



June 11, 2014

Ms. Susan Hobbs, 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 Ms. Hobbs:

Please find attached, one document related to Dominion's Chesapeake Energy Center (CEC) industrial landfill. The Major Hillard Library is the public data repository for information submitted by Dominion to the Virginia Department of Environmental Quality relating to the CEC landfill Corrective Action Monitoring Program. Throughout the life of the program, Dominion will place on file with the Library copies of associated materials, which should be made available for public viewing until Dominion 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
2014 1st Semi-Annual Monitoring (April 1 and 2, 2014)
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's Electric Environmental Services Department at (804) 273-3552 should there be any questions and/or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read "Cathy C. Taylor".

Cathy C. Taylor
Director, Environmental Services

Attachments

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2014 1st Semi-Annual Monitoring (April 1 and 2, 2014)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Parameter Name	LOD	LOQ	MW-5	MW-5D	CECW-1	CECW-1D	CECW-2	CECW-2D	CECW-3	CECW-3D	CECW-6I	CECW-6D	CECW-8	CECW-8D	CECW-10R	CECW-15	PO-8	PO-8D	PO-10	PO-10D	MW-5 DUP	CECW-6D DUP	FIELD BLANK	
Sample Date			4/1/2014	4/2/2014	4/1/2014	4/2/2014	4/1/2014	4/1/2014	4/1/2014	4/2/2014	4/2/2014	4/2/2014	4/1/2014	4/2/2014	4/2/2014	4/2/2014	4/1/2014	4/3/2014	4/1/2014	4/2/2014	4/1/2014	4/2/2014	4/1/2014	
Primary Performance Parameters (µg/L)																								
Arsenic, total	2	10	3 J	3 J	122	35	17	218	68	244	294	37	3 J	9 J	73	4 J	29	4 J	141	157	--	34	<2	
Arsenic, dissolved	2	10	5 J	<2	36	31	6 J	211	11	147	292	17	7 J	4 J	61	<2	28	4 J	123	67	--	17	<2	
Arsenic III	0.009	0.46	1.45	1.09	24.1	33.4	4.72	71.8	<0.009	128	248	20.5	1.88	4.28	3.09	<0.009	0.89	1.98	62.4	73.7	1.38	27.2	<0.009	
Arsenic V	0.007	0.36	2.66	<0.007	1.62	1.50	1.60	3.91	26.3	10.1	12.0	1.69	<0.007	1.58	0.86	0.92	0.89	0.73	9.09	8.75	2.98	1.63	<0.007	
Beryllium, total	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5 J	<0.2
Beryllium, dissolved	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3 J	<0.2
Cobalt, total	0.6	3	<0.6	33.8	<0.6	<0.6	3.3	<0.6	29.7	<0.6	0.7 J	7.0	<0.6	<0.6	<0.6	<0.6	<0.6	7.0	<0.6	<0.6	<0.6	<0.6	8.1	<0.6
Cobalt, dissolved	0.6	3	<0.6	33.2	<0.6	<0.6	0.6 J	<0.6	<0.6	<0.6	0.7 J	6.7	<0.6	<0.6	<0.6	<0.6	<0.6	5.9	<0.6	<0.6	<0.6	<0.6	8.0	<0.6
Sulfide	140	1,000	<140	<140	<140	<140	6,060	1,480	<140	<140	<140	<140	<140	151,000	<140	3,700	<140	5,770	<140	<140	<140	<140	<140	<140
Sulfide, dissolved	140	1,000	<140	<140	540 J	1,210	4,170	1,420	<140	<140	<140	<140	<140	164,000	<140	5,350	<140	9,540	<140	<140	770 J	1,120	<140	<140
Performance Parameters (mg/L)																								
Iron, total	0.05	0.25	1.67	66.90	2.48	10.35	74.26	1.93	2.48	0.63	11.16	11.25	1.98	25.50	2.11	21.76	<0.05	4.08	1.00	0.41	--	11.14	<0.05	
Iron, dissolved	0.05	0.25	1.22	66.62	3.08	10.08	58.40	2.00	0.07 J	0.59	11.62	7.48	0.15 J	25.06	0.20 J	20.00	<0.05	3.95	0.84	0.59	--	7.90	<0.05	
Manganese	0.02	0.05	0.05	1.33	0.18	0.60	0.52	0.31	0.22	0.15	0.45	1.23	0.08	0.40	0.22	0.42	0.21	0.17	0.28	0.09	--	1.24	<0.02	
Field Measurements																								
Dissolved Oxygen (mg/L)	N/A	N/A	2.70	0.43	0.41	0.56	0.32	0.37	5.60	1.28	0.31	0.72	1.00	0.40	1.12	0.79	1.11	0.41	0.41	0.31	--	0.72	--	
Oxidation Reduction Potential (mV)	N/A	N/A	71	-1	-146	4	-253	-265	51	-186	-128	75	-416	1	-280	18	-258	-20	-112	-172	--	75	--	
pH (S.U.)	N/A	N/A	6.05	6.11	6.71	6.53	6.23	6.68	7.11	7.15	6.67	5.42	8.13	6.19	6.86	4.87	7.41	6.23	6.87	7.09	--	5.42	--	
Specific Conductance (uS/cm)	N/A	N/A	335	8910	5270	20000	13980	29700	10040	27000	8930	20500	30000	30000	27700	30000	3000	3100	29700	27700	--	20500	--	
Temperature (Degrees Celsius)	N/A	N/A	14.80	18.67	14.63	18.33	15.31	14.93	13.06	17.20	18.17	19.10	12.97	16.50	12.07	14.56	15.86	17.31	13.28	17.17	--	19.10	--	
Turbidity (NTU)	N/A	N/A	35.3	3.43	1.20	0.64	3.03	13.8	17.3	2.82	4.44	6.04	20.6	6.32	8.40	3.62	4.00	8.58	6.73	9.37	--	6.04	--	

