



October 9, 2013

Ms. Susan Hobbs, Library Manager
Major Hillard Library
824 Old George Washington Highway North
Chesapeake, VA 23323

**RE: Data Repository
Chesapeake Energy Center
2701 Vepco 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:

*Table 1
Summary of Corrective Action Monitoring Data
2013, 2nd Quarter (May 14, 15 and 20, 2013)
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,

Cathy C. Taylor
Director, Environmental Services

Attachment

*Data Repository
Chesapeake Energy Center
Chesapeake, Virginia*

cc (cover letter only):

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Table 1
Summary of Corrective Action Monitoring Data
2013 2nd Quarter (May 14-15 and 20, 2013)
Chesapeake Energy Center Industrial Landfill - Permit #440
Chesapeake, Virginia

Groundwater Monitoring Wells

Parameter Name	LOD	LOQ	MW-5	MW-5 DUP	MW-5D	CECW-1	CECW-1D	CECW-2	CECW-2D	CECW-3	CECW-3D	CECW-6I	CECW-6D	CECW-8	CECW-8 DUP	CECW-8D	CECW-10R	CECW-15	PO-8	PO-8D	PO-10	PO-10D	PO-10D DUP	FIELD BLANK
Sample Date			5/14/2013	5/14/2013	5/15/2013	5/14/2013	5/15/2013	5/14/2013	5/15/2013	5/14/2013	5/15/2013	5/14/2013	5/15/2013	5/20/2013	5/20/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/15/2013	5/14/2013	5/15/2013	5/15/2013	5/14/2013
Primary Performance Parameters (µg/L)																								
Arsenic, total	2	10	6 J	8 J	<2	20	26	19	108	52	258	308	22	<2	<2	23	109	<2	18	2 J	153	168	143	<2
Arsenic, dissolved	2	10	8 J	7 J	<2	28	24	11	85	21	255	294	23	<2	<2	12	96	<2	20	<2	143	144	145	<2
Arsenic III	0.002	0.20	1.88	5.84	0.85	16.0	26.1	6.26	71.7	0.70	178	269	22.6	1.92	NT	15.0	15.2	<0.002 U	<0.002 U	1.21	74.8	88.6	NT	<0.002 U
Arsenic V	0.002	0.18	2.14	2.04	1.03	2.74	2.04	1.87	4.86	44.3	7.43	8.71	2.88	0.95	NT	6.89	2.84	1.18	1.96	1.14	12.3	3.95	NT	0.33
Beryllium, total	0.2	1	<0.2	<0.2	0.2 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.6 J	0.2 J	<0.2	<0.2	<0.2	0.3 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Beryllium, dissolved	0.2	1	<0.2	<0.2	0.2 J	<0.2	0.3 J	0.2 J	<0.2	<0.2	<0.2	<0.2	0.6 J	<0.2	<0.2	<0.2	<0.2	0.4 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cobalt, total	0.6	3	<0.6	<0.6	33.0	<0.6	1.1 J	12.0	<0.6	26.7	<0.6	2.0 J	7.0	<0.6	<0.6	<0.6	<0.6	2.0 J	<0.6	3.2	<0.6	<0.6	<0.6	<0.6
Cobalt, dissolved	0.6	3	<0.6	<0.6	32.9	<0.6	<0.6	8.7	<0.6	3.3	<0.6	1.4 J	6.9	<0.6	<0.6	0.7 J	<0.6	2.0 J	<0.6	2.5 J	<0.6	<0.6	<0.6	<0.6
Sulfide	1,000	1,000	<1000	<1000	<1000	<1000	<1000	2,200	<1000	<1000	<1000	<1000	<1000	27,100	NT	<1000	2,600	1,100	7,800	<1000	<1000	<1000	NT	<1000
Sulfide, dissolved	1,000	1,000	<1000	<1000	<1000	<1000	<1000	1,300	<1000	<1000	<1000	<1000	<1000	6,900	NT	<1000	1,100	<1000	4,100	<1000	<1000	<1000	NT	<1000
Performance Parameters (mg/L)																								
Iron, total	0.05	0.25	1.27	7.82	77.80	6.34	9.21	81.68	13.54	1.13	0.74	14.01	10.44	11.20	10.50	28.54	1.53	32.12	<0.05	3.42	1.51	0.61	0.68	<0.05
Iron, dissolved	0.05	0.25	6.02	9.28	79.16	6.08	9.29	56.14	11.02	0.10 J	0.77	14.64	10.82	0.22 J	0.20 J	26.41	1.34	30.95	0.06 J	2.64	1.47	1.47	1.29	<0.05
Manganese	0.02	0.05	0.07 J	0.05 J	1.62	0.20	0.56	0.79	0.40	0.18	0.11	0.44	0.37	0.29	0.27	0.37	0.18	0.39	0.40	0.09 J	0.21	0.08 J	0.06 J	<0.02
Field Measurements																								
Dissolved Oxygen (mg/L)	N/A	N/A	0.84	0.84	1.44	0.60	1.13	0.67	1.11	1.49	1.25	0.46	0.48	0.55	0.52	0.41	0.37	0.34	1.31	0.81	0.65	0.37	0.37	--
Oxidation Reduction Potential (mV)	N/A	N/A	30	30	-30	-189	-73	-201	-194	158	-160	-172	-16	-365	-365	-20	-279	-84	-274	-7	-159	-203	-203	--
pH (S.U.)	N/A	N/A	5.79	5.79	6.51	6.72	6.98	6.03	7.01	7.07	7.14	7.17	5.16	6.96	6.96	6.35	6.44	4.78	6.84	6.83	6.82	7.13	7.13	--
Specific Conductance (uS/cm)	N/A	N/A	522	522	10870	6500	20700	18000	30900	19920	28300	11340	20900	30400	30400	30100	27100	30500	4000	3510	28900	28200	28200	--
Temperature (Degrees Celsius)	N/A	N/A	16.63	16.63	19.45	16.12	17.86	16.65	18.26	15.33	18.90	18.61	18.97	20.70	20.68	17.33	15.81	15.53	16.80	19.66	17.55	19.27	19.27	--
Turbidity (NTU)	N/A	N/A	8.80	8.80	2.04	1.28	0.48	3.28	8.63	28.0	1.98	0.67	1.25	198.0	195.0	32.0	9.67	9.70	1.30	5.84	9.12	0.21	0.21	--

