

4th Quarter Report 2015  
 North Troy Quarry  
 Mill Creek, OK  
 Vulcan Materials Company

VMC North Troy 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 | Streamwater Pumped From Mill Creek | Groundwater Pumped From Wells | Total Annual Groundwater Allocation, Ac-ft |
|----------------|--------------------------------|-------------------------------|-------------------------------|--------------------------|---------------------------------|--------------------------|--------------------------|------------------------------|------------------------------------|-------------------------------|--|
| January-15     | 162.21                         | 7.10                          | 7.10                          | 158.53                   | 0.00                            | 168.13                   | 0.00                     | 4.21                         | 0.00                               | 0.00                          | 219.50                                     |
| February-15    | 155.63                         | 3.41                          | 3.41                          | 162.20                   | 0.00                            | 169.85                   | 0.00                     | 4.55                         | 0.00                               | 0.00                          | 219.50                                     |
| March-15       | 179.42                         | 16.17                         | 16.17                         | 176.37                   | 46.28                           | 43.93                    | 105.05                   | 6.91                         | 0.00                               | 0.61                          | 219.50                                     |
| 1st QTR Totals | 497.25                         | 26.69                         | 26.69                         | 497.09                   | 46.28                           | 381.91                   | 105.05                   | 15.66                        | 0.00                               | 0.61                          | N/A  |
| April-15       | 158.59                         | 36.77                         | 36.77                         | 144.94                   | 0.00                            | 98.42                    | 0.00                     | 6.51                         | 0.00                               | 0.00                          | 219.50                                     |
| May-15         | 139.35                         | 225.94                        | 225.94                        | 144.17                   | 0.00                            | 339.76                   | 30.35                    | 5.64                         | 0.00                               | 0.00                          | 219.50                                     |
| June-15        | 216.34                         | 104.52                        | 104.52                        | 213.57                   | 0.00                            | 318.09                   | 0.00                     | 8.29                         | 0.00                               | 0.00                          | 219.50                                     |
| 2nd QTR Totals | 512.29                         | 367.23                        | 367.23                        | 502.88                   | 0.00                            | 756.27                   | 113.64                   | 20.44                        | 0.00                               | 0.00                          | N/A  |
| July-15        | 147.90                         | 144.71                        | 144.71                        | 148.74                   | 38.51                           | 254.93                   | 0.00                     | 9.64                         | 0.00                               | 2.00                          | 219.50                                     |
| August-15      | 234.20                         | 1.44                          | 1.44                          | 231.24                   | 49.76                           | 183.42                   | 0.00                     | 9.35                         | 0.00                               | 0.00                          | 219.50                                     |
| September-15   | 240.79                         | 7.82                          | 7.82                          | 247.20                   | 105.28                          | 149.76                   | 0.00                     | 9.09                         | 0.00                               | 1.75                          | 219.50                                     |
| 3rd QTR Totals | 622.89                         | 153.96                        | 153.96                        | 627.18                   | 193.03                          | 588.11                   | 0.00                     | 28.09                        | 0.00                               | 3.75                          | N/A  |
| October-15     | 212.87                         | 68.46                         | 68.46                         | 214.92                   | 32.04                           | 177.13                   | 74.21                    | 9.17                         | 0.00                               | 0.00                          | 219.50                                     |
| November-15    | 53.01                          | 55.44                         | 55.44                         | 47.98                    | 0.00                            | 103.42                   | 0.00                     | 6.15                         | 0.00                               | 0.00                          | 219.50                                     |
| December-15    | 275.54                         | 40.80                         | 40.80                         | 279.87                   | 35.69                           | 137.55                   | 0.00                     | 4.25                         | 0.00                               | 1.44                          | 219.50                                     |
| 4th QTR Totals | 541.43                         | 164.71                        | 164.71                        | 542.76                   | 87.73                           | 418.10                   | 125.49                   | 19.57                        | 0.00                               | 1.44                          | N/A  |
| 2015 Totals    | 2173.95                        | 712.59                        | 712.59                        | 2169.73                  | 307.04                          | 2144.39                  | 344.18                   | 83.76                        | 0.00                               | 5.80                          | 219.50                                     |

