

Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWA-1	HGWA-1	HGWA-1	HGWA-1	HGWA-1	HGWA-1	HGWA-1	HGWA-1
			05/19/2016	07/11/2016	08/30/2016	10/19/2016	12/06/2016	01/24/2017	03/21/2017	05/22/2017
APPENDIX III	Boron	N/R	ND (0.0214 J)	ND (0.0142 J)	ND (0.0074 J)	ND (0.0224 J)	ND (0.0211 J)	ND (0.0165 J)	ND (0.0187 J)	0.0782
	Calcium	N/R	138	97.2	97.5	99.2	105	95.7	106	107
	Chloride	(250)	9.94	6.3	6.0	5.8	5.4	5.2	4.6	4.6
	Fluoride	4	ND (0.1050 J)	ND (0.16 J)	ND (0.09 J)	ND (0.10 J)	ND (0.11 J)	ND (0.09 J)	ND (0.13 J)	ND (0.12 J)
	Sulfate	(250)	66.9	41	36	46	59	46	63	77
	TDS	(500)	421	363	330	380	377	342	340	338
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND (0.0014 J)	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND (0.0005 J)	ND
	Barium	2	0.0346	0.0311	0.0293	0.0293	0.0304	0.0280	0.0275	0.0281
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0005 J)	ND
	Cobalt	N/R	ND	ND (0.0004 J)	ND	ND	ND	ND	ND	ND
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND
	Lithium	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	0.002	ND	ND	ND (0.00004 J)	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.397 U	0.738 U	0.581 U	0.213 U	0.444 U	0.373 U	0.816 U	0.554 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically at the conclusion of all the background sampling events, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
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Substance		MCL/ (SMCL)	Well ID							
			HGWA-2	HGWA-2	HGWA-2	HGWA-2	HGWA-2	HGWA-2	HGWA-2	HGWA-2
			05/19/2016	07/11/2016	08/30/2016	10/19/2016	12/06/2016	01/24/2017	03/21/2017	05/22/2017
APPENDIX III	Boron	N/R	ND (0.0321 J)	ND (0.0337 J)	ND (0.0173 J)	ND (0.0341 J)	ND (0.0326 J)	ND (0.0365 J)	ND (0.0349 J)	0.0475
	Calcium	N/R	22.9	22.3	26.4	21.7	18.2	18.5	18.6	17.8
	Chloride	(250)	6.14	5.9	6.2	6.1	6.0	6.1	5.9	5.9
	Fluoride	4	ND (0.0303 J)	ND (0.05 J)	ND (0.06 J)	ND (0.04 J)	0.36	ND	ND	ND
	Sulfate	(250)	48.6	45	42	44	44	46	46	48
	TDS	(500)	143	125	168	176	145	129	103	92
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND (0.00127 J)	ND (0.0020 J)	ND (0.0017 J)	ND	ND	ND	ND	ND (0.0006 J)
	Barium	2	0.114	0.112	0.131	0.111	0.108	0.102	0.0950	0.103
	Beryllium	0.004	ND	ND (0.0001 J)	ND	ND (0.0001 J)	ND (0.0002 J)	ND (0.0001 J)	ND (0.0001 J)	ND (0.0001 J)
	Cadmium	0.005	ND	ND	ND	ND	ND	ND (0.0001 J)	ND (0.00007 J)	ND (0.0001 J)
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	0.0293	0.0267	0.0280	0.0201	0.0184	0.0206	0.0251	0.0263
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND (0.00006 J)	ND (0.00009 J)
	Lithium	N/R	ND	ND (0.0014 J)	ND	ND	ND	ND	ND (0.0012 J)	ND
	Mercury	0.002	ND	ND	ND (0.00004 J)	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.627 U	1.38	1.05 U	1.11 U	0.741 U	0.908 U	0.567 U	0.638 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND (0.00003 J)	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWA-3	HGWA-3	HGWA-3	HGWA-3	HGWA-3	HGWA-3	HGWA-3	HGWA-3
			05/19/2016	07/12/2016	08/30/2016	10/19/2016	12/06/2016	01/24/2017	03/21/2017	05/22/2017
APPENDIX III	Boron	N/R	ND	ND (0.0074 J)	ND	ND (0.0085 J)	ND (0.0085 J)	ND (0.0100 J)	ND (0.0079 J)	ND (0.0131 J)
	Calcium	N/R	76.2	61.5	65.1	73.2	74.9	69.6	75.7	71.5
	Chloride	(250)	5.93	6.2	6.4	6.5	7.2	6.4	7.5	6.5
	Fluoride	4	ND (0.0513 J)	ND (0.12 J)	ND (0.09 J)	ND (0.1 J)	ND (0.21 J)	ND (0.06 J)	ND (0.005 J)	ND (0.05 J)
	Sulfate	(250)	42.3	44	40	43	43	48	45	46
	TDS	(500)	267	249	254	357	285	300	288	263
APPENDIX IV	Antimony	0.006	ND	ND (0.0003 J)	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND (0.0008 J)	ND	ND	ND	ND	ND (0.0007 J)	ND (0.0006 J)
	Barium	2	0.111	0.115	0.113	0.123	0.127	0.126	0.120	0.117
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND (0.0007 J)
	Cobalt	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Lead	0.015	ND	ND (0.0001 J)	ND	ND	ND	ND	ND (0.0001 J)	ND
	Lithium	N/R	ND	ND (0.0024 J)	ND (0.0025 J)	ND (0.0030 J)	ND (0.0033 J)	ND (0.0030 J)	ND (0.0034 J)	ND (0.0030 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.342 U	0.499 U	0.976 U	0.626 U	0.805 U	0.336 U	0.358 U	0.744 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWA-4	HGWA-4	HGWA-4	HGWA-4	HGWA-4	HGWA-4	HGWA-4	HGWA-4
			05/19/2016	07/11/2016	08/30/2016	10/19/2016	12/06/2016	01/24/2017	03/21/2017	05/23/2017
APPENDIX III	Boron	N/R	ND	ND (0.0175 J)	ND (0.0072 J)	ND (0.0180 J)	ND (0.0158 J)	ND (0.0145 J)	ND (0.0101 J)	ND (0.0159 J)
	Calcium	N/R	48.4	73.0	85.7	89.7	80.0	30.8	34.0	43.0
	Chloride	(250)	4.56	5.0	4.9	4.6	4.5	4.7	4.3	4.5
	Fluoride	4	ND (0.0360 J)	ND (0.09 J)	ND (0.06 J)	ND (0.07 J)	ND (0.07 J)	ND	ND	ND (0.01 J)
	Sulfate	(250)	1.22	3.7	6.8	11	13	5.7	1.7	1.5
	TDS	(500)	165	266	292	338	356	131	132	183
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	0.0266	0.0309	0.031	0.0332	0.0334	0.0192	0.0175	0.0227
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0004 J)	ND
	Cobalt	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Lead	0.015	ND	ND	ND	ND	ND (0.0002 J)	ND	ND	ND
	Lithium	N/R	ND	ND (0.0015 J)	ND (0.0027 J)	ND (0.0042 J)	ND (0.0046 J)	ND	ND	ND
	Mercury	0.002	ND	ND	ND (0.00005 J)	ND	ND (0.00005 J)	ND (0.00010 J)	ND (0.00016 J)	ND (0.00005 J)
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.662 U	1.19	0.847 U	2.34	0.925 U	0.607 U	0.0740 U	0.550 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWA-5	HGWA-5	HGWA-5	HGWA-5	HGWA-5	HGWA-5	HGWA-5	HGWA-5
			05/19/2016	07/11/2016	08/30/2016	10/20/2016	12/08/2016	01/24/2017	03/21/2017	05/23/2017
APPENDIX III	Boron	N/R	ND	ND (0.0052 J)	ND (0.0068 J)	ND (0.0135 J)	ND (0.0083 J)	ND (0.0072 J)	ND	ND (0.0095 J)
	Calcium	N/R	35.5	35.4	28.0	26.7	23.5	24.5	30.8	24.2
	Chloride	(250)	1.57	2.0	2.0	2.2	2.0	1.6	2.0	1.7
	Fluoride	4	ND (0.0800 J)	ND (0.09 J)	ND (0.08 J)	ND (0.10 J)	ND (0.08 J)	ND (0.09 J)	ND (0.04 J)	ND (0.04 J)
	Sulfate	(250)	25.0	27	23	19	20	20	23	21
	TDS	(500)	168	158	141	99	116	156	144	134
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND (0.0023 J)	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	0.0519	0.0565	0.0548	0.0539	0.0496	0.0478	0.0453	0.0496
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	ND	ND (0.0010 J)	ND (0.0010 J)	ND (0.0008 J)	ND (0.0006 J)	ND (0.0006 J)	ND (0.0008 J)	ND (0.0006 J)
	Lead	0.015	ND	ND	ND	ND (0.0002 J)	ND	ND	ND	ND (0.00009 J)
	Lithium	N/R	ND	ND (0.0034 J)	ND (0.0030 J)	ND (0.0031 J)	ND (0.0027 J)	ND (0.0028 J)	ND (0.0037 J)	ND (0.0033 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.685 U	1.68	2.42	0.351 U	0.905 U	0.0774 U	0.0599 U	0.477 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND (0.0011 J)	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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			HGWA-6	HGWA-6	HGWA-6	HGWA-6	HGWA-6	HGWA-6	HGWA-6	HGWA-6
			05/20/2016	07/11/2016	08/30/2016	10/20/2016	12/08/2016	01/24/2017	03/21/2017	05/23/2017
APPENDIX III	Boron	N/R	ND (0.0363 J)	ND (0.0179 J)	ND (0.0140 J)	ND (0.0197 J)	ND (0.0159 J)	ND	ND (0.0166 J)	ND (0.0167 J)
	Calcium	N/R	56.1	49.3	53.9	50.7	49.2	48.3	51.3	49.1
	Chloride	(250)	1.35	1.7	1.6	1.6	1.6	1.9	1.3	1.2
	Fluoride	4	ND (0.0650 J)	ND (0.13 J)	ND (0.07 J)	ND (0.06 J)	ND (0.06 J)	ND (0.02 J)	ND (0.08 J)	ND (0.006 J)
	Sulfate	(250)	34.4	34	36	36	36	37	37	38
	TDS	(500)	223	225	232	225	235	272	222	231
APPENDIX IV	Antimony	0.006	ND	ND (0.0010 J)	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	0.174	0.134	0.212	0.157	0.162	0.168	0.186	0.187
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0007 J)	ND
	Cobalt	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND (0.0003 J)
	Lithium	N/R	ND	ND (0.0100 J)	ND (0.0095 J)	ND (0.0105 J)	ND (0.0100 J)	ND (0.0108 J)	ND (0.0115 J)	ND (0.0110 J)
	Mercury	0.002	ND	ND	ND (0.000044 J)	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND (0.0008 J)	ND	ND	ND	ND	ND (0.0002 J)	ND
	Radium	5	0.843 U	0.494 U	0.946 U	0.664 U	0.421U	0.965 U	0.139 U	0.308 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-7	HGWC-7	HGWC-7	HGWC-7	HGWC-7	HGWC-7	HGWC-7	HGWC-7
			05/20/2016	07/12/2016	09/01/2016	10/20/2016	12/06/2016	01/25/2017	03/21/2017	05/23/2017
APPENDIX III	Boron	N/R	0.885	0.857	0.904	0.936	1.06	0.764	0.857	0.910
	Calcium	N/R	117	88.8	96.3	96.9	104	94.5	109	93.3
	Chloride	(250)	50.4	50	50	49	51	54	46	49
	Fluoride	4	ND (0.0828 J)	ND (0.20 J)	0.51	0.40	ND (0.26 J)	ND (0.24 J)	ND (0.13 J)	ND (0.11 J)
	Sulfate	(250)	96.0	100	100	110	110	110	110	110
	TDS	(500)	427	410	484	393	492	461	415	450
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	0.0687	0.0731	0.0747	0.0720	0.0752	0.0747	0.0722	0.0794
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.0001 J)
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	ND	ND (0.0003 J)	ND	ND (0.0008 J)	ND (0.0009 J)	ND (0.0005 J)	ND (0.0005 J)	ND (0.0005 J)
	Lead	0.015	ND	ND	ND	ND	ND (0.0001 J)	ND (0.0001 J)	ND (0.00009 J)	ND (0.00008 J)
	Lithium	N/R	ND	ND (0.0021 J)	ND (0.0025 J)	ND (0.0021 J)	ND (0.0026 J)	ND (0.0024 J)	ND (0.0026 J)	ND (0.0026 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	0.0280	0.0273	0.0274	0.0360	0.0365	0.0317	0.0346	0.0336
	Radium	5	0.62 U	0.283 U	0.703 U	1.97	2.00	1.06 U	0.668 U	0.621 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Plant Hammond Ash Ponds

Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-8	HGWC-8	HGWC-8	HGWC-8	HGWC-8	HGWC-8	HGWC-8	HGWC-8
			05/20/2016	07/12/2016	09/01/2016	10/20/2016	12/06/2016	01/25/2017	03/21/2017	05/23/2017
APPENDIX III	Boron	N/R	1.71	1.43	1.91	1.72	2.06	2.01	2.08	2.32
	Calcium	N/R	159	127	135	134	142	142	148	140
	Chloride	(250)	109	110	110	110	100	110	110	130
	Fluoride	4	0.4990	0.67	0.94	0.56	0.76	1.1	0.46	0.65
	Sulfate	(250)	219	230	230	240	250	260	240	270
	TDS	(500)	711	704	763	644	733	744	818	765
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	0.0808	0.0830	0.0829	0.0811	0.0845	0.0780	0.0791	0.0846
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND (0.000240 J)	ND (0.0002 J)	ND (0.0001 J)	ND (0.00010 J)	0.0017	ND (0.0002 J)	ND (0.0002 J)	ND (0.0003 J)
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0005 J)	ND
	Cobalt	N/R	ND (0.00207 J)	ND (0.0019 J)	ND (0.0023 J)	ND (0.0020 J)	ND (0.0026 J)	ND (0.0020 J)	ND (0.0023 J)	ND (0.0023 J)
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND
	Lithium	N/R	ND	ND (0.0023 J)	ND (0.0029 J)	ND (0.0027 J)	ND (0.0032 J)	ND (0.0026 J)	ND (0.0029 J)	ND (0.0029 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	0.446	0.455	0.481	0.472	0.520	0.478	0.547	0.482
	Radium	5	0.56 U	0.636 U	0.818 U	1.04 U	0.771 U	0.859 U	0.851 U	0.705 U
	Selenium	0.05	ND	ND	ND	ND	ND (0.0024 J)	ND	ND	ND
	Thallium	0.002	ND	ND (0.00007 J)	ND	ND	ND	ND	ND (0.00009 J)	ND (0.00008 J)