Surface Water

Parameter Name	LOD	LOQ	SW-1	SW-2	SW-3	SW-4	SW-4 DUP	SW FIELD BLK
Sample Date			4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014
Primary Constituents (µg/L)								
Arsenic, total	2	10	4 J	<2	<2	<2	<2	<2
Arsenic III	0.009	0.46	<0.009	<0.009	<0.009	<0.009	<0.009	--
Arsenic V	0.007	0.36	0.41	0.58	0.52	<0.007	0.67	--
Beryllium, total	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, total	0.6	3	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Sulfide, dissolved	140	1,000	<140	<140	<140	<140	<140	--
Water Quality Parameters (mg/L)								
Iron, total	0.05	0.25	0.65	0.52	0.57	0.51	0.52	<0.05
Total Suspended Solids	1	1	8.8	14.5	12.1	13.3	13.4	<1
Field Measurements								
Dissolved Oxygen (mg/L)	N/A	N/A	15.25	13.51	15.35	11.60	11.57	--
Oxidation Reduction Potential (mV)	N/A	N/A	-44	-51	-61	-94	-87	--
pH (S.U.)	N/A	N/A	7.34	7.40	7.13	6.44	6.73	--
Specific Conductance (uS/cm)	N/A	N/A	22900	20640	18900	19700	18200	--
Temperature (Degrees Celsius)	N/A	N/A	13.38	13.35	15.46	13.02	14.75	--
Turbidity (NTU)	N/A	N/A	6.57	6.88	7.07	7.67	5.96	--

Notes:

LOD = Limit of detection
LOQ = Limit of quantitation
mg/L = Milligrams per liter
mV = Millivolts
N/A = Not applicable
NT = Not tested
NTU = Nephelometric Turbidity Units
S.U. = Standard units
µg/L = Micrograms per liter
uS/cm = MicroSiemens per centimeter
Bold font = Detected concentration

Data Qualifiers:

J = Concentration is between LOD and LOQ, and is considered estimated.
U = Not detected.