1st Qtr Notes

Weather Station - Battery failed

Pond Transducer cable corroded

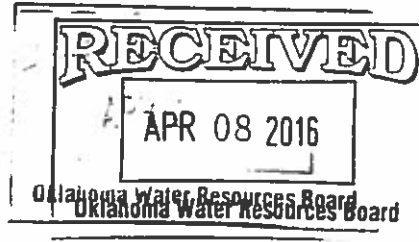
2nd Qtr Notes

New weather station installed

3rd Qtr Notes

Corrected Data Typo on March 2015 Pit diversion total

Well transducer pinched by Well cable



MILL CREEK 2015 AUGMENTATION and GAUGE DATA

| Start Date  | Start Time | Stop Date                  | Stop Time | Begin Reading | End Reading | Ac - Ft pumped | Mill Creek Stream gauge Reading | Time Read | Stream height | Stream flow |
|---|------------|----------------------------|-----------|---------------|-------------|----------------|---------------------------------|-----------|---------------|-------------|
| 3/4/2015  | 7:40 AM    | 3/6/2015                   | 3:15 PM   | 572490000     | 579700000   | 22.13          | USGS                            | 7:30 AM   | < 6           | 2.8         |
| 3/9/2015  | 6:30 AM    | 3/11/2015                  | 1:30 PM   | 579700000     | 585830000   | 18.81          | USGS                            | 6:00 AM   | < 6           | 3.7         |
| 3/12/2015   | 6:55 AM    | 3/14/2015                  | 1:10 PM   | 585830000     | 593240000   | 22.74          | USGS                            | 6:00 AM   | < 6           | 4.2         |
| 3/18/2015   | 8:30 AM    | 3/18/2015                  | 9:05 AM   | 593240000     | 593330000   | 0.28           | USGS                            | 8:00 AM   | < 6           | 5.1         |
| 3/26/2015   | 4:45 PM    | 3/29/2015                  | 9:00 PM   | 617010000     | 626960000   | 30.54          | USGS                            | 4:00 PM   | 6.13          | 9.7         |
| Note: Flowrate dropped to 8.7 cfs by 6pm on March 26, 2015. Flowrate stayed below 9.0 for duration of augmentation. |            |                            |           |               |             |                |                                 |           |               |             |
| 3/30/2015   | 1:00 PM    | 3/31/2015                  | 3:30 PM   | 626960000     | 630400000   | 10.56          | USGS                            | 12:30 PM  | 6.01          | 5.6         |
| 4/4/2015  | 7:50 AM    | 4/11/2015                  | 8:20 AM   | 630400000     | 652340000   | 67.33          | USGS                            | 7:00 AM   | < 6           | 5.1         |
| 4/13/2015   | 12:05 PM   | 4/14/2015                  | 12:00 AM  | 652340000     | 656570000   | 12.98          | USGS                            | 11:30 AM  | 8.2           | 318         |
| 4/15/2015   | 7:15 AM    | 4/15/2015                  | 1:50 PM   | 656570000     | 657540000   | 2.98           | USGS                            | 7:00 AM   | 6.3           | 17          |
| 5/1/2015  | 7:50 AM    | 5/2/2015                   | 8:00 PM   | 693210000     | 695160000   | 5.98           | USGS                            | 7:30 AM   | 6.14          | 9.8         |
| 5/4/2015  | 6:10 AM    | 5/5/2015                   | 8:00 AM   | 695160000     | 700340000   | 15.90          | USGS                            | 5:30 AM   | 6.03          | 6.3         |
| 5/6/2015  | 11:30 AM   | 5/7/2015                   | 8:55 AM   | 700340000     | 703100000   | 8.47           | USGS                            | 11:00 AM  | 6.67          | 40          |
| June 2015   |            | No Augmentation this month |           |               |             |                |                                 |           |               |             |
| July 2015   |            | No Augmentation this month |           |               |             |                |                                 |           |               |             |
| August 2015   |            | No Augmentation this month |           |               |             |                |                                 |           |               |             |
| September 2015  |            | No Augmentation this month |           |               |             |                |                                 |           |               |             |

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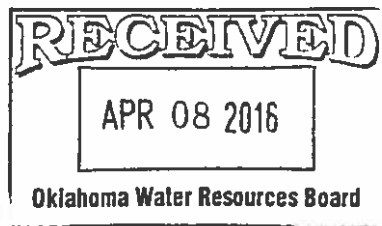
October Precipitation/Evaporation Data