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Plant Hammond Ash Ponds

Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-9	HGWC-9	HGWC-9	HGWC-9	HGWC-9	HGWC-9	HGWC-9	HGWC-9
			05/23/2016	07/12/2016	09/01/2016	10/20/2016	12/06/2016	01/26/2017	03/22/2017	05/23/2017
APPENDIX III	Boron	N/R	1.76	1.56	2.00	1.68	2.15	1.87	1.99	2.29
	Calcium	N/R	179	174	170	133	181	175	183	181
	Chloride	(250)	152	160	160	110	150	170	160	150
	Fluoride	4	ND	ND (0.24 J)	0.46	0.56	0.31	ND (0.004 J)	ND (0.28 J)	ND (0.29 J)
	Sulfate	(250)	207	230	230	240	240	270	240	240
	TDS	(500)	984	887	956	642	899	869	936	939
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND (0.0008 J)	ND
	Barium	2	0.117	0.13	0.130	0.0806	0.128	0.142	0.122	0.127
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND (0.0002 J)	ND (0.0001 J)	ND	ND (0.00007 J)	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	ND	ND (0.0006 J)	ND (0.0007 J)	ND (0.0020 J)	ND (0.0011 J)	ND (0.0006 J)	ND (0.0005 J)	ND (0.0006 J)
	Lead	0.015	ND	ND	ND	ND	ND (0.0002 J)	ND (0.0001 J)	ND	ND (0.0001 J)
	Lithium	N/R	ND	ND (0.0040 J)	ND (0.0044 J)	ND (0.0027 J)	ND (0.0050 J)	ND (0.0042 J)	ND (0.0043 J)	ND (0.0048 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND (0.00004 J)	ND	ND
	Molybdenum	N/R	0.0187	0.0229	0.0239	0.477	0.0236	0.0234	0.0219	0.0242
	Radium	5	0.826 U	0.511 U	0.762 U	1.17	0.126 U	0.515 U	0.451 U	0.924 U
	Selenium	0.05	ND	ND	ND	ND	ND (0.0037 J)	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Plant Hammond Ash Ponds

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-10	HGWC-10	HGWC-10	HGWC-10	HGWC-10	HGWC-10	HGWC-10	HGWC-10
			05/23/2016	07/12/2016	09/01/2016	10/24/2016	12/07/2016	01/26/2017	03/22/2017	05/24/2017
APPENDIX III	Boron	N/R	0.720	0.778	0.786	0.831	1.01	0.108	0.788	0.814
	Calcium	N/R	167	143	156	156	183	82.6	154	171
	Chloride	(250)	56.1	63	77	99	96	7.0	82	81
	Fluoride	4	ND (0.0394 J)	ND (0.15 J)	0.50	ND (0.06 J)	0.44	ND (0.29 J)	0.34	ND (0.13 J)
	Sulfate	(250)	175	190	190	190	200	90	170	190
	TDS	(500)	629	661	769	643	697	368	683	696
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	0.0877	0.0926	0.0994	0.101	0.107	0.0538	0.0962	0.0996
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND (0.000115 J)	ND	ND (0.0001 J)	ND (0.0001 J)	ND (0.0001 J)	ND	ND (0.0001 J)	ND (0.0002 J)
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	ND	ND (0.0006 J)	ND (0.0007 J)	ND (0.0009 J)	ND (0.0012 J)	ND	ND (0.0006 J)	ND (0.0006 J)
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND
	Lithium	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND (0.00005 J)	ND	ND
	Molybdenum	N/R	ND	ND (0.0013 J)	ND	ND	ND	ND	ND (0.0013 J)	ND (0.0014 J)
	Radium	5	0.419 U	0.855	0.844 U	0.917 U	0.558 U	0.922 U	0.751 U	0.725 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND (0.0041 J)	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-11	HGWC-11	HGWC-11	HGWC-11	HGWC-11	HGWC-11	HGWC-11	HGWC-11
			05/23/2016	07/12/2016	09/01/2016	10/24/2016	12/07/2016	01/26/2017	03/22/2017	05/24/2017
APPENDIX III	Boron	N/R	0.787	1.17	1.49	2.54	2.96	2.23	0.840	2.29
	Calcium	N/R	131	124	107	145	159	121	130	117
	Chloride	(250)	51.9	100	58	220	180	90	37	69
	Fluoride	4	ND (0.2030 J)	0.44	0.67	ND (0.26 J)	0.55	ND (0.27 J)	0.66	0.35
	Sulfate	(250)	260	390	240	370	260	230	330	230
	TDS	(500)	564	627	656	836	748	571	597	566
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND (0.0015 J)	ND	ND	ND	ND	0.0053	ND
	Barium	2	0.0466	0.0616	0.0497	0.0794	0.100	0.0696	0.0346	0.0437
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND (0.00009 J)	ND
	Cadmium	0.005	ND	ND	ND	ND	ND (0.0001 J)	ND	ND (0.0001 J)	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0003 J)	ND
	Cobalt	N/R	ND	ND (0.0021 J)	ND (0.0025 J)	ND (0.0032 J)	ND (0.0030 J)	ND (0.0014 J)	ND (0.0014 J)	ND (0.0008 J)
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND (0.0003 J)	ND (0.00009 J)
	Lithium	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND (0.00005 J)	ND	ND
	Molybdenum	N/R	0.0164	0.0251	0.0259	0.0293	0.0209	0.0277	0.0110	0.0373
	Radium	5	0.509 U	0.784 U	0.261 U	1.42	0.781 U	0.842 U	0.318 U	0.687 U
	Selenium	0.05	0.0106	ND (0.0057 J)	ND (0.0057 J)	ND (0.0021 J)	ND (0.0015 J)	ND (0.0062 J)	0.0263	ND (0.0038 J)
	Thallium	0.002	ND	ND (0.00008 J)	ND	ND	ND	ND	ND	ND (0.00008 J)

