



January 25, 2017

Library Manager
Major Hillard Library
824 Old George Washington Highway North
Chesapeake, VA 23323

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

Dear Library Manager:

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
2016 2nd Semi-Annual Monitoring (September 13-14, 2016)
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 Generation Environmental Services Department at (804) 273-3552 should there be any questions and/or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Paula A. Hamel". The signature is fluid and cursive, written over a white background.

Paula A. Hamel
Director, Generation Environmental Services

Attachment

Data Repository
Chesapeake Energy Center
Chesapeake, Virginia

cc (cover letter only):

Geoff Christe
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Rachel Patton
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Table 1
Summary of Corrective Action Monitoring Data
2016 2nd Semi-Annual Monitoring (September 13-14, 2016)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Parameter Name	PO-10 Sample ID: Sample Date: 9/13/2016				PO-10D Sample ID: Sample Date: 9/14/2016				MW-5 DUP Sample ID: Sample Date: 9/13/2016				FIELD BLANK Sample ID: Sample Date: 9/13/2016			
	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ
Primary Performance Parameters (µg/L)																
Arsenic, total	140		10	20	130		10	20	<10		10	20	<10		10	20
Arsenic, dissolved	106		10	20	132		10	20	<10		10	20	<10		10	20
Arsenic III (dissolved)	29.3	0.2	2	2	89.2	0.2	2	2	7.16	0.2	2	2	<0.2 U		0.2	2
Arsenic V (dissolved)	5.88	0.2	2	2	4.78	0.2	2	2	2.71	0.2	2	2	<0.2 U		0.2	2
Beryllium, total	<1		1	4	<1		1	4	<1		1	4	<1		1	4
Beryllium, dissolved	<2		2	4	<2		2	4	<2		2	4	<2		2	4
Cobalt, total	<2		2	4	<2		2	4	<2		2	4	<2		2	4
Cobalt, dissolved	<2		2	4	<2		2	4	<2		2	4	<2		2	4
Selenium, total	<2		2	3	<2		2	3	<2		2	3	<2		2	3
Selenium, dissolved	<2		2	3	<2		2	3	<2		2	3	<2		2	3
Sulfide	1,990		500	1,000	<500		500	1,000	<500		500	1,000	<500		500	1,000
Sulfide, dissolved	1,790		140	1,000	<140		140	1,000	<140		140	1,000	<140		140	1,000
Performance Parameters (mg/L)																
Iron, total	0.600		0.005	0.01	0.144		0.005	0.01	0.451		0.005	0.01	<0.005		0.005	0.01
Iron, dissolved	0.292		0.003	0.01	0.142		0.003	0.01	0.448		0.003	0.01	<0.003		0.003	0.01
Manganese	0.0466		0.002	0.01	0.0446		0.002	0.01	0.0102		0.002	0.01	<0.002		0.002	0.01
Field Measurements																
Dissolved Oxygen (mg/L)	0.26		--	--	0.12		--	--	-54		--	--	--		--	--
Oxidation Reduction Potential (mV)	-301		--	--	-281		--	--	-6		--	--	--		--	--
pH (S.U.)	7.20		--	--	7.28		--	--	5.91		--	--	--		--	--
Specific Conductance (µS/cm)	8170		--	--	15100		--	--	325		--	--	--		--	--
Temperature (Degrees Celsius)	22.23		--	--	21.19		--	--	23.00		--	--	--		--	--
Turbidity (NTU)	6.15		--	--	1.31		--	--	15.7		--	--	--		--	--

Surface Water

Parameter Name	SW-1 Sample ID: Sample Date: 9/13/2016				SW-2 Sample ID: Sample Date: 9/13/2016				SW-3 Sample ID: Sample Date: 9/13/2016				SW-4 Sample ID: Sample Date: 9/13/2016				SW-1 DUP Sample ID: Sample Date: 9/13/2016				FIELD BLANK Sample ID: Sample Date: 9/13/2016			
	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ	Result	Qual	LOD	LOQ
Primary Constituents (µg/L)																								
Arsenic, total	3.8		2	2	3.5		2	2	3.3		1	1	3.0		2	2	2.7		2	2	<1		1	1
Arsenic III (dissolved)	0.348 B	0.2	2	2	0.299 B	0.2	2	2	0.366 B	0.2	2	2	<0.2 U	0.2	2	2	0.328 B	0.2	2	2	<0.2 U		0.2	2
Arsenic V (dissolved)	0.874 B	0.2	2	2	1.31 B	0.2	2	2	1.79 B	0.2	2	2	1.22 B	0.2	2	2	1.03 B	0.2	2	2	<0.2 U		0.2	2
Beryllium, total	<2		2	2	<2		2	2	<1		1	1	<2		2	2	<2		2	2	<1		1	1
Cobalt, total	<10		10	10	<10		10	10	<5		5	5	<10		10	10	<10		10	10	<5		5	5
Selenium, total	3.74		2	2	3.80		2	2	3.92		1	1	4.30		2	2	4.28		2	2	<1		1	1
Sulfide	<500		500	1,000	<500		500	1,000	<500		500	1,000	<500		500	1,000	<500		500	1,000	<500		500	1,000
Sulfide, dissolved	<140		140	1,000	<140		140	1,000	<140		140	1,000	<140		140	1,000	<140		140	1,000	<140		140	1,000
Water Quality Parameters (mg/L)																								
Iron, total	1.12		0.125	0.25	1.94		0.125	0.25	0.919		0.125	0.25	0.814		0.125	0.25	1.06		0.125	0.25	<0.005		0.005	0.01
Total Suspended Solids	16.0		1	1	23.1		1	1	7.4		1	1	8.8		1	1	12.4		1	1	<0.005		0.005	0.01
Field Measurements																								
Dissolved Oxygen (mg/L)	8.79		--	--	6.39		--	--	6.19		--	--	6.02		--	--	8.79		--	--	--		--	--
Oxidation Reduction Potential (mV)	54		--	--	42		--	--	64		--	--	59		--	--	54		--	--	--		--	--
pH (S.U.)	7.07		--	--	7.16		--	--	7.25		--	--	7.26		--	--	7.07		--	--	--		--	--
Specific Conductance (µS/cm)	20100		--	--	21100		--	--	24100		--	--	23100		--	--	20100		--	--	--		--	--
Temperature (Degrees Celsius)	29.58		--	--	28.95		--	--	27.63		--	--	27.49		--	--	29.58		--	--	--		--	--
Turbidity (NTU)	9.92		--	--	12.2		--	--	5.06		--	--	4.93		--	--	9.92		--	--	--		--	--

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
 µS/cm = MicroSiemens per centimeter
Bold font = Detected concentration

Laboratory Data Qualifiers (Qual):

J = The reported result is an estimated value.
 U = Not detected.
 B = Detected by the instrument, the result is between the LOD and LOQ. Result is reported and considered an estimate.
 E = Estimated concentration, outside calibration range.