

BY ELECTRONIC MAIL

June 9, 2022

Library Manager
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Chesapeake, VA 23323
vwashing@infopeake.org

**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:

*[Revised to add additional surface water constituents]
Summary of Corrective Action Monitoring Data
2021 2nd Semi-Annual Monitoring (September 27-30, 2021 & October 8, 2021)
Chesapeake Energy Center Landfill - Permit No. 440
Chesapeake, Virginia*

Thank you for your assistance and please do not hesitate to call Ms. Catherine Smith of Dominion Energy's Environmental Department at (804) 241-2254 should there be any questions and/or comments.

Sincerely,



Audrey T. Bauhan
Director, Environmental

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia
June 8, 2022*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2021 2nd Semi-Annual Monitoring Event (September 27-30, 2021)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Sample ID: Sample Date:	PO-10 9/28/2021				PO-10D 9/30/2021				CECW-2 DUP 9/30/2021				CECW-6I DUP 10/8/2021				FIELD BLANK 9/28/2021				FIELD BLANK 10/8/2021			
	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	U	0.57	2.0	0.94	J	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0
Antimony, dissolved	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0	< 0.57	U	0.57	2.0
Arsenic, total	86		0.75	5.0	88		0.75	5.0	1.7	J	0.75	5.0	220		0.75	5.0	< 0.75	U	0.75	5.0	< 0.75	U	0.75	5.0
Arsenic, dissolved	100		0.75	5.0	79		0.75	5.0	3.4	J	0.75	5.0	220		0.75	5.0	< 0.75	U	0.75	5.0	< 0.75	U	0.75	5.0
Arsenic III (dissolved)	74.7		1.53	3.0	62.5		1.53	3.0	1.48		0.255	0.5	-	-	-	-	< 0.255	U	0.255	0.5	< 0.255	U	0.255	0.5
Arsenic V (dissolved)	< 2.07	U	2.07	3.0	< 2.07	U	2.07	3.0	< 0.345	U	0.345	0.5	-	-	-	-	< 0.345	U	0.345	0.5	< 0.345	U	0.345	0.5
Beryllium, total	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0
Beryllium, dissolved	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0	< 0.62	U	0.62	1.0
Cobalt, total	< 0.19	U	0.19	1.0	0.52	J	0.19	1.0	1.1		0.19	1.0	2.1		0.19	1.0	< 0.19	U	0.19	1.0	< 0.19	U	0.19	1.0
Cobalt, dissolved	< 0.19	U	0.19	1.0	< 0.19	U	0.19	1.0	0.43	J	0.19	1.0	2.1		0.19	1.0	< 0.19	U	0.19	1.0	< 0.19	U	0.19	1.0
Selenium, total	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0	1.0	J	0.89	5.0	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0
Selenium, dissolved	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0
Sulfide	< 1400	UJ	1400	3000	< 1400	U	1400	3000	< 1400	U	1400	3000	< 1400	U	1400	3000	< 1400	UJ	1400	3000	< 1400	U	1400	3000
Sulfide, dissolved	< 1400	UJ	1400	3000	< 1400	U	1400	3000	< 1400	U	1400	3000	< 1400	U	1400	3000	1500	J	1400	3000	< 1400	U	1400	3000
beta-BHC	< 0.0090	U	0.0090	0.049	< 0.0089	U	0.0089	0.048	< 0.0092	U	0.0092	0.050	< 0.0089	UJ	0.0089	0.048	< 0.0089	U	0.0089	0.048	< 0.0089	UJ	0.0089	0.048
Performance Parameters (µg/L)																								
Iron, total	< 47	UJ	47	100	2200		47	100	3100	J	47	100	15000		47	100	< 47	U	47	100	< 47	U	47	100
Iron, dissolved	430	J	47	100	410		47	100	14000	J	47	100	14000		47	100	< 47	U	47	100	< 47	U	47	100
Manganese	16		6.2	10	6.5	J	6.2	10	180		6.2	10	310		6.2	10	< 6.2	U	6.2	10	< 6.2	U	6.2	10
Field Measurements																								
Dissolved Oxygen (mg/L)	0.67		0.01	0.01	2.12		0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation Reduction Potential (mV)	-185.3		0.1	0.1	-286.1		0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (S.U.)	7.18		0.01	0.01	7.62		0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specific Conductance (uS/cm)	1262		0.1	0.1	1149		0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temperature (Degrees Celsius)	21.1		0.01	0.01	16.2		0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity (NTU)	9.64		0.1	0.1	31.41		0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes

< = 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):

U = The analyte analyzed for, but was not detected above the level fo the reported sample quantitation limit.
 J = Quantitation is approximate due to limitations identified during data validation.
 UJ = The analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
 J+ = The result is an estimated quantity; the result may be biased high.