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-12	HGWC-12	HGWC-12	HGWC-12	HGWC-12	HGWC-12	HGWC-12	HGWC-12
			05/23/2016	07/12/2016	09/01/2016	10/24/2016	12/07/2016	01/26/2017	03/22/2017	05/24/2017
APPENDIX III	Boron	N/R	2.20	1.98	2.28	2.75	3.35	3.07	3.04	2.95
	Calcium	N/R	195	181	179	193	193	172	162	158
	Chloride	(250)	160	160	140	160	190	160	130	120
	Fluoride	4	ND (0.2120 J)	0.31	0.62	ND (0.19 J)	0.73	ND (0.12 J)	0.44	0.34
	Sulfate	(250)	288	320	300	270	280	260	220	210
	TDS	(500)	1060	909	1480	868	811	846	804	803
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND (0.00460 J)	0.0050	ND (0.0043 J)	ND (0.0049 J)	ND (0.0046 J)	ND	ND (0.0019 J)	ND (0.0022 J)
	Barium	2	0.133	0.135	0.123	0.135	0.130	0.127	0.112	0.106
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND (0.0002 J)	ND	ND (0.0003 J)	ND (0.00009 J)
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0004 J)	ND
	Cobalt	N/R	ND	ND (0.0018 J)	ND (0.0016 J)	ND (0.0017 J)	ND (0.0021 J)	ND (0.0016 J)	ND (0.0018 J)	ND (0.0015 J)
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND
	Lithium	N/R	ND (0.0107 J)	ND (0.0113 J)	ND (0.0118 J)	ND (0.0114 J)	ND (0.0155 J)	ND (0.0099 J)	ND (0.0098 J)	ND (0.0105 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND (0.0413 J)	0.0484	0.0474	0.0470	0.0432	0.0484	0.0494	0.0470
	Radium	5	1.12	1.61	1.23	1.98	0.319 U	0.540 U	0.635 U	1.01
	Selenium	0.05	ND	ND	ND	ND	ND (0.0011 J)	ND	ND	ND
	Thallium	0.002	ND	ND (0.0002 J)	ND	ND	ND	ND	ND (0.0001 J)	ND (0.00009 J)

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Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWC-13	HGWC-13	HGWC-13	HGWC-13	HGWC-13	HGWC-13	HGWC-13	HGWC-13
			05/23/2016	07/12/2016	09/01/2016	10/24/2016	12/07/2016	01/26/2017	03/22/2017	05/24/2017
APPENDIX III	Boron	N/R	2.15	1.91	2.30	4.01	3.85	2.45	1.99	1.74
	Calcium	N/R	133	101	120	127	113	77.9	85.1	77.1
	Chloride	(250)	93.2	78	100	140	110	70	59	50
	Fluoride	4	ND (0.2587 J)	0.53	0.74	0.31	1.0	0.68	0.76	0.54
	Sulfate	(250)	215	210	190	180	120	83	100	110
	TDS	(500)	683	563	702	647	465	411	427	377
APPENDIX IV	Antimony	0.006	ND	ND (0.0003 J)	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	0.329	0.297	0.314	0.334	0.350	0.424	0.419	0.393
	Barium	2	0.0779	0.0697	0.0700	0.0882	0.0798	0.0738	0.0755	0.0627
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0004 J)	ND
	Cobalt	N/R	ND (0.00361 J)	ND (0.0032 J)	ND (0.0033 J)	ND (0.0040 J)	ND (0.0034 J)	ND (0.0024 J)	ND (0.0026 J)	ND (0.0022 J)
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND (0.00007 J)	ND
	Lithium	N/R	ND (0.0422 J)	ND (0.0366 J)	ND (0.0400 J)	ND (0.0435 J)	ND (0.0477 J)	ND (0.0342 J)	ND (0.0353 J)	ND (0.0317 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND (0.00004 J)	ND	ND (0.00005 J)
	Molybdenum	N/R	0.0270	0.0316	0.0336	0.0352	0.0383	0.0410	0.0426	0.0400
	Radium	5	0.625 U	0.478 U	0.595 U	1.54	0.657 U	1.22	0.285 U	0.655 U
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND (0.000378 J)	ND (0.0004 J)	ND (0.0004 J)	ND (0.0005 J)	ND (0.0004 J)	ND (0.0004 J)	ND (0.0004 J)	ND (0.0003 J)

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Plant Hammond Ash Ponds

Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-14	HGWC-14	HGWC-14	HGWC-14	HGWC-14	HGWC-14	HGWC-14	HGWC-14
			05/23/2016	07/12/2016	09/01/2016	10/24/2016	12/07/2016	01/26/2017	03/23/2017	05/24/2017
APPENDIX III	Boron	N/R	15.4	16.0	12.3	13.7	16.5	19.2	23.1	25.8
	Calcium	N/R	664	528	586	564	590	558	652	617
	Chloride	(250)	659	620	510	110	510	640	600	510
	Fluoride	4	ND	ND (0.20 J)	ND (0.08 J)	ND (0.04 J)	ND (0.11 J)	ND (0.13 J)	ND (0.28 J)	0.32
	Sulfate	(250)	1070	1300	1300	280	1300	1400	1500	1400
	TDS	(500)	4130	3140	3200	2920	2740	3080	3060	3140
APPENDIX IV	Antimony	0.006	ND	ND (0.0003 J)	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND (0.00268 J)	0.0059	0.0056	0.0058	ND	0.0089	0.0069	ND (0.0048 J)
	Barium	2	ND	0.0214	0.0208	0.0208	0.0220	0.0238	0.0244	0.0228
	Beryllium	0.004	ND	ND (0.0005 J)	ND (0.0005 J)	ND (0.0005 J)	ND (0.0006 J)	ND (0.0005 J)	ND (0.0006 J)	ND (0.0005 J)
	Cadmium	0.005	ND (0.000139 J)	ND	ND (0.0001 J)	ND (0.0002 J)	ND (0.0001 J)	ND (0.0001 J)	ND (0.0002 J)	ND (0.0001 J)
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	ND	0.0232	0.0248	0.0253	0.0269	0.0294	0.0311	0.0279
	Lead	0.015	ND (0.00182 J)	ND (0.0015 J)	ND (0.0016 J)	ND (0.0016 J)	ND (0.0018 J)	ND (0.0020 J)	ND (0.0019 J)	ND (0.0016 J)
	Lithium	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.568 U	1.31	1.64	1.88	1.35	2.10	1.17	1.000 U
	Selenium	0.05	0.0170	0.0146	0.0137	0.0135	ND (0.0100 J)	0.0214	0.0167	ND (0.0083 J)
	Thallium	0.002	ND (0.000306 J)	ND (0.0003 J)	ND (0.0003 J)	ND (0.0004 J)	ND (0.0003 J)	ND (0.0003 J)	ND (0.0003 J)	ND (0.0003 J)

