



April 30, 2015

Ms. Susan Hobbs, Library Manager
Major Hillard Library
824 Old George Washington Highway North
Chesapeake, VA 23323

**RE: Data Repository
Chesapeake Energy Center
2701 Veeco Street
Chesapeake, Virginia 23323**

Dear Ms. Hobbs:

Please find attached, one document related to Dominion's Chesapeake Energy Center (CEC) industrial landfill. The Major Hillard Library is the public data repository for information submitted by Dominion to the Virginia Department of Environmental Quality relating to the CEC landfill Corrective Action Monitoring Program. Throughout the life of the program, Dominion will place on file with the Library copies of associated materials, which should be made available for public viewing until Dominion provides notice. Please include the following document with related CEC materials currently being held for public viewing at the library:

*Summary of Corrective Action Monitoring Data
2015 1st Semi-Annual Monitoring (March 3-4, 2015)
Chesapeake Energy Center Landfill - Permit No. 440
Chesapeake, Virginia*

Thank you for your assistance and please do not hesitate to call Mr. Donald Hintz of Dominion's Electric Environmental Services Department at (804) 273-3552 should there be any questions and/or comments.

Sincerely,

A handwritten signature in blue ink that reads "Cathy C. Taylor".

Cathy C. Taylor
Director, Environmental Services

Attachment

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2015 1st Semi-Annual Monitoring (March 3-4, 2015)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

| Parameter Name | LOD | LOQ | MW-5 | MW-5D | CECW-1 | CECW-1D | CECW-2 | CECW-2D | CECW-3 | CECW-3D | CECW-6I | CECW-6D | CECW-8 | CECW-8D | CECW-10R | CECW-15 | PO-8 | PO-8D | PO-10 | PO-10D | MW-5 DUP | FIELD BLANK |
|--|-------|-------|--------------|--------------|--------------|-------------|--------------|-------------|--------------|---------------|--------------|--------------|----------------|--------------|--------------|--------------|---------------|--------------|-------------|--------------|--------------|-------------|
| Sample Date | | | 3/3/2015 | 3/4/2015 | 3/3/2015 | 3/4/2015 | 3/3/2015 | 3/4/2015 | 3/3/2015 | 3/4/2015 | 3/3/2015 | 3/4/2015 | 3/4/2015 | 3/4/2015 | 3/4/2015 | 3/4/2015 | 3/3/2015 | 3/4/2015 | 3/3/2015 | 3/4/2015 | 3/3/2015 | 3/3/2015 |
| Primary Performance Parameters (µg/L) | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic, total | 2 | 10 | 4 J | <2 | 33 | 24 | 21 | 99 | 1,287 | 22 | 328 | 19 | 4 J | 4 J | 37 | <2 | 13 | 2 J | 96 | 44 | 4 J | <2 |
| Arsenic, dissolved | 2 | 10 | 3 J | <2 | 17 | 24 | 3 J | 96 | 29 | 14 | 214 | 20 | 4 J | 3 J | 37 | <2 | 14 | <2 | 75 | 27 | 3 J | <2 |
| Arsenic III | 0.002 | 0.080 | 0.884 | 1.24 | 30.0 | 34.6 | 1.99 | 99.1 | 2.49 | 5.18 | 235 | 22.2 | 1.62 | 3.40 | 4.27 | 0.523 | 0.879 | 0.582 | 30.6 | 41.8 | 0.901 | <0.002 |
| Arsenic V | 0.002 | 0.096 | 1.84 | 0.284 | 1.82 | 1.55 | 0.827 | 4.21 | 693 | 16.8 | 6.98 | 0.794 | <0.002 U | 1.10 | 1.27 | 0.226 | <0.002 U | 0.486 | 8.82 | 4.59 | 1.80 | <0.002 |
| Beryllium, total | 0.2 | 1 | <0.2 | <0.2 | <0.2 | <0.2 | 0.3 J | <0.2 | 1.1 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Beryllium, dissolved | 0.2 | 1 | <0.2 | <0.2 | <0.2 | <0.2 | 0.2 J | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Cobalt, total | 0.6 | 3 | <0.6 | 40.6 | <0.6 | <0.6 | 8.5 | <0.6 | 214.4 | 7.4 | <0.6 | 5.1 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | 2.1 J | <0.6 | <0.6 | <0.6 | <0.6 |
| Cobalt, dissolved | 0.6 | 3 | <0.6 | 37.5 | <0.6 | <0.6 | 3.7 | <0.6 | 4.1 | 1.3 J | <0.6 | 4.2 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | 1.4 J | <0.6 | <0.6 | <0.6 | <0.6 |
| Sulfide | 500 | 1,000 | <500 | <500 | 9,190 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | 3,260 | <500 | <500 | <500 | <500 | 2,520 | <500 | <500 |
| Sulfide, dissolved | 140 | 1,000 | <140 | <140 | <140 | <140 | 3,610 | <140 | <140 | <140 | <140 | <140 | 233,000 | <140 | <140 | <140 | 8,610 | <140 | <140 | <140 | <140 | <140 |
| Performance Parameters (mg/L) | | | | | | | | | | | | | | | | | | | | | | |
| Iron, total | 0.05 | 0.25 | 1.39 | 64.78 | 4.62 | 7.64 | 33.26 | 8.63 | 36.47 | 0.62 | 11.96 | 8.67 | 1.35 | 21.36 | 0.62 | 21.28 | 0.08 J | 1.67 | 0.39 | 0.31 | 1.32 | <0.05 |
| Iron, dissolved | 0.05 | 0.25 | 0.87 | 70.98 | 4.60 | 7.90 | 17.45 | 8.94 | 0.46 | 0.07 J | 11.02 | 8.66 | 0.13 J | 20.58 | 0.52 | 18.50 | <0.05 | 0.68 | 0.27 | 0.27 | 0.86 | <0.05 |
| Manganese | 0.02 | 0.05 | <0.02 | 1.22 | 0.25 | 0.44 | 0.38 | 0.32 | 2.84 | 0.22 | 0.34 | 0.93 | 0.09 | 0.34 | 0.18 | 0.35 | 0.45 | 0.08 | 0.17 | 0.09 | <0.02 | <0.02 |
| Field Measurements | | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen (mg/L) | N/A | N/A | 0.93 | 0.66 | 0.20 | 0.26 | 0.18 | 0.23 | 0.81 | 1.16 | 0.39 | 0.58 | 0.60 | 0.46 | 0.66 | 0.45 | 0.82 | 0.65 | 0.47 | 0.34 | 0.94 | -- |
| Oxidation Reduction Potential (mV) | N/A | N/A | 62 | 13 | -180 | -57 | -268 | -203 | -195 | -23 | -192 | 31 | -338 | -42 | -274 | 68 | -241 | 18 | -260 | -144 | 61 | -- |
| pH (S.U.) | N/A | N/A | 5.84 | 5.97 | 6.85 | 6.78 | 6.40 | 6.87 | 6.85 | 6.98 | 6.76 | 5.52 | 7.47 | 6.44 | 6.85 | 5.04 | 7.22 | 6.41 | 7.08 | 7.11 | 5.84 | -- |
| Specific Conductance (uS/cm) | N/A | N/A | 246 | 8210 | 5850 | 19200 | 12900 | 28600 | 9880 | 10510 | 8830 | 20100 | 29300 | 29900 | 22900 | 29600 | 3870 | 3230 | 24700 | 27200 | 246 | -- |
| Temperature (Degrees Celsius) | N/A | N/A | 13.02 | 17.99 | 14.37 | 16.63 | 14.54 | 16.63 | 15.48 | 16.77 | 17.16 | 16.89 | 8.59 | 14.66 | 9.68 | 14.37 | 13.24 | 16.63 | 10.15 | 14.46 | 13.05 | -- |
| Turbidity (NTU) | N/A | N/A | 15.4 | 1.70 | 3.90 | 2.33 | 14.8 | 9.90 | 13.17 | 10.1 | 0.54 | 3.23 | 8.75 | 9.31 | 3.54 | 5.37 | 1.08 | 3.56 | 1.18 | 2.17 | 15.7 | -- |

