



BY ELECTRONIC MAIL

November 9, 2023

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
2023 Second 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>

Thank you for your assistance and please do not hesitate to call Zack Oremland of Dominion Energy's Environmental Department at (804) 346-6622 should there be any questions and/or comments.

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
2023 2nd Semi-Annual Monitoring Event (August 29 - August 31 and September 19, 2023)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Surface Water

Parameter Name	SW-1 9/19/2023				SW-2 9/19/2023				SW-3 9/19/2023				SW-4 9/18/2023				SW-4 DUP 9/18/2023				FIELD BLANK 9/18/2023			
	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	1.1	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	< 0.57	U	0.57	2.0
Antimony, dissolved	1.1	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	< 0.57	U	0.57	2.0
Arsenic, total	5.9	J	0.75	5.0	3.5	J	0.75	5.0	3.3	J	0.75	5.0	2.6	J	0.75	5.0	1.9	J	0.75	5.0	< 0.75	U	0.75	5.0
Arsenic, dissolved	4.2	J	0.75	5.0	2.9	J	0.75	5.0	3.2	J	0.75	5.0	1.9	J	0.75	5.0	2.5	J	0.75	5.0	< 0.75	U	0.75	5.0
Arsenic III (dissolved)	0.55	J	0.26	0.50	0.35	J	0.26	0.50	0.27	J	0.26	0.50	0.41	J	0.26	0.50	< 0.26	U	0.26	0.50	< 0.26	U	0.26	0.50
Arsenic V (dissolved)	1.4	J	0.35	0.50	0.95	J	0.35	0.50	1.2	J	0.35	0.50	0.99	J	0.35	0.50	1.3	J	0.35	0.50	< 0.35	U	0.35	0.50
Beryllium, total	0.64	J	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	2800	J	57	100	2900	J	57	100	2900	J	57	100	3100	J	57	100	3000	J	57	100	< 57	U	57	100
Boron, dissolved	2900	J	57	100	2800	J	57	100	2900	J	57	100	2800	J	57	100	3000	J	57	100	< 57	U	57	100
Cadmium, total	0.69	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	< 0.20	U	0.20	1.0
Cadmium, dissolved	0.32	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	< 0.20	U	0.20	1.0
Chromium, total	< 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, dissolved	< 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)	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001
Chromium hexavalent, dissolved (mg/L)	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001	< 0.001	U	0.001	0.001
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	1.1	J	0.19	1.0	0.51	J	0.19	1.0	0.40	J	0.19	1.0	0.48	J	0.19	1.0	0.41	J	0.19	1.0	< 0.19	U	0.19	1.0
Copper, total	2.7	J	1.7	2.0	2.8	J	1.7	2.0	3.0	J	1.7	2.0	3.4	J	1.7	2.0	3.3	J	1.7	2.0	< 1.7	U	1.7	2.0
Copper, dissolved	2.4	J	1.7	2.0	2.0	J	1.7	2.0	2.6	J	1.7	2.0	2.5	J	1.7	2.0	2.2	J	1.7	2.0	< 1.7	U	1.7	2.0
Lead, total	1.3	J	0.45	1.0	0.76	J	0.45	1.0	0.70	J	0.45	1.0	1.2	J	0.45	1.0	0.88	J	0.45	1.0	< 0.45	U	0.45	1.0
Lead, dissolved	0.45	J	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
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	< 1.5	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
Nickel, dissolved	< 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	2.1	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	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0
Selenium, dissolved	1.5	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	< 0.89	U	0.89	5.0	< 0.89	U	0.89	5.0
Silver, total	0.12	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	< 0.053	U	0.053	1.0	< 0.053	U	0.053	1.0
Silver, dissolved	0.10	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	< 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	1.6	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	< 0.20	U	0.20	1.0
Thallium, dissolved	0.86	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	< 0.20	U	0.20	1.0
Zinc, total	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20
Zinc, dissolved	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20	< 15	U	15	20
beta-BHC	< 0.0089	U	0.0089	0.048	< 0.0089	U	0.0089	0.048	< 0.0089	U	0.0089	0.048	< 0.0089	U	0.0089	0.048	< 0.0089	U	0.0089	0.048	< 0.0089	U	0.0089	0.048
Performance Parameters (µg/L)																								
Iron, total	570	J	47	100	450	J	47	100	470	J	47	100	420	J	47	100	430	J	47	100	< 47	U	47	100
Total Suspended Solids (mg/L)	10	J	0.80	8.0	10	J	0.40	4.0	11	J	0.40	4.0	8.8	J	0.40	4.0	12	J	0.40	4.0	0.90	J	0.40	4.0
Field Measurements																								
Dissolved Oxygen (mg/L)	3.72		0.01	0.01	3.08		0.01	0.01	3.29		0.01	0.01	4.83		0.01	0.01	--	--	--	--	--	--	--	--
Oxidation Reduction Potential (mV)	130.5		0.1	0.1	173.7		0.1	0.1	237.4		0.1	0.1	233.4		0.1	0.1	--	--	--	--	--	--	--	--
pH (S.U.)	7.36		0.01	0.01	7.38		0.01	0.01	7.37		0.01	0.01	7.38		0.01	0.01	--	--	--	--	--	--	--	--
Specific Conductance (µS/cm)	33870		0.1	0.1	34000		0.1	0.1	34100		0.1	0.1	34900		0.1	0.1	--	--	--	--	--	--	--	--
Temperature (Degrees Celsius)	25.36		0.1	0.1	25.33		0.1	0.1	24.66		0.1	0.1	25.72		0.1	0.1	--	--	--	--	--	--	--	--
Turbidity (NTU)	18.9		0.01	0.01	17.7		0.01	0.01	14.0		0.01	0.01	15.0		0.01	0.01	--	--	--	--	--	--	--	--

Notes

- < = Less than or equal to reporting MDL
NS = Not sampled, insufficient water
MDL = Method detection limit
RL = Reporting limit
Bold font = Detected concentration
- mV = Millivolt
S.U. = Standard Unit
µS/cm = MicroSiemen per centimeter
NTU = Nephelometric Turbidity Unit
µg/L = Microgram per liter
mg/L = Milligram per liter
- Laboratory Data Qualifiers (Qual):
U = The analyte was not detected above the level of the sample reporting limit.
J = Quantitation is approximate due to limitations identified during data validation.
UJ = The analyte was not detected; the reporting limit is approximate and may be inaccurate or imprecise.