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

| Date             | Quarry area |             | Fringe area |             | Daily |
|------------------|-------------|-------------|-------------|-------------|-------|
|                  | Precip, in. | Runoff, in. | Precip, in. | Runoff, in. |       |
| 1-Oct            | 0.12        | 0.04        | 0.00        | 0.07        | 0.07  |
| 2-Oct            | 0.00        | 0.00        | 0.00        | 0.18        | 0.18  |
| 3-Oct            | 0.00        | 0.00        | 0.00        | 0.15        | 0.15  |
| 4-Oct            | 0.00        | 0.00        | 0.00        | 0.15        | 0.15  |
| 5-Oct            | 0.00        | 0.00        | 0.00        | 0.08        | 0.08  |
| 6-Oct            | 0.00        | 0.00        | 0.00        | 0.13        | 0.13  |
| 7-Oct            | 0.00        | 0.00        | 0.00        | 0.14        | 0.14  |
| 8-Oct            | 0.00        | 0.00        | 0.00        | 0.15        | 0.15  |
| 9-Oct            | 0.00        | 0.00        | 0.00        | 0.06        | 0.06  |
| 10-Oct           | 0.00        | 0.00        | 0.00        | 0.13        | 0.13  |
| 11-Oct           | 0.00        | 0.00        | 0.00        | 0.29        | 0.29  |
| 12-Oct           | 0.00        | 0.00        | 0.00        | 0.24        | 0.24  |
| 13-Oct           | 0.00        | 0.00        | 0.00        | 0.15        | 0.15  |
| 14-Oct           | 0.00        | 0.00        | 0.00        | 0.21        | 0.21  |
| 15-Oct           | 0.00        | 0.00        | 0.00        | 0.24        | 0.24  |
| 16-Oct           | 0.00        | 0.00        | 0.00        | 0.23        | 0.23  |
| 17-Oct           | 0.00        | 0.00        | 0.00        | 0.2         | 0.2   |
| 18-Oct           | 0.00        | 0.00        | 0.00        | 0.31        | 0.31  |
| 19-Oct           | 0.00        | 0.00        | 0.00        | 0.34        | 0.34  |
| 20-Oct           | 0.00        | 0.00        | 0.00        | 0.27        | 0.27  |
| 21-Oct           | 0.00        | 0.00        | 0.00        | 0.19        | 0.19  |
| 22-Oct           | 2.08        | 2.08        | 1.03        | 0.11        | 1.03  |
| 23-Oct           | 0.12        | 0.12        | 0.00        | 0.06        | 0.06  |
| 24-Oct           | 1.61        | 1.61        | 0.66        | 0.1         | 0.66  |
| 25-Oct           | 0.00        | 0.00        | 0.00        | 0.17        | 0.17  |
| 26-Oct           | 0.00        | 0.00        | 0.00        | 0.14        | 0.14  |
| 27-Oct           | 0.00        | 0.00        | 0.00        | 0.09        | 0.09  |
| 28-Oct           | 0.00        | 0.00        | 0.00        | 0.12        | 0.12  |
| 29-Oct           | 0.00        | 0.00        | 0.00        | 0.11        | 0.11  |
| 30-Oct           | 3.12        | 3.12        | 1.93        | 0.07        | 1.93  |
| 31-Oct           | 0.00        | 0.00        | 0.00        | 0.03        | 0.03  |
| sum              | 7.05        | 7.05        | 3.62        | 4.91        | 3.62  |
| Volume, ac-ft    |             | 31.67       |             | 36.79       | 31.67 |
| Total Vol, ac-ft |             | 88.46       |             |             | 88.46 |

Runoff formula  
 $P_e = (P - 0.2S)^2 / (P + 0.8S)$   
 $S = (1000/CN) - 10$

Blue cells contain form



\* Used Mesonet Pan Evaporation - Sulphur

November Precipitation/Evaporation Data

| PIT RUNOFF ASSUMPTIONS                  |                               |
|---|-------------------------------|
| Hydrologic Soil Group                   | D                             |
| Land Use                                | gravel road                   |
| AMC Condition                           | II (ave)                      |
| CN (pit fringe)                         | 88                            |
| CN (pit)                                | 100                           |
| S (pit fringe)                          | 1853886                       |
| S (pit)                                 | 0                             |
| Pit - Direct Interception (>95 ft deep) | 53.91                         |
| Pit fringe (area drains to pit)         | 122.04                        |
| Drainage to Pit (total area)            | 175945                        |
|   | area draining into pit        |
|   | area with direct interception |
|   | area draining into pit        |
|   | area with direct interception |
|   | subject to refinement         |
|   | subject to refinement         |

