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November 25, 2020

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**RE: Data Repository
Chesapeake Energy Center
2701 Vepco 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 2nd Semi-Annual Monitoring (September 29 – October 1, 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
November 25, 2020*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2020 2nd Semi-Annual Monitoring Event (September 29 - October 1, 2020)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Sample ID: Sample Date:	MW-5 09/29/2020				MW-5D 09/29/2020				CECW-1 09/30/2020				CECW-1D 09/30/2020				CECW-2 09/29/2020				CECW-2D 09/30/2020				CECW-3 09/30/2020				CECW-3D 09/30/2020			
	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL
Primary Performance Parameters (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	NS	--	--	< 0.57	0.57	2.0		
Antimony, dissolved	0.58 J		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	NS	--	--	< 0.57	0.57	2.0		
Arsenic, total	7.4		0.75	5.0	2.4 J		0.75	5.0	59		0.75	5.0	45		0.75	5.0	6.7		0.75	5.0	140		0.75	5.0	NS	--	--	200	0.75	5.0		
Arsenic, dissolved	6.8		0.75	5.0	2.5 J		0.75	5.0	85		0.75	5.0	43		0.75	5.0	4.3 J		0.75	5.0	130		0.75	5.0	NS	--	--	170	0.75	5.0		
Arsenic III (dissolved)	1.88		0.255	0.500	1.91		0.255	0.500	107		7.65	15.0	0.840		0.255	0.500	3.25		0.255	0.500	109		7.65	15.0	NS	--	--	138	3.06	6.00		
Arsenic V (dissolved)	5.38		0.690	1.00	< 0.345		0.345	0.500	< 10.4		10.4	15.0	42.2		4.14	6.00	< 0.345		0.345	0.500	< 10.4		10.4	15.0	NS	--	--	11.2	10.4	15.0		
Beryllium, total	< 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	< 0.31		0.31	1.0	NS	--	--	< 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	< 0.31		0.31	1.0	< 0.31		0.31	1.0	NS	--	--	< 0.31	0.31	1.0		
Cobalt, total	0.45 J		0.19	1.0	10		0.19	1.0	0.32 J		0.19	1.0	0.73 J		0.19	1.0	2.0		0.19	1.0	0.25 J		0.19	1.0	NS	--	--	0.49 J	0.19	1.0		
Cobalt, dissolved	0.43 J		0.19	1.0	11		0.19	1.0	0.33 J		0.19	1.0	0.61 J		0.19	1.0	0.89 J		0.19	1.0	0.20 J		0.19	1.0	NS	--	--	< 0.19	0.19	1.0		
Selenium, total	1.8 J		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	NS	--	--	< 0.89	0.89	5.0		
Selenium, dissolved	1.8 J		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	NS	--	--	< 0.89	0.89	5.0		
Sulfide	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	1700 J		1400	3000	NS	--	--	< 1400	1400	3000		
Sulfide, dissolved	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400		1400	3000	2100 J		1400	3000	NS	--	--	1700 J	1400	3000		
beta-BHC	< 0.0046		0.0046	0.050	< 0.0045		0.0045	0.049	< 0.0044		0.0044	0.048	< 0.0044		0.0044	0.048	< 0.088		0.088	0.95	< 0.0044		0.0044	0.048	NS	--	--	< 0.0044	0.0044	0.048		
Performance Parameters (mg/L)																																
Iron, total	0.84		0.047	0.1	12		0.047	0.1	3.9		0.047	0.1	7.8		0.047	0.1	10		0.047	0.1	8.2		0.047	0.1	NS	--	--	1.6	0.047	0.1		
Iron, dissolved	0.87		0.047	0.1	12		0.047	0.1	3.3		0.047	0.1	7.2		0.047	0.1	9.9		0.047	0.1	7.8		0.047	0.1	NS	--	--	0.051 J	0.047	0.1		
Manganese	0.012		0.0021	0.0050	0.49		0.0021	0.0050	0.13		0.0021	0.0050	0.36		0.0021	0.0050	0.16		0.0021	0.0050	0.24		0.0021	0.0050	NS	--	--	0.011	0.0021	0.0050		
Field Measurements																																
Dissolved Oxygen (mg/L)	0.00		0.01	0.01	0.00		0.01	0.01	0.57		0.01	0.01	0.51		0.01	0.01	0.36		0.01	0.01	0.36		0.01	0.01	--	--	--	0.47	0.01	0.01		
Oxidation Reduction Potential (mV)	28.0		0.1	0.1	14.0		0.1	0.1	-72.1		0.1	0.1	-6.6		0.1	0.1	-25.7		0.1	0.1	-221.5		0.1	0.1	--	--	--	-144.3	0.1	0.1		
pH (S.U.)	5.86		0.01	0.01	6.05		0.01	0.01	6.47		0.01	0.01	6.30		0.01	0.01	5.81		0.01	0.01	6.66		0.01	0.01	--	--	--	7.49	0.01	0.01		
Specific Conductance (uS/cm)	277.8		0.1	0.1	2336		0.1	0.1	2790		0.1	0.1	17938		0.1	0.1	5977		0.1	0.1	25069		0.1	0.1	--	--	--	1230	0.1	0.1		
Temperature (Degrees Celsius)	20.9		0.01	0.01	19.2		0.01	0.01	21.5		0.01	0.01	18.8		0.01	0.01	21.4		0.01	0.01	18.6		0.01	0.01	--	--	--	18.7	0.01	0.01		
Turbidity (NTU)	9.62		0.1	0.1	8.61		0.1	0.1	8.98		0.1	0.1	9.35		0.1	0.1	20.14		0.1	0.1	1.53		0.1	0.1	--	--	--	30.13	0.1	0.1		

