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October 22, 2018

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 Library Manager:

Please find attached, one document related to Dominion Energy's Chesapeake Energy Center (CEC) industrial landfill. The Major Hillard Library is the public data repository for information submitted by Dominion Energy to the Virginia Department of Environmental Quality relating to the CEC landfill Corrective Action Monitoring Program (CAMP). Throughout the life of the program, Dominion Energy will place on file with the Library copies of associated materials, which should be made available for public viewing until Dominion Energy 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
2018 2nd Semi-Annual Monitoring (August 27-29, 2018)
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 Energy's Environmental Department at (804) 273-3552 should there be any questions and/or comments.

Sincerely,


Jason E. Williams
Director, Environmental

Attachment

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia
October 22, 2018*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2018 2nd Semi-Annual Monitoring Event (August 27 - 29, 2018)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Sample ID:	PO-10 8/29/2018				PO-10D 8/29/2018				CECW-10R DUP 8/28/2018				FIELD BLANK 8/27/2018			
	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL
Primary Performance Parameters (µg/L)																
Arsenic, total	79.4		5.0	10.0	207		5.0	10.0	76.9		5.0	10.0	< 5.0		5.0	10.0
Arsenic, dissolved	52.5		5.0	10.0	144		5.0	10.0	42.9		5.0	10.0	< 5.0		5.0	10.0
Arsenic III (dissolved)	17.2		0.400	2.00	22.3		0.400	2.00	11.4 J		0.400	2.00	< 0.400		0.400	2.00
Arsenic V (dissolved)	4.10		0.400	2.00	4.07		0.400	2.00	14.5 J		0.400	2.00	< 0.400		0.400	2.00
Beryllium, total	< 0.50		0.50	1.0	1.6		0.50	1.0	< 0.50		0.50	1.0	< 0.50		0.50	1.0
Beryllium, dissolved	< 0.050		0.050	1.0	0.21 J		0.050	1.0	< 0.050		0.050	1.0	< 0.050		0.050	1.0
Cobalt, total	0.12 J		0.085	0.50	4.9 J		0.85	5.0	0.10 J		0.085	0.50	< 0.085		0.085	0.50
Cobalt, dissolved	< 0.85		0.85	5.0	2.8 J		0.85	5.0	< 0.85		0.85	5.0	< 0.085		0.085	0.50
Selenium, total	< 5.0		5.0	10.0	7.2 J		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0
Selenium, dissolved	< 5.0		5.0	10.0	< 5.0		5.0	10.0	7.1 J		5.0	10.0	< 5.0		5.0	10.0
Sulfide	1,560		800	1,000	1,500		800	1,000	5,370		800	1,000	< 800		800	1,000
Sulfide, dissolved	1,640		800	1,000	< 800		800	1,000	4,120		800	1,000	< 800		800	1,000
Performance Parameters (mg/L)																
Iron, total	0.424		0.0250	0.0500	15.5		0.0250	0.0500	0.448 J		0.0250	0.0500	< 0.0250		0.0250	0.0500
Iron, dissolved	0.102		0.0250	0.0500	1.36		0.0250	0.0500	0.612		0.0250	0.0500	< 0.0250		0.0250	0.0500
Manganese	0.0350		0.0025	0.0050	0.0250		0.0025	0.0050	0.0370		0.0025	0.0050	< 0.0025		0.0025	0.0050
Field Measurements																
Dissolved Oxygen (mg/L)	0.63		0.01	0.01	0.36		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential (mV)	-141.8		0.1	0.1	-248.9		0.1	0.1	--		--	--	--		--	--
pH (S.U.)	7.11		0.10	0.10	7.73		0.10	0.10	--		--	--	--		--	--
Specific Conductance (uS/cm)	3,402		0.1	0.1	2,665		0.1	0.1	--		--	--	--		--	--
Temperature (Degrees Celsius)	21.4		0.01	0.01	21.6		0.01	0.01	--		--	--	--		--	--
Turbidity (NTU)	9.9		0.1	0.1	410.4		0.1	0.1	--		--	--	--		--	--

Surface Water

Sample ID: Sample Date:	SW-1 8/28/2018				SW-2 8/28/2018				SW-3 8/28/2018				SW-4 8/28/2018				SW-4 DUP 8/28/2018				FIELD BLANK 8/28/2018			
	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL
Primary Constituents (µg/L)																								
Arsenic, total	5.0 J		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0	5.2 J		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0
Arsenic III (dissolved)	0.566 J		0.400	2.00	< 0.400		0.400	2.00	< 0.400		0.400	2.00	< 0.400		0.400	2.00	< 0.400		0.400	2.00	< 0.400		0.400	2.00
Arsenic V (dissolved)	1.11 J		0.400	2.00	0.729 J		0.400	2.00	0.833 J		0.400	2.00	0.943 J		0.400	2.00	0.842 J		0.400	2.00	< 0.400		0.400	2.00
Beryllium, total	< 0.50		0.50	1.0	< 0.50		0.50	1.0	< 0.50		0.50	1.0	< 0.50		0.50	1.0	< 0.50		0.50	1.0	< 0.50		0.50	1.0
Cobalt, total	< 0.85		0.85	5.0	< 0.85		0.85	5.0	< 0.85		0.85	5.0	< 0.85		0.85	5.0	< 0.85		0.85	5.0	< 0.085		0.085	0.50
Selenium, total	< 5.0		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0	< 5.0		5.0	10.0
Sulfide	< 800		800	1,000	< 800		800	1,000	< 800		800	1,000	< 800		800	1,000	< 800		800	1,000	< 800		800	1,000
Water Quality Parameters (mg/L)																								
Iron, total	1.62		0.0250	0.0500	0.615		0.0250	0.0500	0.413		0.0250	0.0500	2.36		0.0250	0.0500	1.99		0.0250	0.0500	< 0.0250		0.0250	0.0500
Total Suspended Solids	17.2		2.6	2.6	11.1		1.8	1.8	8.6		2.0	2.0	55.3 J		3.3	3.3	44.6 J		2.9	2.9	< 1.0		1.0	1.0
Field Measurements																								
Dissolved Oxygen (mg/L)	2.75		0.01	0.01	6.16		0.01	0.01	4.25		0.01	0.01	4.07		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential (mV)	62.4		0.1	0.1	28.1		0.1	0.1	49.7		0.1	0.1	11.8		0.1	0.1	--		--	--	--		--	--
pH (S.U.)	6.79		0.10	0.10	7.15		0.10	0.10	6.92		0.10	0.10	6.96		0.10	0.10	--		--	--	--		--	--
Specific Conductance (uS/cm)	25,132		0.1	0.1	22,887		0.1	0.1	26,323		0.1	0.1	27,917		0.1	0.1	--		--	--	--		--	--
Temperature (Degrees Celsius)	30.1		0.01	0.01	32.7		0.01	0.01	30.8		0.01	0.01	29.6		0.01	0.01	--		--	--	--		--	--
Turbidity (NTU)	23.7		0.1	0.1	11.2		0.1	0.1	8.1		0.1	0.1	55.4		0.1	0.1	--		--	--	--		--	--

Notes:

MDL = Method detection limit
 RL = Reporting limit
 mg/L = Milligram per liter
 µg/L = Microgram per liter
 < = Less than or equal to reporting MDL
 NS = Not sampled, insufficient water
 mV = Millivolt
 S.U. = Standard Unit
 uS/cm = MicroSiemen per centimeter
 NTU = Nephelometric Turbidity Unit
Bold font = Detected concentration

Laboratory Data Qualifiers (Qual):

J = The reported result is an estimated value.
 UJ = The reported result is qualified as a non-detect estimated value.