| Date             | Quarry area |             | Fringe area |                  | Daily |
|------------------|-------------|-------------|-------------|------------------|-------|
|                  | Precip, in. | Runoff, in. | Runoff, in. | Evaporation, in. |       |
| 1-Nov            | 0.00        | 0.00        | 0.00        | 0.06             | 0.06  |
| 2-Nov            | 0.00        | 0.00        | 0.00        | 0.11             | 0.11  |
| 3-Nov            | 0.00        | 0.00        | 0.00        | 0.11             | 0.11  |
| 4-Nov            | 0.00        | 0.00        | 0.00        | 0.08             | 0.08  |
| 5-Nov            | 0.47        | 0.47        | 0.00        | 0.04             | 0.04  |
| 6-Nov            | 0.00        | 0.00        | 0.00        | 0.12             | 0.12  |
| 7-Nov            | 0.04        | 0.04        | 0.00        | 0.16             | 0.16  |
| 8-Nov            | 0.00        | 0.00        | 0.00        | 0.01             | 0.01  |
| 9-Nov            | 0.00        | 0.00        | 0.00        | 0.12             | 0.12  |
| 10-Nov           | 0.00        | 0.00        | 0.00        | 0.13             | 0.13  |
| 11-Nov           | 0.00        | 0.00        | 0.00        | 0.25             | 0.25  |
| 12-Nov           | 0.00        | 0.00        | 0.00        | 0.13             | 0.13  |
| 13-Nov           | 0.00        | 0.00        | 0.00        | 0.11             | 0.11  |
| 14-Nov           | 0.00        | 0.00        | 0.00        | 0.12             | 0.12  |
| 15-Nov           | 0.20        | 0.20        | 0.00        | 0.08             | 0.08  |
| 16-Nov           | 0.36        | 0.36        | 0.00        | 0.05             | 0.05  |
| 17-Nov           | 1.38        | 1.38        | 0.60        | 0.18             | 0.18  |
| 18-Nov           | 0.00        | 0.00        | 0.00        | 0.18             | 0.18  |
| 19-Nov           | 0.00        | 0.00        | 0.00        | 0.15             | 0.15  |
| 20-Nov           | 0.00        | 0.00        | 0.00        | 0.17             | 0.17  |
| 21-Nov           | 0.00        | 0.00        | 0.00        | 0.15             | 0.15  |
| 22-Nov           | 0.00        | 0.00        | 0.00        | 0.08             | 0.08  |
| 23-Nov           | 0.00        | 0.00        | 0.00        | 0.12             | 0.12  |
| 24-Nov           | 0.00        | 0.00        | 0.00        | 0.12             | 0.12  |
| 25-Nov           | 0.00        | 0.00        | 0.00        | 0.07             | 0.07  |
| 26-Nov           | 0.92        | 0.92        | 0.00        | -0.02            | -0.02 |
| 27-Nov           | 2.71        | 2.71        | 1.68        | 0.03             | 0.03  |
| 28-Nov           | 1.04        | 1.04        | 0.00        | 0.02             | 0.02  |
| 29-Nov           | 0.52        | 0.52        | 0.00        | 0.02             | 0.02  |
| 30-Nov           | 0.04        | 0.04        | 0.00        | 0.02             | 0.02  |
| sum              | 7.68        | 7.68        | 2.06        | 3.04             | 3.04  |
| Volume, ac-ft    |             |             | 34.80       | 20.94            |       |
| Total Vol, ac-ft |             |             | 55.74       |                  |       |

Runoff formula  
 $Pe = (P - 0.2S)^2 / (P + 0.8S)$   
 $S = (1000/CN) - 10$

Blue cells contain form

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\* Used Mesonet Pan Evaporation - Sulphur

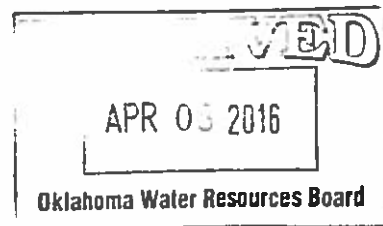
December Precipitation/Evaporation Data

| PIT RUNOFF ASSUMPTIONS                  |                               |
|---|-------------------------------|
| Hydrologic Soil Group                   | D                             |
| Land Use                                | gravel road                   |
| AMC Condition                           | II (ave)                      |
| CN (pit fringe)                         | 88                            |
| CN (pit)                                | 100                           |
| S (pit fringe)                          | 1.35338                       |
| S (pit)                                 | 0                             |
| Pit - Direct Interception (>95 ft deep) | 53.91                         |
| Pit fringe (area drains to pit)         | 122.04                        |
| Drainage to Pit (total area)            | 175.95                        |
|   | subject to refinement         |
|   | subject to refinement         |
|   | subject to refinement         |
|   | area with direct interception |
|   | area with direct interception |
|   | area draining into pit        |

