



BY ELECTRONIC MAIL

May 17, 2024

Clyde Hunter, Library Manager
Major Hillard Library
824 Old George Washington Highway, North
Chesapeake, VA 23323
chunter@chesapeakelibrary.org

**RE: Data Repository - Chesapeake Energy Center Industrial Landfill
2024 First Semi-Annual Summary of Corrective Action Monitoring Data**

Dear Mr. Hunter:

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. Also, please be notified that this data is available at the following publicly accessible website address:

<https://www.dominionenergy.com/projects-and-facilities/electric-projects/coal-ash/chesapeake-energy-center-corrective-action-program>

If you have any questions regarding this information, please contact Zack Oremland at (804) 346-6622 or via email at zachary.e.oremland@dominionenergy.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Dennis A. Slade".

Dennis A. Slade
Manager, Environmental

Attachment

ecc (cover letter only):

TRO.LandProtection@deq.virginia.gov

Geoff Christe, VA DEQ – geoff.christe@deq.virginia.gov

Rachel Patton, VA DEQ – rachel.patton@deq.virginia.gov

Table 1
Summary of Corrective Action Monitoring Data
2024 1st Semi-Annual Monitoring Event (March 12-14, 2024 and March 27, 2024)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Surface Water

Parameter Name	Units	SW-1 03/14/2024				SW-2 03/14/2024				SW-3 03/14/2024				SW-4 03/14/2024				SW-1 Field Duplicate 03/14/2024				Field Blank 03/14/2024			
		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																									
Antimony, total	µg/L	< 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	µg/L	< 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	µg/L	1.3 J		0.75	5.0	1.3 J		0.75	5.0	< 0.75 U		0.75	5.0	0.79 J		0.75	5.0	1.2 J		0.75	5.0	< 0.75 U		0.75	5.0
Arsenic, dissolved	µg/L	0.86 J		0.75	5.0	< 0.75 U		0.75	5.0	< 0.75 U		0.75	5.0	0.92 J		0.75	5.0	0.90 J		0.75	5.0	< 0.75 U		0.75	5.0
Arsenic III (dissolved)	µg/L	< 0.48 U		0.48	0.50	< 0.48 U		0.48	0.50	< 0.48 U		0.48	0.50	< 0.48 U		0.48	0.50	< 0.48 U		0.48	0.50	< 0.48 U		0.48	0.50
Arsenic V (dissolved)	µg/L	< 0.43 U		0.43	0.50	< 0.43 U		0.43	0.50	< 0.43 U		0.43	0.50	< 0.43 U		0.43	0.50	< 0.43 U		0.43	0.50	< 0.43 U		0.43	0.50
Beryllium, total	µg/L	< 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	µg/L	750		57	100	890		57	100	740		57	100	650		57	100	680		57	100	< 57 U		57	100
Boron, dissolved	µg/L	690		57	100	940		57	100	770		57	100	720		57	100	700		57	100	< 57 U		57	100
Cadmium, total	µg/L	< 0.20 U		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	< 0.20 U		0.20	1.0	< 0.20 U		0.20	1.0
Cadmium, dissolved	µg/L	< 0.20 U		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	< 0.20 U		0.20	1.0	< 0.20 U		0.20	1.0
Chromium, total	µg/L	< 1.2 U		1.2	5.0	1.2 J		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0
Chromium, dissolved	µg/L	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0	< 1.2 U		1.2	5.0
Chromium hexavalent, total*	mg/L	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020
Chromium hexavalent, dissolved*	mg/L	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020
Chromium trivalent, total*	mg/L	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020
Chromium trivalent, dissolved*	mg/L	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020	< 0.0070 U		0.0070	0.020