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Plant Hammond Ash Ponds

Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-15	HGWC-15	HGWC-15	HGWC-15	HGWC-15	HGWC-15	HGWC-15	HGWC-15
			05/23/2016	07/12/2016	09/01/2016	10/24/2016	12/07/2016	01/26/2017	03/23/2017	05/24/2017
APPENDIX III	Boron	N/R	2.02	1.65	1.93	1.93	2.23	2.31	2.72	2.26
	Calcium	N/R	184	186	189	200	203	212	229	265
	Chloride	(250)	209	190	200	200	240	260	280	240
	Fluoride	4	ND	ND (0.09 J)	ND (0.22 J)	ND (0.07 J)	ND (0.23 J)	ND	ND (0.12 J)	0.31
	Sulfate	(250)	424	440	440	420	450	490	530	500
	TDS	(500)	1270	1100	1180	1090	1040	1260	1360	1320
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND (0.0008 J)	ND
	Barium	2	ND (0.0315 J)	0.0372	0.0364	0.0326	0.0301	0.0287	0.0329	0.0283
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND (0.00271 J)	0.0019	0.0017	0.0018	0.0018	0.0013	0.0020	0.0041
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0005 J)	ND
	Cobalt	N/R	ND (0.0419 J)	0.0393	0.0450	0.0557	0.0536	0.0550	0.0715	0.0446
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND (0.0010 J)	ND (0.0001 J)
	Lithium	N/R	ND	ND	ND (0.0021 J)	ND	ND	ND	ND (0.0016 J)	ND (0.0029 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND (0.0007 J)	ND	ND	ND	ND	ND	ND
	Radium	5	0.171 U	0.611 U	0.766 U	0.969	0.302 U	0.626 U	0.662 U	0.202 U
	Selenium	0.05	ND	ND	ND	ND (0.0012 J)	ND (0.0041 J)	ND	ND (0.0016 J)	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-16	HGWC-16	HGWC-16	HGWC-16	HGWC-16	HGWC-16	HGWC-16	HGWC-16
			05/23/2016	07/12/2016	09/01/2016	10/25/2016	12/07/2016	01/26/2017	03/22/2017	05/24/2017
APPENDIX III	Boron	N/R	1.36	1.62	1.31	1.27	1.42	1.19	1.32	1.67
	Calcium	N/R	146	142	141	138	146	139	150	153
	Chloride	(250)	25.8	34	34	35	38	41	41	44
	Fluoride	4	ND (0.0380 J)	ND (0.26 J)	0.42	ND (0.25 J)	ND (0.23 J)	ND (0.02 J)	0.30	0.46
	Sulfate	(250)	203	220	220	230	220	250	240	230
	TDS	(500)	570	585	625	563	561	608	599	598
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND (0.0005 J)	ND
	Barium	2	0.0841	0.0886	0.0934	0.0991	0.101	0.105	0.110	0.106
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0021 J)	ND
	Cobalt	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Lead	0.015	ND	ND	ND	ND	ND	ND (0.0001 J)	ND (0.0002 J)	ND (0.0001 J)
	Lithium	N/R	ND	ND (0.0037 J)	ND (0.0033 J)	ND (0.0029 J)	ND (0.0029 J)	ND (0.0028 J)	ND (0.0025 J)	ND (0.0029 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.000 U	0.182 U	1.23	1.05 U	1.11 U	1.29 U	0.453 U	1.05
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-17	HGWC-17	HGWC-17	HGWC-17	HGWC-17	HGWC-17	HGWC-17	HGWC-17
			05/23/2016	07/12/2016	09/01/2016	10/25/2016	12/07/2016	01/26/2017	03/22/2017	05/25/2017
APPENDIX III	Boron	N/R	5.70	9.58	5.76	5.38	5.74	5.78	5.52	8.58
	Calcium	N/R	225	199	213	206	212	198	239	292
	Chloride	(250)	94.0	100	95	98	89	99	100	99
	Fluoride	4	ND	ND (0.09 J)	ND (0.03 J)	ND (0.07 J)	0.54	ND	ND (0.07 J)	0.42
	Sulfate	(250)	395	460	430	440	410	440	460	430
	TDS	(500)	1010	976	1060	ND	866	1000	1080	1080
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND (0.0007 J)	ND (0.0007 J)
	Barium	2	ND (0.0222 J)	0.0221	0.0227	0.0225	0.0227	0.0229	0.0248	0.0255
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND (0.00007 J)	ND
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND	ND
	Cobalt	N/R	0.0167	0.0148	0.0151	0.0141	0.0141	0.0154	0.0169	0.0154
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND (0.0001 J)	ND
	Lithium	N/R	ND	ND	ND	ND	ND	ND	ND	ND (0.0011 J)
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	0.618 U	0.867	0.857 U	1.11 U	0.964 U	0.612 U	0.437 U	1.21 U
	Selenium	0.05	ND	ND	ND (0.0014 J)	ND	ND (0.0023 J)	ND	ND	ND
	Thallium	0.002	ND	ND (0.0001 J)	ND	ND	ND	ND	ND (0.0001 J)	ND (0.0001 J)

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-18	HGWC-18	HGWC-18	HGWC-18	HGWC-18	HGWC-18	HGWC-18	HGWC-18
			05/24/2016	07/12/2016	09/01/2016	10/25/2016	12/08/2016	01/26/2017	03/23/2017	05/25/2017
APPENDIX III	Boron	N/R	9.33	11.9	8.80	8.50	7.15	9.17	10.6	13.2
	Calcium	N/R	403	328	379	362	366	394	440	492
	Chloride	(250)	280	300	270	290	300	340	350	290
	Fluoride	4	ND	0.54	0.49	0.58	0.63	0.71	0.57	0.54
	Sulfate	(250)	834	930	890	950	910	970	980	920
	TDS	(500)	1900	1950	2000	1870	1930	1950	2080	1970
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND (0.00294 J)	0.0074	0.0073	0.0060	0.0070	0.0068	0.0082	0.0060
	Barium	2	ND	0.0346	0.0336	0.0349	0.0339	0.0293	0.0313	0.0336
	Beryllium	0.004	ND (0.00278 J)	0.0032	0.0034	0.0034	0.0033	0.0034	0.0036	0.0036
	Cadmium	0.005	ND	0.0022	0.0024	0.0022	0.0024	0.0025	0.0025	0.0027
	Chromium	0.1	ND	ND	ND	ND	ND	ND	ND (0.0005 J)	ND
	Cobalt	N/R	ND (0.170 J)	0.168	0.180	0.188	0.206	0.195	0.223	0.209
	Lead	0.015	ND (0.00154 J)	ND (0.0012 J)	ND (0.0014 J)	ND (0.0015 J)	ND (0.0017 J)	ND (0.0013 J)	ND (0.0010 J)	ND (0.0012 J)
	Lithium	N/R	ND (0.0142 J)	ND (0.0141 J)	ND (0.0158 J)	ND (0.0160 J)	ND (0.0144 J)	ND (0.0136 J)	ND (0.0151 J)	ND (0.0154 J)
	Mercury	0.002	ND	ND	ND (0.00006 J)	ND (0.00004 J)	ND	ND (0.00008 J)	ND (0.00009 J)	ND (0.00008 J)
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Radium	5	1.82	1.76	1.51	2.69	2.21	2.26	1.81	1.63
	Selenium	0.05	ND	0.036	0.0347	0.0282	0.0373	0.0385	0.0414	0.0190
	Thallium	0.002	ND	ND (0.0002 J)	ND	ND	ND	ND	ND (0.0002 J)	ND (0.0002 J)