| Date             | Quarry area |             | Fringe area |                  | Daily |
|------------------|-------------|-------------|-------------|------------------|-------|
|                  | Precip, in. | Runoff, in. | Runoff, in. | Evaporation, in. |       |
| 1-Dec            | 0.00        | 0.00        | 0.00        | 0.04             | 0.04  |
| 2-Dec            | 0.00        | 0.00        | 0.00        | 0.06             | 0.06  |
| 3-Dec            | 0.00        | 0.00        | 0.00        | 0.07             | 0.07  |
| 4-Dec            | 0.00        | 0.00        | 0.00        | 0.07             | 0.07  |
| 5-Dec            | 0.00        | 0.00        | 0.00        | 0.11             | 0.11  |
| 6-Dec            | 0.00        | 0.00        | 0.00        | 0.09             | 0.09  |
| 7-Dec            | 0.00        | 0.00        | 0.00        | 0.09             | 0.09  |
| 8-Dec            | 0.00        | 0.00        | 0.00        | 0.15             | 0.15  |
| 9-Dec            | 0.00        | 0.00        | 0.00        | 0.1              | 0.1   |
| 10-Dec           | 0.00        | 0.00        | 0.00        | 0.09             | 0.09  |
| 11-Dec           | 0.00        | 0.00        | 0.00        | 0.12             | 0.12  |
| 12-Dec           | 0.00        | 0.00        | 0.00        | 0.1              | 0.1   |
| 13-Dec           | 0.48        | 0.48        | 0.00        | 0.1              | 0.1   |
| 14-Dec           | 0.00        | 0.00        | 0.00        | 0.15             | 0.15  |
| 15-Dec           | 0.00        | 0.00        | 0.00        | 0.11             | 0.11  |
| 16-Dec           | 0.00        | 0.00        | 0.00        | 0.07             | 0.07  |
| 17-Dec           | 0.00        | 0.00        | 0.00        | 0.08             | 0.08  |
| 18-Dec           | 0.00        | 0.00        | 0.00        | 0.05             | 0.05  |
| 19-Dec           | 0.00        | 0.00        | 0.00        | 0.15             | 0.15  |
| 20-Dec           | 0.00        | 0.00        | 0.00        | 0.11             | 0.11  |
| 21-Dec           | 0.00        | 0.00        | 0.00        | 0.07             | 0.07  |
| 22-Dec           | 0.00        | 0.00        | 0.00        | 0.17             | 0.17  |
| 23-Dec           | 0.00        | 0.00        | 0.00        | 0.14             | 0.14  |
| 24-Dec           | 0.00        | 0.00        | 0.00        | 0.14             | 0.14  |
| 25-Dec           | 0.00        | 0.00        | 0.00        | 0.15             | 0.15  |
| 26-Dec           | 1.90        | 1.90        | 0.89        | 0.04             | 0.04  |
| 27-Dec           | 1.68        | 1.68        | 0.73        | 0.05             | 0.05  |
| 28-Dec           | 1.36        | 1.36        | 0.00        | 0.02             | 0.02  |
| 29-Dec           | 0.04        | 0.04        | 0.00        | 0.03             | 0.03  |
| 30-Dec           | 0.00        | 0.00        | 0.00        | 0.05             | 0.05  |
| 31-Dec           | 0.00        | 0.00        | 0.00        | 0.05             | 0.05  |
| sum              | 6.46        | 6.46        | 1.60        | 2.82             | 2.82  |
| Volume, ac-ft    |             | 24.63       |             | 16.27            |       |
| Total Vol, ac-ft |             | 40.80       |             |                  |       |