Cobalt, total	µg/L	0.72 J		0.19	1.0	0.66 J		0.19	1.0	0.64 J		0.19	1.0	0.59 J		0.19	1.0	0.64 J		0.19	1.0	< 0.19 U		0.19	1.0
Copper, total	µg/L	3.2		1.7	2.0	3.1		1.7	2.0	2.5		1.7	2.0	2.3		1.7	2.0	2.8		1.7	2.0	< 1.7 U		1.7	2.0
Copper, dissolved	µg/L	2.5		1.7	2.0	2.6		1.7	2.0	2.4		1.7	2.0	2.4		1.7	2.0	2.4		1.7	2.0	< 1.7 U		1.7	2.0
Lead, total	µg/L	0.93 J		0.45	1.0	0.77 J		0.45	1.0	0.67 J		0.45	1.0	0.54 J		0.45	1.0	0.68 J		0.45	1.0	< 0.45 U		0.45	1.0
Lead, dissolved	µg/L	< 0.45 U		0.45	1.0	< 0.45 U		0.45	1.0	< 0.45 U		0.45	1.0	< 0.45 U		0.45	1.0	< 0.45 U		0.45	1.0	< 0.45 U		0.45	1.0
Lithium, total	µg/L	29		1.7	8.0	34		1.7	8.0	29		1.7	8.0	25		1.7	8.0	26		1.7	8.0	< 1.7 U		1.7	8.0
Lithium, dissolved	µg/L	26		1.7	8.0	32		1.7	8.0	28		1.7	8.0	28		1.7	8.0	26		1.7	8.0	< 1.7 U		1.7	8.0
Mercury, total	µg/L	< 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	µg/L	< 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	µg/L	1.5 J		1.5	2.0	1.6 J		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0
Nickel, dissolved	µg/L	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0	< 1.5 U		1.5	2.0
Selenium, total	µg/L	< 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
Selenium, dissolved	µg/L	< 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
Silver, total	µg/L	< 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
Silver, dissolved	µg/L	< 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, total*	mg/L	< 1.4 U		1.4	3.0	< 1.4 U		1.4	3.0	< 1.4 U		1.4	3.0	< 1.4 U		1.4	3.0	< 1.4 U		1.4	3.0	< 1.4 U		1.4	3.0
Thallium, total	µg/L	0.35 J		0.20	1.0	0.36 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	< 0.20 U		0.20	1.0
Thallium, dissolved	µg/L	< 0.20 U		0.20	1.0	0.50 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	< 0.20 U		0.20	1.0
Zinc, total	µg/L	18 J		15	20	< 15 U		15	20	< 15 U		15	20	< 15 U		15	20	< 15 U		15	20	< 15 U		15	20
Zinc, dissolved	µg/L	19 J		15	20	< 15 U		15	20	< 15 U		15	20	< 15 U		15	20	< 15 U		15	20	< 15 U		15	20
Radium 226 and 228 (combined), total	pCi/L	0.000 U		--	--	1.41 J		--	--	0.983 J		--	--	0.747 U		--	--	0.327 U		--	--	0.430 U		--	--
Radium 226 and 228 (combined), dissolved	pCi/L	1.33 U		--	--	0.947 U		--	--	1.33 U		--	--	0.889 U		--	--	1.06 U		--	--	0.931 J		--	--
beta-BHC*	µg/L	< 0.034 UJ		0.034	0.046	< 0.034 UJ		0.034	0.046	< 0.036 UJ		0.036	0.048	< 0.036 UJ		0.036	0.048	< 0.034 UJ		0.034	0.046	< 0.034 UJ		0.034	0.046
Performance Parameters																									
Iron, total	µg/L	900		47	100	810		47	100	780		47	100	720		47	100	840		47	100	< 47 U		47	100
Total Suspended Solids*	mg/L	3.3 J		0.40	4.0	7.9		0.40	4.0	5.2		0.40	4.0	5.7		0.40	4.0	3.5 J		0.40	4.0	< 0.40 U		0.40	4.0
Field Measurements																									
Dissolved Oxygen	mg/L	8.52		0.01	0.01	8.84		0.01	0.01	8.81		0.01	0.01	8.41		0.01	0.01	--		--	--	--	--	--	--
Oxidation Reduction Potential	mV	107.0		0.1	0.1	100.2		0.1	0.1	103.1		0.1	0.1	104.1		0.1	0.1	--		--	--	--	--	--	--
pH	S.U.	6.50		0.01	0.01	6.64		0.01	0.01	6.50		0.01	0.01	6.53		0.01	0.01	--		--	--	--	--	--	--
Specific Conductance	µS/cm	9007		0.1	0.1	10837		0.1	0.1	9868		0.1	0.1	9940		0.1	0.1	--		--	--	--	--	--	--
Temperature	C	20.4		0.1	0.1	20.1		0.1	0.1	22.1		0.1	0.1	20.8		0.1	0.1	--		--	--	--	--	--	--
Turbidity	NTU	13.6		0.01	0.01	11.9		0.01	0																