Surface Water

| Parameter Name | LOD | LOQ | SW-1 | SW-2 | SW-3 | SW-4 | SW-4 DUP | SW FIELD BLK |
|--|-------|------|--------------|--------------|--------------|--------------|--------------|--------------|
| Sample Date | | | 3/3/2015 | 3/3/2015 | 3/3/2015 | 3/3/2015 | 3/3/2015 | 3/3/2015 |
| Primary Constituents (µg/L) | | | | | | | | |
| Arsenic, total | 2 | 10 | <2 | <2 | <2 | <2 | <2 | <2 |
| Arsenic III | 0.002 | 0.11 | 0.259 | 0.132 | 0.108 | 0.518 | 0.596 | <0.002 |
| Arsenic V | 0.002 | 0.09 | 0.233 | 0.190 | 0.124 | 1.53 | 1.90 | <0.002 |
| Beryllium, total | 0.2 | 1 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Cobalt, total | 0.6 | 3 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 |
| Sulfide | 500 | 1000 | <500 | <500 | <500 | <500 | <500 | <500 |
| Sulfide, dissolved | 140 | 1000 | <140 | <140 | <140 | <140 | <140 | <140 |
| Water Quality Parameters (mg/L) | | | | | | | | |
| Iron, total | 0.05 | 0.25 | 0.79 | 0.94 | 0.95 | 1.22 | 1.05 | <0.05 |
| Total Suspended Solids | 1 | 1 | 7.9 | 17 | 10.2 | 12.8 | 13 | <1 |
| Field Measurements | | | | | | | | |
| Dissolved Oxygen (mg/L) | N/A | N/A | 11.88 | 10 | 10.35 | 11.9 | 10.91 | -- |
| Oxidation Reduction Potential (mV) | N/A | N/A | 185 | 179 | 182 | 195 | 191 | -- |
| pH (S.U.) | N/A | N/A | 6.09 | 6.07 | 5.89 | 5.75 | 5.72 | -- |
| Specific Conductance (uS/cm) | N/A | N/A | 12110 | 10540 | 7750 | 7980 | 7980 | -- |
| Temperature (Degrees Celsius) | N/A | N/A | 4.52 | 4.8 | 4.39 | 4.75 | 4.76 | -- |
| Turbidity (NTU) | N/A | N/A | 10.6 | 16.1 | 10.9 | 10.7 | 10.7 | -- |

Notes:

LOD = Limit of detection
 LOQ = Limit of quantitation
 mg/L = Milligrams per liter
 mV = Millivolts
 N/A = Not applicable
 NTU = Nephelometric Turbidity Units
 S.U. = Standard units
 µg/L = Micrograms per liter
 uS/cm = MicroSiemens per centimeter
Bold font = Detected concentration

Data Qualifiers:

J = Concentration is between LOD and LOQ, and is considered estimated.
 U = Not detected.