Runoff formula  
 $Pe = (P - 0.2S)^2 / (P + 0.8S)$   
 $S = (1000 / CN) - 10$

Blue cells contain form



\* Used Mesonet Pan Evaporation - Sulphur

Monthly Water Data, ac-ft

|              | Water Diverted From Pit | Storm Water Entering Pit | Net Sump Volume Change | Groundwater Sent to Holding Basin | Groundwater Sent to Infiltration Areas | Groundwater Used For Stream Augmentation | Evaporation | Moisture Content of Product Shipped | Water Truck Usage | Misc Pit Water Use On Site | Misc Pit Water Use Off Site | Production Well Permit 2002-602 | North Well Permit 20060601A |
|--------------|-------------------------|--------------------------|------------------------|-----------------------------------|--|--|-------------|-------------------------------------|-------------------|----------------------------|-----------------------------|---------------------------------|-----------------------------|
| January-16   | 165.63                  | 7.10                     | 1.67                   | 0.00                              | 165.63                                 | 0.00                                     | 1.97        | 1.90                                | 0.44              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| February-16  | 165.61                  | 3.41                     | -0.57                  | 0.00                              | 165.61                                 | 0.00                                     | 1.94        | 2.22                                | 0.39              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| March-16     | 192.54                  | 16.17                    | 1.06                   | 46.28                             | 41.22                                  | 105.05                                   | 2.94        | 3.36                                | 0.61              | 0.00                       | 0.61                        | 0.00                            | 0.00                        |
| April-16     | 181.71                  | 38.77                    | -1.05                  | 0.00                              | 98.42                                  | 83.29                                    | 4.23        | 2.28                                | 0.00              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| May-16       | 370.11                  | 225.94                   | 4.82                   | 0.00                              | 339.78                                 | 30.35                                    | 4.03        | 1.62                                | 0.00              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| June-16      | 318.09                  | 104.52                   | 2.78                   | 0.00                              | 318.09                                 | 0.00                                     | 6.22        | 1.30                                | 0.77              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| July-16      | 293.45                  | 144.71                   | -0.84                  | 38.51                             | 254.93                                 | 0.00                                     | 5.14        | 3.83                                | 0.66              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| August-16    | 232.68                  | 1.44                     | 3.94                   | 49.26                             | 183.42                                 | 0.00                                     | 3.07        | 4.84                                | 1.44              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| September-16 | 255.02                  | 7.82                     | 9.41                   | 105.26                            | 149.76                                 | 0.00                                     | 2.59        | 4.41                                | 2.10              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| October-16   | 283.38                  | 68.46                    | -2.04                  | 32.04                             | 177.13                                 | 74.21                                    | 3.75        | 3.65                                | 1.77              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| November-16  | 103.42                  | 55.44                    | -5.03                  | 0.00                              | 103.42                                 | 0.00                                     | 2.32        | 2.28                                | 1.55              | 0.00                       | 0.00                        | 0.00                            | 0.00                        |
| December-16  | 320.67                  | 40.80                    | -4.92                  | 35.69                             | 137.55                                 | 51.28                                    | 2.15        | 1.43                                | 0.66              | 0.00                       | 0.00                        | 1.44                            | 0.00                        |

