



BY ELECTRONIC MAIL

May 29, 2020

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
2020 1st Semi-Annual Monitoring (March 9-11, 2020)
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,

A handwritten signature in blue ink that reads "Lisa C. Messinger".

Lisa C. Messinger
Director, Environmental Service

Attachment

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia
May 29, 2020*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2020 1st Semi-Annual Monitoring Event (March 9 - 11, 2020)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Sample ID:	PO-10 03/10/2020				PO-10D 03/11/2020				MW-5 DUP 03/09/2020				FIELD BLANK 03/11/2020			
	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL
Primary Performance Parameters (µg/L)																
Antimony, total	< 0.57		0.57	2.0	3.3		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0
Antimony, dissolved	< 0.57		0.57	2.0	1.0 J		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0
Arsenic, total	120		0.75	5.0	190		0.75	5.0	7.5		0.75	5.0	< 0.75		0.75	5.0
Arsenic, dissolved	98		0.75	5.0	180		0.75	5.0	6.7		0.75	5.0	< 0.75		0.75	5.0
Arsenic III (dissolved)	107		15.0	15.0	214		15.0	15.0	4.14		1.00	1.00	< 0.500		0.500	0.500
Arsenic V (dissolved)	< 2.25		2.25	15.0	< 2.25		2.25	15.0	3.38 J		0.600	4.00	0.437 J		0.0750	0.500
Beryllium, total	< 0.31		0.31	1.0	0.38 J		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0
Beryllium, dissolved	< 0.31		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0
Cobalt, total	0.20 J		0.19	1.0	2.3		0.19	1.0	0.45 J		0.19	1.0	< 0.19		0.19	1.0
Cobalt, dissolved	< 0.19		0.19	1.0	< 0.19		0.19	1.0	0.53 J		0.19	1.0	< 0.19		0.19	1.0
Selenium, total	< 0.89		0.89	5.0	1.3 J		0.89	5.0	1.5 J		0.89	5.0	< 0.89		0.89	5.0
Selenium, dissolved	< 0.89		0.89	5.0	< 0.89		0.89	5.0	1.0 J		0.89	5.0	< 0.89		0.89	5.0
Sulfide	< 1400		1400	3000	2100 J		1400	3000	< 1400		1400	3000	< 1400		1400	3000
Sulfide, dissolved	< 1400		1400	3000	2100 J		1400	3000	< 1400		1400	3000	< 1400		1400	3000
beta-BHC	< 0.022		0.022	0.24	< 0.0046		0.0046	0.050	< 0.0044		0.0044	0.048	< 0.0044		0.0044	0.048
Performance Parameters (mg/L)																
Iron, total	0.73		0.047	0.1	9.6		0.047	0.1	2 J		0.047	0.1	< 0.047		0.047	0.1
Iron, dissolved	0.19		0.047	0.1	1		0.047	0.1	2.9		0.047	0.1	< 0.047		0.047	0.1
Manganese	0.034		0.0021	0.0050	0.015		0.0021	0.0050	0.022 J		0.0021	0.0050	< 0.0021		0.0021	0.0050
Field Measurements																
Dissolved Oxygen (mg/L)	0.53		0.01	0.01	0.20		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential (mV)	-223.7		0.1	0.1	-220.4		0.1	0.1	--		--	--	--		--	--
pH (S.U.)	7.24		0.01	0.01	7.89		0.01	0.01	--		--	--	--		--	--
Specific Conductance (uS/cm)	2053		0.1	0.1	1984		0.1	0.1	--		--	--	--		--	--
Temperature (Degrees Celsius)	13.7		0.01	0.01	16.1		0.01	0.01	--		--	--	--		--	--
Turbidity (NTU)	29.70		0.1	0.1	130.51		0.1	0.1	--		--	--	--		--	--

Surface Water

Sample ID: Sample Date:	SW-1 03/11/2020				SW-2 03/11/2020				SW-3 03/11/2020				SW-4 03/11/2020				SW-3 DUP 03/11/2020				FIELD BLANK 03/11/2020			
	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)																								
Antimony, total	< 0.57		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0
Arsenic, total	1.2 J		0.75	5.0	1.1 J		0.75	5.0	1.2 J		0.75	5.0	1.9 J		0.75	5.0	1.3 J		0.75	5.0	< 0.75		0.75	5.0
Arsenic III (dissolved)	< 0.500		0.500	0.500	< 0.500		0.500	0.500	< 0.500		0.500	0.500	< 0.500		0.500	0.500	< 0.500		0.500	0.500	< 0.500		0.500	0.500
Arsenic V (dissolved)	0.404 J		0.0750	0.500	0.874 J		0.150	1.00	0.470 J		0.0750	0.500	0.0826 J		0.0750	0.500	0.132 J		0.0750	0.500	< 0.0750		0.0750	0.500
Beryllium, total	0.35 J		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0	< 0.31		0.31	1.0
Cobalt, total	0.44 J		0.19	1.0	0.36 J		0.19	1.0	0.31 J		0.19	1.0	0.57 J		0.19	1.0	0.27 J		0.19	1.0	< 0.19		0.19	1.0
Selenium, total	< 0.89		0.89	5.0	< 0.89		0.89	5.0	< 0.89		0.89	5.0	< 0.89		0.89	5.0	< 0.89		0.89	5.0	< 0.89		0.89	5.0
Sulfide	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000
beta-BHC	< 0.0044		0.0044	0.048	< 0.0044		0.0044	0.048	< 0.0045		0.0045	0.049	< 0.0044		0.0044	0.048	< 0.0044		0.0044	0.048	< 0.0046		0.0046	0.050
Water Quality Parameters (mg/L)																								
Iron, total	0.36		0.047	0.1	0.37		0.047	0.1	0.29		0.047	0.1	1.3		0.047	0.1	0.29		0.047	0.1	< 0.047		0.047	0.1
Total Suspended Solids	60		2.2	4.0	52		2.2	4.0	57 J		2.2	4.0	110		2.2	4.0	71 J		2.2	4.0	3.0 J		2.2	4.0
Field Measurements																								
Dissolved Oxygen (mg/L)	8.66		0.01	0.01	9.08		0.01	0.01	8.86		0.01	0.01	8.94		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential (mV)	66.7		0.1	0.1	45.0		0.1	0.1	11.3		0.1	0.1	-21.4		0.1	0.1	--		--	--	--		--	--
pH (S.U.)	7.36		0.01	0.01	7.53		0.01	0.01	7.45		0.01	0.01	7.26		0.01	0.01	--		--	--	--		--	--
Specific Conductance (uS/cm)	23715		0.1	0.1	22964		0.1	0.1	26470		0.1	0.1	25642		0.1	0.1	--		--	--	--		--	--
Temperature (Degrees Celsius)	14.0		0.01	0.01	13.8		0.01	0.01	12.6		0.01	0.01	13.1		0.01	0.01	--		--	--	--		--	--
Turbidity (NTU)	5.29		0.1	0.1	4.80		0.1	0.1	4.43		0.1	0.1	12.51		0.1	0.1	--		--	--	--		--	--

Notes:

MDL = Method detection limit
 RL = Reporting limit
 µg/L = Microgram per liter
 mg/L = Milligram 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.