Table 1
Summary of Corrective Action Monitoring Data
2021 2nd Semi-Annual Monitoring Event (September 27-30, 2021)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Surface Water

Sample ID: Sample Date:	SW-1 9/30/2021				SW-2 9/30/2021				SW-3 9/30/2021				SW-4 9/30/2021				SW-2 DUP 9/30/2021				FIELD BLANK 9/30/2021			
	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	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0
Antimony, dissolved	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0	<0.57	U	0.57	2.0
Arsenic, total	2.7	J	0.75	5.0	2.3	J	0.75	5.0	2.8	J	0.75	5.0	2.8	J	0.75	5.0	2.0	J	0.75	5.0	<0.75	U	0.75	5.0
Arsenic, dissolved	2.5	J	0.75	5.0	2.4	J	0.75	5.0	2.9	J	0.75	5.0	2.3	J	0.75	5.0	1.8	J	0.75	5.0	<0.75	U	0.75	5.0
Arsenic III (dissolved)	<0.255	U	0.245	0.5	<0.255	U	0.255	0.5	<0.255	U	0.255	0.5	<0.255	U	0.255	0.5	<0.255	U	0.255	0.5	<0.255	U	0.255	0.5
Arsenic V (dissolved)	0.975	J+	0.345	0.5	0.792	J+	0.345	0.5	0.904	J+	0.345	0.5	1.41	J+	0.345	0.5	0.917	J+	0.345	0.5	<0.345	U	0.345	0.5
Beryllium, total	<0.62	U	0.62	1.0	<0.62	U	0.62	1.0	<0.62	U	0.62	1.0	<0.62	U	0.62	1.0	<0.62	U	0.62	1.0	<0.62	U	0.62	1.0
Boron, total	2200		57	100	2400		57	100	2400		57	100	2500		57	100	2200		57	100	<57	U	57	100
Boron, dissolved	2600		57	100	2300		57	100	2500		57	100	2700		57	100	2500		57	100	<57	U	57	100
Cadmium, total	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	0.24	J	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0
Cadmium, dissolved	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	0.21	J	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0
Chromium, total	3.4	J	2.5	5.0	4.6	J	2.5	5.0	4.1	J	2.5	5.0	4.1	J	2.5	5.0	3.5	J	2.5	5.0	<2.5	U	2.5	5.0
Chromium, dissolved	3.8	J	2.5	5.0	3.9	J	2.5	5.0	4.2	J	2.5	5.0	4.6	J	2.5	5.0	4.1	J	2.5	5.0	<2.5	U	2.5	5.0
Chromium hexavalent, total	<5	U	5	5	<5	U	5	5	<5	U	5	5	<5	U	5	5	<5	U	5	5	<5	U	5	5
Chromium hexavalent, dissolved	<5	U	5	5	<5	U	5	5	<5	U	5	5	<5	U	5	5	<5	U	5	5	<5	U	5	5
Chromium trivalent, total	3.4	J	2.0	20	4.6	J	2.0	20	4.1	J	2.0	20	4.1	J	2.0	20	3.5	J	2.0	20	<2.0	U	2.0	20
Chromium trivalent, dissolved	3.8	J	2.0	20	3.9	J	2.0	20	4.2	J	2.0	20	4.6	J	2.0	20	4.1	J	2.0	20	<2.0	U	2.0	20
Cobalt, total	0.78	J	0.19	1.0	0.82	J	0.19	1.0	0.93	J	0.19	1.0	0.76	J	0.19	1.0	0.76	J	0.19	1.0	<0.19	U	0.19	1.0
Copper, total	4.5		1.7	2.0	4.4		1.7	2.0	5.0		1.7	2.0	4.6		1.7	2.0	4.00		1.7	2.0	<1.7		1.7	2.0
Copper, dissolved	4.7		1.7	2.0	4.0		1.7	2.0	4.6		1.7	2.0	4.7		1.7	2.0	3.9		1.7	2.0	<1.7		1.7	2.0
Lead, total	0.81	J	0.45	1.0	1.0	J	0.45	1.0	0.92	J	0.45	1.0	0.66	J	0.45	1.0	0.93	J	0.45	1.0	<0.45	U	0.45	1.0
