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5000 Dominion Boulevard, Glen Allen, VA 23060
dom.com



November 12, 2015

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
2015 2nd Semi-Annual Monitoring (September 8-10, 2015)
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 that reads "Cathy C. Taylor". The signature is written in a cursive style with a large, prominent "C" at the beginning.

Cathy C. Taylor
Director, Environmental Services

Attachments

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia*

cc (cover letter only):

Geoff Christe
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Table 1
Summary of Corrective Action Monitoring Data
2015 2nd Semi-Annual Monitoring (September 8-10, 2015)
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	FIELD BLANK
Sample Date			9/9/2015	9/10/2015	9/9/2015	9/10/2015	9/9/2015	9/9/2015	9/10/2015	9/10/2015	9/9/2015	9/9/2015	9/10/2015	9/8/2015	9/9/2015	9/10/2015	9/9/2015	9/9/2015	9/9/2015	9/9/2015	9/10/2015	9/8/2015
Primary Performance Parameters (µg/L)																						
Arsenic, total	2	10	7 J	<2	738	36	7 J	78	NT	342	254	24	<2	22	67	<2	22	<2	122	121	6 J	<2
Arsenic, dissolved	2	10	6 J	<2	521	30	5 J	84	NT	283	251	24	<2	14	45	<2	19	<2	119	107	7 J	<2
Arsenic III	0.151	2.00	0.754 J	<0.151	3.56	6.92	2.29	28.0	NT	62.7	57.6	20.0	1.05 J	2.05	29.4	0.578 J	0.719 J	<0.151	28.6	19.4	0.955 J	<0.151
Arsenic V	0.157	2.00	1.71 J	<0.157	11.0	4.31	1.33 J	12.4	NT	66.4	38.3	<0.157	0.441 J	0.529 J	19.0	<0.157	12.8	<0.157	40.2	34.2	1.82 J	<0.157
Beryllium, total	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NT	<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	<0.2
Beryllium, dissolved	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NT	<0.2	<0.2	0.3 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, total	0.6	3	<0.6	39.1	<0.6	<0.6	4.5	<0.6	NT	<0.6	<0.6	5.7	<0.6	<0.6	<0.6	0.8 J	<0.6	<0.6	5.3	<0.6	<0.6	<0.6
Cobalt, dissolved	0.6	3	<0.6	35.8	<0.6	<0.6	<0.6	<0.6	NT	<0.6	<0.6	5.1	<0.6	<0.6	<0.6	1.3 J	<0.6	<0.6	3.3	<0.6	<0.6	<0.6
Sulfide	500	1,000	<500	<500	<500	<500	8,310	<500	NT	<500	<500	<500	<500	54,700	2,250	<500	5,410	<500	610 J	<500	<500	<500
Sulfide, dissolved	140	1,000	<140	<140	<140	<140	3,180	<140	NT	300 J	<140	<140	<140	76,900	1,590	<140	2,960	<140	670 J	280 J	<140	<140
Performance Parameters (mg/L)																						
Iron, total	0.05	0.25	3.32	54.52	2.86	7.02	35.05	10.03	NT	0.31	10.74	8.88	2.74	19.87	3.31	19.64	<0.05	1.18	0.61	0.54	2.82	<0.05
Iron, dissolved	0.05	0.25	3.41	60.34	2.53	7.00	7.94	9.66	NT	0.32	11.6	8.62	0.16 J	18.55	3.92	19.1	<0.05	1.36	0.44	0.61	2.99	<0.05
Manganese	0.02	0.05	<0.02	1.51	0.29	0.42	0.35	0.31	NT	0.06	0.31	0.39	0.16	0.30	0.18	0.31	0.26	0.08	0.14	0.07	<0.02	<0.02
Field Measurements																						
Dissolved Oxygen (mg/L)	N/A	N/A	1.25	0.63	1.74	0.31	0.36	0.36	NT	0.63	0.49	0.43	0.42	0.39	0.27	0.92	1.12	0.50	0.72	0.23	1.21	--
Oxidation Reduction Potential (mV)	N/A	N/A	-92	3	-107	-22	-216	-171	NT	-191	-152	94	-366	-54	-275	104	-295	3	-267	-271	-92	--
pH (S.U.)	N/A	N/A	5.88	5.78	6.58	6.50	6.38	6.58	NT	7.22	6.40	5.26	7.33	6.24	6.31	4.94	6.93	6.34	6.88	7.04	5.89	--
Specific Conductance (uS/cm)	N/A	N/A	380	8260	8780	19800	12980	29.7	NT	22600	6990	20600	30200	30000	21300	30000	3170	3430	24800	25500	381	--
Temperature (Degrees Celsius)	N/A	N/A	22.74	20.47	20.32	20.22	21.33	18.29	NT	18.55	19.29	18.97	26.17	18.38	22.15	17.18	20.62	20.70	22.63	19.85	22.74	--
Turbidity (NTU)	N/A	N/A	8.64	0.54	7.96	0.48	14.2	0.80	NT	0.84	1.27	0.92	64.4	17.5	11.1	1.52	5.10	2.85	2.05	5.04	9.01	--

Surface Water

Parameter Name	LOD	LOQ	SW-1	SW-2	SW-3	SW-4	SW-1 DUP	SW FIELD BLK
Sample Date			9/10/2015	9/9/2015	9/9/2015	9/9/2015	9/10/2015	9/10/2015
Primary Constituents (µg/L)								
Arsenic, total	2	10	2 J	2 J	<2	<2	<2	<2
Arsenic III	0.151	2	0.306 J	<0.151	<0.151	<0.151	0.289 J	<0.151
Arsenic V	0.157	2	1.45 J	1.36 J	1.20 J	1.25 J	1.59 J	<0.157
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	500	1000	<500	<500	<500	<500	<500	<500
Sulfide, dissolved	140	1000	<140	<140	<140	<140	<140	<140
Water Quality Parameters (mg/L)								
Iron, total	0.05	0.25	0.38	0.59	0.40	0.51	0.42	<0.05
Total Suspended Solids	1	1	17.0	26.5	10.5	12.6	15.8	<1
Field Measurements								
Dissolved Oxygen (mg/L)	N/A	N/A	4.04	7.72	6.15	6.52	4.04	--
Oxidation Reduction Potential (mV)	N/A	N/A	-93	98	95	99	-93	--
pH (S.U.)	N/A	N/A	7.69	7.59	7.35	7.28	7.69	--
Specific Conductance (uS/cm)	N/A	N/A	3200	3100	3120	3130	3200	--
Temperature (Degrees Celsius)	N/A	N/A	28.51	29.81	28.63	28.89	28.51	--
Turbidity (NTU)	N/A	N/A	10.8	11.4	7.06	7.4	10.8	--

Notes:

LOD = Limit of detection
LOQ = Limit of quantitation
mg/L = Milligrams per liter
mV = Millivolts
N/A = Not applicable
NT = Not tested; well dry
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.