Groundwater Monitoring Wells

Sample ID: Sample Date:	CECW-6I 09/29/2020				CECW-6D 09/30/2020				CECW-8 09/30/2020				CECW-8D 10/01/2020				CECW-10R 09/30/2020				CECW-15 10/01/2020				PO-8 09/29/2020				PO-8D 09/29/2020			
	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL	Result	Qual	MDL	RL
Primary Performance Parameters (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	< 0.57		0.57	2.0	< 0.57	0.57	2.0	
Antimony, dissolved	< 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	< 0.57		0.57	2.0	< 0.57	0.57	2.0	
Arsenic, total	150		0.75	5.0	100		0.75	5.0	1.4 J		0.75	5.0	41		0.75	5.0	61		0.75	5.0	2.6 J		0.75	5.0	22		0.75	5.0	3.8 J	0.75	5.0	
Arsenic, dissolved	140		0.75	5.0	85		0.75	5.0	1.1 J		0.75	5.0	36		0.75	5.0	54		0.75	5.0	1.3 J		0.75	5.0	17		0.75	5.0	2.0 J	0.75	5.0	
Arsenic III (dissolved)	120		7.65	15.0	75.3		2.04	4.00	< 0.510		0.510	1.00	19.2		2.04	4.00	48.7		7.65	15.0	0.633		0.255	0.500	16.2		2.04	4.00	0.891	0.255	0.500	
Arsenic V (dissolved)	< 10.4		10.4	15.0	7.93		4.14	6.00	< 2.07		2.07	3.00	21.0		10.4	15.0	< 10.4		10.4	15.0	< 0.345		0.345	0.500	< 2.76		2.76	4.00	0.484	0.345	0.500	
Beryllium, total	< 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	< 0.31		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	< 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	1.8		0.19	1.0	4.1		0.19	1.0	0.58 J		0.19	1.0	0.40 J		0.19	1.0	0.25 J		0.19	1.0	1.5		0.19	1.0	< 0.19		0.19	1.0	6.2	0.19	1.0	
Cobalt, dissolved	1.7		0.19	1.0	3.9		0.19	1.0	0.39 J		0.19	1.0	0.58 J		0.19	1.0	< 0.19		0.19	1.0	1.4		0.19	1.0	< 0.19		0.19	1.0	5.9	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	0.95 J		0.89	5.0	< 0.89		0.89	5.0	< 0.89		0.89	5.0	< 0.89	0.89	5.0	
Selenium, dissolved	< 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	< 0.89		0.89	5.0	< 0.89	0.89	5.0	
Sulfide	< 1400		1400	3000	< 1400		1400	3000	55000		1400	3000	< 1400		1400	3000	3300		1400	3000	< 1400		1400	3000	< 1400		1400	3000	< 1400	1400	3000	
Sulfide, dissolved	< 1400		1400	3000	1700 J		1400	3000	61000		1400	3000	< 1400		1400	3000	2900 J		1400	3000	< 1400		1400	3000	< 1400		1400	3000	2300 J	1400	3000	
beta-BHC	< 0.0046		0.0046	0.050	< 0.0045		0.0045	0.049	< 0.45		0.45	4.9	< 0.0044		0.0044	0.048	< 0.0045		0.0045	0.049	< 0.0044		0.0044	0.048	< 0.0044		0.0044	0.048	< 0.0044	0.0044	0.048	
Performance Parameters (mg/L)																																
Iron, total	9.3		0.047	0.1	12		0.047	0.1	1.9		0.047	0.1	16		0.047	0.1	2.3		0.047	0.1	26		0.047	0.1	0.53		0.047	0.1	4.3	0.047	0.1	
Iron, dissolved	9.8		0.047	0.1	11		0.047	0.1	< 0.047		0.047	0.1	19		0.047	0.1	1.6</															

