | 0.24           |
| 25-May           | 0.00        | 0.00        | 0.00        | 0.25           |
| 26-May           | 0.00        | 0.00        | 0.00        | 0.24           |
| 27-May           | 0.47        | 0.47        | 0.00        | 0.07           |
| 28-May           | 0.21        | 0.21        | 0.00        | 0.19           |
| 29-May           | 0.04        | 0.04        | 0.00        | 0.20           |
| 30-May           | 0.00        | 0.00        | 0.00        | 0.30           |
| 31-May           | 0.00        | 0.00        | 0.00        | 0.35           |
|                  |             | 3.53        | 0.00        | 0.00           |
| Volume, ac-ft    |             | 24.53       | 0.00        | 7.09           |
| Total Vol, ac-ft |             | 24.53       |             |                |

June 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) | 83.40       | subject to refinement         |
| Pit fringe (area drains to pit)         | 84.81       | subject to refinement         |
| Drainage to Pit (total area)            | 168.21      | subject to refinement         |

**Quarry areaFringe area**

| Date             | Precip, in. | Runoff, in. | Runoff, in. | Evapor, in/day |
|------------------|-------------|-------------|-------------|----------------|
| 1-Jun            | 0.00        | 0.00        | 0.00        | 0.30           |
| 2-Jun            | 0.00        | 0.00        | 0.00        | 0.25           |
| 3-Jun            | 0.00        | 0.00        | 0.00        | 0.20           |
| 4-Jun            | 0.00        | 0.00        | 0.00        | 0.28           |
| 5-Jun            | 0.00        | 0.00        | 0.00        | 0.24           |
| 6-Jun            | 0.27        | 0.27        | 0.00        | 0.18           |
| 7-Jun            | 0.63        | 0.63        | 0.00        | 0.20           |
| 8-Jun            | 0.00        | 0.00        | 0.00        | 0.33           |
| 9-Jun            | 0.00        | 0.00        | 0.00        | 0.33           |
| 10-Jun           | 0.00        | 0.00        | 0.00        | 0.36           |
| 11-Jun           | 0.00        | 0.00        | 0.00        | 0.31           |
| 12-Jun           | 0.00        | 0.00        | 0.00        | 0.24           |
| 13-Jun           | 0.00        | 0.00        | 0.00        | 0.32           |
| 14-Jun           | 1.89        | 1.89        | 0.88        | 0.15           |
| 15-Jun           | 0.00        | 0.00        | 0.00        | 0.23           |
| 16-Jun           | 0.00        | 0.00        | 0.00        | 0.24           |
| 17-Jun           | 0.00        | 0.00        | 0.00        | 0.34           |
| 18-Jun           | 0.00        | 0.00        | 0.00        | 0.29           |
| 19-Jun           | 0.42        | 0.42        | 0.00        | 0.15           |
| 20-Jun           | 0.00        | 0.00        | 0.00        | 0.19           |
| 21-Jun           | 0.00        | 0.00        | 0.00        | 0.30           |
| 22-Jun           | 0.94        | 0.94        | 0.00        | 0.25           |
| 23-Jun           | 1.56        | 1.56        | 0.63        | 0.12           |
| 24-Jun           | 0.00        | 0.00        | 0.00        | 0.18           |
| 25-Jun           | 0.02        | 0.02        | 0.00        | 0.25           |
| 26-Jun           | 0.00        | 0.00        | 0.00        | 0.29           |
| 27-Jun           | 0.00        | 0.00        | 0.00        | 0.35           |
| 28-Jun           | 0.00        | 0.00        | 0.00        | 0.41           |
| 29-Jun           | 0.00        | 0.00        | 0.00        | 0.43           |
| 30-Jun           | 0.00        | 0.00        | 0.00        | 0.40           |
|                  |             | 0.00        | 0.00        |                |
|                  |             | 5.73        | 1.50        |                |
| Volume, ac-ft    |             | 39.82       | 10.62       | 8.11           |
| Total Vol, ac-ft |             | 50.44       |             |                |