Lead, dissolved	0.55	J	0.45	1.0	0.48	J	0.45	1.0	0.51	J	0.45	1.0	<0.45	U	0.45	1.0	0.52	J	0.45	1.0	<0.45	U	0.45	1.0
Mercury, total	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20
Mercury, dissolved	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20	<0.13	U	0.13	0.20
Nickel, total	1.6	J	1.5	2.0	1.6	J	1.5	2.0	1.5	J	1.5	2.0	1.5	J	1.5	2.0	1.6	J	1.5	2.0	<1.5	U	1.5	2.0
Nickel, dissolved	1.6	J	1.5	2.0	1.5	J	1.5	2.0	1.5	J	1.5	2.0	<1.5	U	1.5	2.0	1.5	J	1.5	2.0	<1.5	U	1.5	2.0
Selenium, total	<0.89	U	0.89	5.0	<0.89	U	0.89	5.0	0.94	J	0.89	5.0	<0.89	U	0.89	5.0	<0.89	U	0.89	5.0	<0.89	U	0.89	5.0
Selenium, dissolved	<0.89	U	0.89	5.0	<0.89	U	0.89	5.0	1.1	J	0.89	5.0	<0.89	U	0.89	5.0	<0.89	U	0.89	5.0	<0.89	U	0.89	5.0
Silver, total	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0	0.086	J	0.053	1.0	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0
Silver, dissolved	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0	<0.053	U	0.053	1.0
Sulfide	<1400	U	1400	3000	<1400	U	1400	3000	<1400	U	1400	3000	<1400	U	1400	3000	<1400	U	1400	3000	<1400	U	1400	3000
Thallium, total	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	0.74	J	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.2	1.0
Thallium, dissolved	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	0.68	J	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.20	1.0	<0.20	U	0.2	1.0
Zinc, total	<15	U	15	20	<19	U	19	20	<22	U	22	22	<55	U	55	55	<25	U	25	25	<15	U	15	20
Zinc, dissolved	<21	U	21	21	<22	U	22	22	<42	U	42	42	<15	U	15	20	<15	U	15	20	<15	U	15	20
beta-BHC	<0.0092	U	0.0092	0.050	<0.0092	U	0.0092	0.050	<0.0093	U	0.0093	0.050	<0.0095	U	0.0095	0.051	<0.0091	U	0.0091	0.049	<0.0092	U	0.0092	0.050
Performance Parameters (µg/L)																								
Iron, total	840		47	100	690		47	100	500		47	100	490		47	100	620		47	100	<47	U	47	100
Total Suspended Solids	8.0		1.0	4.0	10		1.0	4.0	10		1.0	4.0	7.0		1.0	4.0	9.0		1.0	4.0	1.0	J	1.0	4.0
Field Measurements																								
Dissolved Oxygen (mg/L)	8.84		0.01	0.01	8.08		0.01	0.01	8.28		0.01	0.01	15.0		0.01	0.01	-		-	-	-	-	-	-
Oxidation Reduction Potential (mV)	93.0		0.1	0.1	76.4		0.1	0.1	68.3		0.1	0.1	13.7		0.1	0.1	-		-	-	-	-	-	-
pH (S.U.)	7.38		0.01	0.01	7.35		0.01	0.01	7.28		0.01	0.01	7.28		0.01	0.01	-		-	-	-	-	-	-
Specific Conductance (uS/cm)	28920		0.1	0.1	9326		0.1	0.1	26286		0.1	0.1	20711		0.1	0.1	-		-	-	-	-	-	-
Temperature (Degrees Celsius)	24.3		0.01	0.01	26.1		0.01	0.01	24.8		0.01	0.01	25.2		0.01	0.01	-		-	-	-	-	-	-
Turbidity (NTU)	6.5		0.1	0.1	6.4		0.1	0.1	4.9		0.1	0.1	5.5		0.1	0.1	-		-	-	-	-	-	-

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