Table 1
Summary of Corrective Action Monitoring Data
2020 2nd Semi-Annual Monitoring Event (September 29 - October 1, 2020)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Sample ID:	PO-10 10/01/2020				PO-10D 10/01/2020				CECW-6I DUP 09/29/2020				FIELD BLANK 09/30/2020			
	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	1.8 J		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0
Antimony, dissolved	< 0.57		0.57	2.0	0.57 J		0.57	2.0	< 0.57		0.57	2.0	< 0.57		0.57	2.0
Arsenic, total	80		0.75	5.0	150		0.75	5.0	170		0.75	5.0	< 0.75		0.75	5.0
Arsenic, dissolved	73		0.75	5.0	160		0.75	5.0	150		0.75	5.0	< 0.75		0.75	5.0
Arsenic III (dissolved)	64.1		3.06	6.00	136		7.65	15.0	126		7.65	15.0	< 0.255		0.255	0.500
Arsenic V (dissolved)	< 10.4		10.4	15.0	< 10.4		10.4	15.0	< 10.4		10.4	15.0	< 0.345		0.345	0.500
Beryllium, total	< 0.31		0.31	1.0	< 0.31		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	0.45 J		0.19	1.0	1.2		0.19	1.0	1.9		0.19	1.0	< 0.19		0.19	1.0
Cobalt, dissolved	< 0.19		0.19	1.0	< 0.19		0.19	1.0	1.7		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
Selenium, dissolved	< 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	2000 J		1400	3000	< 1400		1400	3000	1500 J		1400	3000	< 1400		1400	3000
Sulfide, dissolved	1600 J		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	< 0.0046		0.0046	0.050	< 0.0044		0.0044	0.048
Performance Parameters (mg/L)																
Iron, total	1.8		0.047	0.1	4.7		0.047	0.1	9.3		0.047	0.1	< 0.047		0.047	0.1
Iron, dissolved	0.077 J		0.047	0.1	0.39		0.047	0.1	9.7		0.047	0.1	< 0.047		0.047	0.1
Manganese	0.026		0.0021	0.0050	0.0088		0.0021	0.0050	0.19		0.0021	0.0050	< 0.0021		0.0021	0.0050
Field Measurements																
Dissolved Oxygen (mg/L)	0.35		0.01	0.01	0.51		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential (mV)	-216.9		0.1	0.1	-168.5		0.1	0.1	--		--	--	--		--	--
pH (S.U.)	7.13		0.01	0.01	7.02		0.01	0.01	--		--	--	--		--	--
Specific Conductance (uS/cm)	2237		0.1	0.1	2101		0.1	0.1	--		--	--	--		--	--
Temperature (Degrees Celsius)	21.1		0.01	0.01	19.4		0.01	0.01	--		--	--	--		--	--
Turbidity (NTU)	15.21		0.1	0.1	95.81		0.1	0.1	--		--	--	--		--	--

Surface Water

Sample ID: Sample Date:	SW-1 10/01/2020				SW-2 10/01/2020				SW-3 10/01/2020				SW-4 10/01/2020				SW-2 DUP 10/01/2020				FIELD BLANK 10/01/2020			
	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	2.4 J		0.75	5.0	1.7 J		0.75	5.0	1.9 J		0.75	5.0	2.1 J		0.75	5.0	2.1 J		0.75	5.0	< 0.75		0.75	5.0
Arsenic III (dissolved)	< 0.255		0.255	0.500	< 0.255		0.255	0.500	< 0.255		0.255	0.500	< 0.255		0.255	0.500	< 0.255		0.255	0.500	< 0.255		0.255	0.500
Arsenic V (dissolved)	1.05		0.345	0.500	0.998		0.345	0.500	0.795		0.345	0.500	0.912		0.345	0.500	1.44		0.345	0.500	< 0.345		0.345	0.500
Beryllium, total	< 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	< 0.31		0.31	1.0
Cobalt, total	0.73 J		0.19	1.0	0.57 J		0.19	1.0	0.51 J		0.19	1.0	0.48 J		0.19	1.0	0.47 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	< 0.046		0.046	0.50	< 0.0046		0.0046	0.050	< 0.0046		0.0046	0.050	< 0.0046		0.0046	0.050	< 0.0046		0.0046	0.050	< 0.0045		0.0045	0.049
Water Quality Parameters (mg/L)																								
Iron, total	0.98		0.047	0.1	0.92		0.047	0.1	0.88		0.047	0.1	0.57		0.047	0.1	0.84		0.047	0.1	< 0.047		0.047	0.1
Total Suspended Solids	9.0		2.2	4.0	9.0		2.2	4.0	12		2.2	4.0	17		2.2	4.0	15		2.2	4.0	< 2.2		2.2	4.0
Field Measurements																								
Dissolved Oxygen (mg/L)	5.26		0.01	0.01	6.10		0.01	0.01	6.43		0.01	0.01	6.03		0.01	0.01	--		--	--	--		--	--
Oxidation Reduction Potential (mV)	147.4		0.1	0.1	137.6		0.1	0.1	149.5		0.1	0.1	222.5		0.1	0.1	--		--	--	--		--	--
pH (S.U.)	6.75		0.01	0.01	6.97		0.01	0.01	7.13		0.01	0.01	6.64		0.01	0.01	--		--	--	--		--	--
Specific Conductance (uS/cm)	19,647		0.1	0.1	18,689		0.1	0.1	18,790		0.1	0.1	25,402		0.1	0.1	--		--	--	--		--	--
Temperature (Degrees Celsius)	22.5		0.01	0.01	22.4		0.01	0.01	22.2		0.01	0.01	20.8		0.01	0.01	--		--	--	--		--	--
Turbidity (NTU)	6.97		0.1	0.1	7.94		0.1	0.1	7.68		0.1	0.1	14.88		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.