Surface Water

Parameter Name	LOD	LOQ	SW-1	SW-1 DUP	SW-2	SW-3	SW-4	SW FIELD BLK
Sample Date			5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/14/2013
Primary Constituents (µg/L)								
Arsenic, total	2	10	<2	<2	<2	<2	<2	<2
Arsenic III	0.002	0.20	<0.002 U	0.67	<0.002 U	0.88	0.92	--
Arsenic V	0.002	0.18	2.28	1.60	1.83	2.02	2.33	--
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	1,000	1,000	<1000	<1000	<1000	<1000	<1000	--
Water Quality Parameters (mg/L)								
Iron, total	0.05	0.25	0.59	0.53	0.62	0.98	1.38	<0.05
Total Suspended Solids	1	1	7.8	7.9	12.2	27.5	33.6	<1
Field Measurements								
Dissolved Oxygen (mg/L)	N/A	N/A	7.76	7.17	8.78	9.87	8.47	--
Oxidation Reduction Potential (mV)	N/A	N/A	116	110	115	97	54	--
pH (S.U.)	N/A	N/A	6.19	6.45	6.65	6.80	7.10	--
Specific Conductance (uS/cm)	N/A	N/A	25300	25300	24800	24900	24600	--
Temperature (Degrees Celsius)	N/A	N/A	22.73	22.74	21.90	21.41	21.55	--
Turbidity (NTU)	N/A	N/A	8.29	8.00	9.14	15.20	17.00	--

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.