Pit Sump Volumes

|              | West Sump                    |           |            |                           | 905 Sump           |                              |           |            | New Freshwater Pond       |                    |                              |           | Total Evaporation, ac-ft |            |                           |
|--------------|------------------------------|-----------|------------|---------------------------|--------------------|------------------------------|-----------|------------|---------------------------|--------------------|------------------------------|-----------|--------------------------|------------|---------------------------|
|              | Month End Depth-to-Water, Ft | Width, Ft | Length, Ft | Sump Volume Change, Ac-ft | Evaporation, ac-ft | Month End Depth-to-Water, Ft | Width, Ft | Length, Ft | Sump Volume Change, Ac-ft | Evaporation, ac-ft | Month End Depth-to-Water, Ft | Width, Ft |                          | Length, Ft | Pond Volume Change, Ac-ft |
| January-16   | 15.295                       | 125       | 325        | 3.67                      | 0.21               | 4                            | 50        | 50         | 0.00                      | 0.01               | 4.3                          | 475       | 750                      | 1.68       | 2.15                      |
| February-16  | 22.34                        | 125       | 325        | 0.57                      | 0.22               | 4                            | 50        | 50         | 0.00                      | 0.01               | 6.41                         | 475       | 750                      | 1.76       | 2.18                      |
| March-16     | 18.07                        | 125       | 325        | 3.08                      | 0.33               | 4                            | 50        | 50         | 0.00                      | 0.02               | 5.98                         | 475       | 750                      | 1.82       | 2.20                      |
| April-16     | 6.58                         | 125       | 325        | 1.00                      | 0.45               | 4                            | 50        | 50         | 0.00                      | 0.03               | 8.42                         | 475       | 750                      | 1.89       | 2.23                      |
| May-16       | 11.747                       | 125       | 325        | 2.82                      | 0.41               | 4                            | 50        | 50         | 0.00                      | 0.03               | 5.7                          | 475       | 750                      | 1.95       | 2.25                      |
| June-16      | 6.77                         | 125       | 325        | 2.78                      | 0.63               | 4                            | 50        | 50         | 0.00                      | 0.04               | 6.11                         | 475       | 750                      | 2.00       | 2.27                      |
| July-16      | 9.674                        | 125       | 325        | 0.94                      | 0.68               | 4                            | 50        | 50         | 0.00                      | 0.03               | 5.344                        | 475       | 750                      | 2.06       | 2.30                      |
| August-16    | 6.505                        | 125       | 325        | 2.84                      | 0.31               | 4                            | 50        | 50         | 0.00                      | 0.02               | 6.437                        | 475       | 750                      | 2.11       | 2.33                      |
| September-16 | 13.382                       | 125       | 325        | 0.31                      | 0.28               | 4                            | 50        | 50         | 0.00                      | 0.02               | 4.498                        | 475       | 750                      | 2.16       | 2.36                      |
| October-16   | 15.576                       | 125       | 325        | 2.05                      | 0.38               | 4                            | 50        | 50         | 0.00                      | 0.02               | 5.312                        | 475       | 750                      | 2.21       | 2.39                      |
| November-16  | 10.18                        | 125       | 325        | 5.13                      | 0.24               | 4                            | 50        | 50         | 0.00                      | 0.01               | 7.012                        | 475       | 750                      | 2.26       | 2.42                      |
| December-16  | 14.817                       | 125       | 325        | -4.00                     | -0.22              | 4                            | 50        | 50         | 0.00                      | 0.01               | 4.184                        | 475       | 750                      | 2.31       | 2.47                      |

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October Shipments

November Shipments

December Shipments

|                   | Tons Shipped | Ac-ft of water shipped | Tons Shipped | Ac-ft of water shipped | Tons Shipped | Ac-ft of water shipped |
|-------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|
| Base Products     | 2,964        | 0.073                  | 1,122        | 0.027                  | 1,746        | 0.043                  |
| Coarse Aggregates | 229,311      | 2.756                  | 130,354      | 1.567                  | 84,039       | 1.010                  |
| Fine Aggregates   | 25,774       | 0.819                  | 21,724       | 0.690                  | 11,870       | 0.877                  |
|                   | 258,049      | 3.648                  | 153,200      | 2.284                  | 97,655       | 1.430                  |

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## Cogburn, Matt

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**From:** Wilkins, Kent  
**Sent:** Friday, April 08, 2016 8:07 AM  
**To:** Cogburn, Matt  
**Subject:** FW: 4th Quarter 2015 Water Reporting - North Troy Quarry - Vulcan Materials- TRP  
**Attachments:** NTROY Well and Stream Data.zip; 1.0 4th QTR report 2015 - OWRB.pdf; 1.1 Annual report 2015 - OWRB.pdf; 2.0 Creek Augment Report 4Q - Annual 2015.pdf; 3.0 N TROY REPORT 4Q OCT 2015.pdf; 4.0 N TROY REPORT 4Q NOV 2015.pdf; 5.0 N TROY REPORT 4Q DEC 2015.pdf; 6.0 N TROY REPORT 4Q 2015-WATER DATA.pdf; 7.0 N TROY REPORT 4Q 2015-SHIPPED.pdf; 8.0 NTROY - 4Q Consolidated report 2015.pdf

FYI

**From:** Saucedo, Eddie [<mailto:saucedoe@vmcmail.com>]  
**Sent:** Friday, April 08, 2016 2:24 AM  
**To:** Wilkins, Kent; Jennifer Back; Rick Wicker; Peter Burck; Mackey, Anthony  
**Cc:** Eddie Saucedo  
**Subject:** Re: 4th Quarter 2015 Water Reporting - North Troy Quarry - Vulcan Materials- TRP

Attached is the 4th Quarter and Annual Water summary report.

Eddie Saucedo

Environmental Manager | Southwest Division

Vulcan Materials Company

Office: 210-524-3543 | Mobile: 210-557-9870 | Fax: 210-524-3556