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Plant Hammond Ash Ponds

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Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWC-101	HGWC-101	HGWC-101	HGWC-101	HGWC-101	HGWC-101		
			08/31/2016	10/20/2016	01/31/2017	05/23/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	ND (0.0724 J)	ND (0.0877 J)	0.0928	0.0795	0.0814	0.108		
	Calcium	N/R	19.4	19.3	19.1	18.3	20.9	21.7		
	Chloride	(250)	5.7	5.7	5.8	5.3	5.4	5.8		
	Fluoride	4	ND (0.05 J)	ND (0.03 J)	ND	ND	ND	ND		
	Sulfate	(250)	110	110	120	97	96	110		
	TDS	(500)	278	165	263	190	175	253		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0527	0.0477	0.0527	0.0436	0.0419	0.0407		
	Beryllium	0.004	ND	ND	ND	ND (0.00007 J)	ND	ND		
	Cadmium	0.005	ND (0.0002 J)	ND (0.0003 J)	ND (0.0001 J)	ND (0.0002 J)	ND (0.0002 J)	ND		
	Chromium	0.1	ND	ND	ND	ND (0.0006 J)	ND	ND		
	Cobalt	N/R	ND (0.0033 J)	ND (0.0025 J)	ND (0.0010 J)	ND (0.0025 J)	ND (0.0029 J)	ND (0.0030 J)		
	Lead	0.015	ND	ND	ND	ND (0.0009 J)	ND	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND (0.000093 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.621 U	1.40	0.906 U	0.388 U	1.03 U	0.769 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-103	HGWC-103	HGWC-103	HGWC-103	HGWC-103	HGWC-103		
			08/31/2016	10/24/2016	01/31/2017	05/23/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	2.22	1.83	2.12	2.56	2.28	2.32		
	Calcium	N/R	70.4	70.9	63.6	111	81.2	79.7		
	Chloride	(250)	5.2	5.2	5.6	5.7	5.8	6.0		
	Fluoride	4	ND (0.06 J)	ND (0.13 J)	ND	ND (0.15 J)	ND	ND		
	Sulfate	(250)	280	280	300	340	300	310		
	TDS	(500)	483	517	516	637	459	545		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.045	0.0386	0.0365	0.0254	0.0396	0.0385		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND (0.0006 J)	ND (0.0008 J)	ND (0.0006 J)	ND (0.0006 J)	ND (0.0007 J)	ND (0.0007 J)		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0018 J)	ND (0.0018 J)	ND (0.0016 J)	ND (0.0014 J)	ND (0.0025 J)	ND (0.0020 J)		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND	ND (0.0012 J)	ND (0.0016 J)	ND (0.0015 J)		
	Mercury	0.002	ND	ND	ND (0.00008 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.62	1.01 U	0.976 U	0.891 U	0.601 U	0.567 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-105	HGWC-105	HGWC-105	HGWC-105	HGWC-105	HGWC-105		
			08/31/2016	10/25/2016	01/31/2017	05/24/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	1.14	1.21	1.43	1.30	1.28	1.29		
	Calcium	N/R	74.2	72.5	70.3	75.9	84.0	87.2		
	Chloride	(250)	3	2.8	3.3	3.5	2.9	4.0		
	Fluoride	4	ND (0.15 J)	ND (0.09 J)	ND (0.13 J)	ND (0.07 J)	ND (0.03 J)	ND		
	Sulfate	(250)	190	190	210	180	180	170		
	TDS	(500)	389	316	437	352	356	375		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.067	0.0745	0.0674	0.0668	0.0670	0.0643		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0014 J)	ND (0.0013 J)	ND (0.0006 J)	ND (0.0007 J)	ND (0.0006 J)	ND (0.0005 J)		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0034 J)	ND (0.0043 J)	ND (0.0042 J)	ND (0.0039 J)	ND (0.0040 J)	ND (0.0044 J)		
	Mercury	0.002	ND	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.906 U	1.03	0.868 U	0.728 U	1.35	0.817 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-107	HGWC-107	HGWC-107	HGWC-107	HGWC-107	HGWC-107		
			08/31/2016	10/25/2016	01/31/2017	05/24/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	0.651	0.778	0.782	0.753	0.702	0.780		
	Calcium	N/R	44.7	49.0	46.6	49.5	54.2	53.2		
	Chloride	(250)	3.2	3.2	3.1	2.9	2.8	3.4		
	Fluoride	4	ND (0.08 J)	ND (0.16 J)	ND (0.16 J)	ND (0.009 J)	ND	ND		
	Sulfate	(250)	130	130	130	130	130	130		
	TDS	(500)	235	223	346	234	254	313		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0391	0.0410	0.0382	0.0377	0.0385	0.0390		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND (0.0001 J)	ND (0.00008 J)	ND (0.00009 J)	ND (0.0001 J)	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.20	1.11 U	1.45	0.393 U	0.840 U	1.01 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			HGWC-109	HGWC-109	HGWC-109	HGWC-109	HGWC-109	HGWC-109		
			08/31/2016	10/25/2016	01/31/2017	05/24/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	0.402	0.372	0.404	0.415	0.397	0.366		
	Calcium	N/R	35.1	35.4	34.2	35.3	43.1	37.4		
	Chloride	(250)	5	4.8	5.5	5.3	4.6	5.6		
	Fluoride	4	ND (0.12 J)	ND (0.17 J)	ND (0.05 J)	ND (0.13 J)	ND (0.12 J)	ND		
	Sulfate	(250)	36	41	37	40	40	40		
	TDS	(500)	182	172	252	184	208	252		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND (0.0045 J)	ND (0.0030 J)	ND (0.0022 J)	ND (0.0012 J)	ND (0.0016 J)	ND (0.0011 J)		
	Barium	2	0.0883	0.0831	0.0844	0.0784	0.0903	0.0830		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0023 J)	ND (0.0017 J)	ND (0.0017 J)	ND (0.0020 J)	ND (0.0012 J)	ND (0.0014 J)		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND	ND (0.0012 J)	ND	ND		
	Mercury	0.002	ND	ND	ND (0.00008 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.03	1.07	0.588 U	0.593 U	0.691 U	0.653 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			HGWA-111	HGWA-111	HGWA-111	HGWA-111	HGWA-111	HGWA-111		
			08/30/2016	10/20/2016	01/25/2017	05/24/2017	08/10/2017	11/13/2017		
APPENDIX III	Boron	N/R	ND	ND (0.016 J)	ND (0.0095 J)	ND (0.0094 J)	ND	ND (0.0103 J)		
	Calcium	N/R	40.3	38.7	44.6	34.8	48.6	17.1		
	Chloride	(250)	3.3	3.2	2.7	3.0	2.8	2.5		
	Fluoride	4	ND (0.07 J)	ND (0.07 J)	ND (0.14 J)	ND (0.02 J)	ND (0.06 J)	ND		
	Sulfate	(250)	1.6	1.6	1.6	1.4	1.6	1.3		
	TDS	(500)	172	108	345	126	174	158		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0275	0.0255	0.0304	0.0256	0.0306	0.0217		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND (0.0029 J)	ND (0.0004 J)	ND	ND		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND (0.0001 J)	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0022 J)	ND	ND	ND (0.0017 J)	ND (0.0017 J)	ND		
	Mercury	0.002	ND (0.00004 J)	ND	ND (0.00004 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.804 U	1.13 U	0.888 U	0.622 U	0.745 U	0.778 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			HGWA-112	HGWA-112	HGWA-112	HGWA-112	HGWA-112	HGWA-112		
			08/30/2016	10/24/2016	01/25/2017	05/23/2017	08/10/2017	11/13/2017		
APPENDIX III	Boron	N/R	ND	ND (0.0367 J)	ND (0.0075 J)	ND (0.0073 J)	ND	ND (0.0089 J)		
	Calcium	N/R	6.69	6.25	6.58	6.40	6.54	6.26		
	Chloride	(250)	5.4	5.2	5.0	5.1	5.2	5.5		
	Fluoride	4	ND (0.04 J)	ND (0.05 J)	ND	ND (0.004 J)	ND (0.03 J)	ND		
	Sulfate	(250)	ND (0.63 J)	ND (0.62 J)	ND (0.62 J)	ND (0.55 J)	ND (0.66 J)	ND (0.061 J)		
	TDS	(500)	76	65	152	52	60	75		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0269	0.0280	0.0252	0.0293	0.0274	0.0275		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0038 J)	ND (0.0039 J)	ND (0.0038 J)	ND (0.0038 J)	ND (0.0039 J)	ND (0.0038 J)		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND (0.000041 J)	ND	ND (0.00004 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.32 U	1.30 U	1.04 U	0.541 U	0.536 U	0.786 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.

Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWA-113	HGWA-113	HGWA-113	HGWA-113	HGWA-113	HGWA-113		
			08/30/2016	10/24/2016	01/25/2017	05/23/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	ND	ND (0.0226 J)	ND (0.0090 J)	ND (0.0082 J)	ND (0.0061 J)	ND (0.0120 J)		
	Calcium	N/R	6.72	6.40	6.87	7.13	6.71	7.40		
	Chloride	(250)	2	1.9	1.9	1.6	1.7	2.0		
	Fluoride	4	ND (0.2 J)	ND (0.16 J)	ND (0.15 J)	ND (0.18 J)	ND (0.19 J)	ND (0.16 J)		
	Sulfate	(250)	14	11	12	12	11	11		
	TDS	(500)	77	111	155	74	94	89		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0269	0.0258	0.0272	0.0293	0.0310	0.0289		
	Beryllium	0.004	ND	ND (0.0019 J)	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND (0.0010 J)	ND (0.0012 J)	ND (0.0012 J)	ND (0.0019 J)	ND (0.0016 J)		
	Cobalt	N/R	ND (0.0006 J)	ND	ND	ND	ND (0.0004 J)	ND (0.0003 J)		
	Lead	0.015	ND	ND	ND	ND	ND (0.0001 J)	ND		
	Lithium	N/R	ND	ND	ND	ND (0.0011 J)	ND	ND		
	Mercury	0.002	ND (0.00004 J)	ND	ND (0.00004 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.587 U	0.979 U	0.0380 U	0.898 U	0.759 U	0.0762 U		
	Selenium	0.05	ND (0.0027 J)	ND (0.0034 J)	ND (0.0023 J)	ND (0.0024 J)	ND (0.0023 J)	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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5. ND (value J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
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7. TDS indicates total dissolved solids.
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9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.

Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWC-117	HGWC-117	HGWC-117	HGWC-117	HGWC-117	HGWC-117		
			08/31/2016	10/20/2016	01/27/2017	05/23/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	0.821	0.956	0.990	0.438	0.821	0.536		
	Calcium	N/R	63.4	64.4	68.6	32.0	78.9	46.9		
	Chloride	(250)	7.1	7.7	7.8	3.6	5.9	4.0		
	Fluoride	4	ND (0.09 J)	ND (0.11 J)	ND (0.28 J)	ND (0.01 J)	ND (0.10 J)	ND		
	Sulfate	(250)	150	150	150	110	140	110		
	TDS	(500)	381	319	407	258	359	310		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0547	0.0529	0.0490	0.0352	0.0457	0.0368		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND (0.0008 J)	ND (0.0008 J)	ND (0.0007 J)	ND (0.0005 J)	ND (0.0004 J)	ND (0.0005 J)		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0035 J)	ND (0.0045 J)	ND (0.0041 J)	ND (0.0071 J)	ND (0.0031 J)	ND (0.0062 J)		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0024 J)	ND (0.0027 J)	ND	ND	ND (0.0021 J)	ND		
	Mercury	0.002	ND (0.00007 J)	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.12	0.803 U	1.08 U	0.624 U	0.695 U	0.990 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWC-118	HGWC-118	HGWC-118	HGWC-118	HGWC-118	HGWC-118		
			08/31/2016	10/20/2016	01/31/2017	05/23/2017	08/10/2017	11/14/2017		
APPENDIX III	Boron	N/R	0.681	0.697	0.768	0.754	0.608	0.691		
	Calcium	N/R	79.3	83.7	76.8	77.2	83.1	86.7		
	Chloride	(250)	4.5	4.4	4.8	4.3	4.2	4.4		
	Fluoride	4	ND (0.18 J)	ND (0.12 J)	0.30	ND (0.14 J)	ND (0.11 J)	ND (0.07 J)		
	Sulfate	(250)	88	81	87	84	78	79		
	TDS	(500)	373	305	361	359	325	373		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0595	0.055	0.0613	0.0680	0.0638	0.0700		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND	ND	ND	ND (0.0005 J)	ND (0.0003 J)	ND (0.0004 J)		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND	ND (0.0012 J)	ND	ND		
	Mercury	0.002	ND	ND	ND (0.00009 J)	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	NS	1.97	1.03	0.398 U	0.938 U	0.335 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically at the conclusion of all the background sampling events, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
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Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWC-120	HGWC-120	HGWC-120	HGWC-120	HGWC-120	HGWC-120		
			08/31/2016	10/26/2016	01/27/2017	05/25/2017	10/02/2017	11/15/2017		
APPENDIX III	Boron	N/R	0.981	1.28	1.19	1.33	1.19	1.24		
	Calcium	N/R	152	156	157	173	168	182		
	Chloride	(250)	3.5	3.6	3.3	3.4	4.2	2.9		
	Fluoride	4	0.65	0.60	1.2	1.4	1.0	1.3		
	Sulfate	(250)	290	280	290	280	300	300		
	TDS	(500)	700	795	706	669	672	721		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0014 J)	ND (0.0007 J)	ND		
	Barium	2	0.045	0.0462	0.0451	0.0488	0.0479	0.0510		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0052 J)	ND (0.0041 J)	ND (0.0034 J)	ND (0.0035 J)	ND (0.0036 J)	ND (0.0032 J)		
	Lead	0.015	ND	ND (0.0002 J)	ND	ND (0.000090 J)	ND (0.00008 J)	ND		
	Lithium	N/R	ND (0.0333 J)	ND (0.0352 J)	ND (0.0329 J)	ND (0.0347 J)	ND (0.0337 J)	ND (0.0347 J)		
	Mercury	0.002	ND (0.00004 J)	ND	ND	ND (0.00007 J)	ND	ND		
	Molybdenum	N/R	0.0176	0.0187	0.0214	0.0231	0.0259	0.0281		
	Radium	5	1.47	0.864 U	0.521 U	0.681 U	0.632 U	1.30		
	Selenium	0.05	ND	ND	ND	ND	ND (0.0020 J)	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
4. ND (Not Detected) indicates the substance was not detected above the analytical method detection limit (MDL).
5. ND (value J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically at the conclusion of all the background sampling events, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.

Plant Hammond Ash Ponds

Analytical Data Summary

Georgia Power is in the process of closing all of its ash ponds. As part of this process, the company is monitoring groundwater around its ash ponds as required by the Environmental Protection Agency's (EPA) Coal Combustion Residuals (CCR) Rule and the Georgia Environmental Protection Division's (EPD) CCR Rule (State CCR rule). The CCR Rule and the State CCR rule require at least eight independent groundwater sampling events to be conducted at monitoring wells around its coal ash ponds to determine background groundwater conditions. These data tables summarize the results from background sample events. Collective data from background sampling events will be required to establish background groundwater conditions at each facility.

Substance		MCL/ (SMCL)	Well ID							
			HGWC-121	HGWC-121	HGWC-121	HGWC-121A	HGWC-121A	HGWC-121A		
			08/31/2016	11/07/2016	01/13/2017	06/03/2017	10/02/2017	11/15/2017		
APPENDIX III	Boron	N/R	3.23	2.95	4.01	2.62	2.92	2.71		
	Calcium	N/R	178	170	192	172	195	184		
	Chloride	(250)	64	65	50	43	42	46		
	Fluoride	4	ND (0.14 J)	ND (0.18 J)	ND (0.14 J)	ND (0.15 J)	1.2	0.60		
	Sulfate	(250)	280	300	270	270	330	280		
	TDS	(500)	876	1000	827	846	884	838		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0010 J)	ND	ND		
	Barium	2	0.0782	0.0764	0.0744	0.0933	0.0815	0.0807		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND	ND	ND	ND (0.0005 J)	ND (0.0003 J)	ND (0.0003 J)		
	Lead	0.015	ND	ND	ND	ND (0.00007 J)	ND	ND		
	Lithium	N/R	ND (0.0077 J)	ND (0.0089 J)	ND (0.0091 J)	ND (0.0104 J)	ND (0.0095 J)	ND (0.0086 J)		
	Mercury	0.002	ND	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.57	0.739 U	0.744 U	0.000 U	0.680 U	0.911 U		
	Selenium	0.05	ND	ND	ND (0.0011 J)	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.
10. HGWC-121 was replaced with HGWC-121A due to proximity to closure activities.

Plant Hammond Ash Ponds

Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			HGWA-122	HGWA-122	HGWA-122	HGWA-122	HGWA-122	HGWA-122		
			08/30/2016	10/20/2016	01/25/2017	05/25/2017	08/11/2017	11/15/2017		
APPENDIX III	Boron	N/R	0.277	0.336	0.274	0.298	0.285	0.322		
	Calcium	N/R	71.3	90.3	77.3	69.9	79.5	72.8		
	Chloride	(250)	2.8	2.8	2.8	2.9	3.0	3.1		
	Fluoride	4	ND (0.19 J)	ND (0.13 J)	ND (0.22 J)	ND (0.12 J)	ND (0.12 J)	ND (0.05 J)		
	Sulfate	(250)	49	49	48	48	47	49		
	TDS	(500)	280	265	371	237	253	261		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0463	0.0431	0.0429	0.0447	0.0451	0.0439		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND (0.0006 J)	ND (0.0007 J)	ND (0.0006 J)		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND (0.0001 J)	ND (0.0002 J)		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND (0.000043 J)	ND	ND (0.00004 J)	ND (0.00007 J)	ND	ND		
	Molybdenum	N/R	ND (0.0026 J)	ND (0.005 J)	ND (0.0054 J)	ND (0.0018 J)	ND (0.0029 J)	ND (0.0018 J)		
	Radium	5	0.972 U	0.496 U	1.13 U	0.192 U	0.908 U	0.662 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically at the conclusion of all the background sampling events, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
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Substance		MCL/ (SMCL)	Well ID							
			HGWC-124	HGWC-124	HGWC-124	HGWC-124	HGWC-124	HGWC-124		
			08/31/2016	10/26/2016	01/27/2017	05/25/2017	08/11/2017	11/15/2017		
APPENDIX III	Boron	N/R	0.494	0.550	0.428	0.544	0.524	0.531		
	Calcium	N/R	90.4	94.5	84.2	100	99.1	103		
	Chloride	(250)	3	3.6	4.0	3.5	2.9	3.1		
	Fluoride	4	ND (0.15 J)	0.30	0.30	ND (0.05 J)	ND (0.10 J)	ND		
	Sulfate	(250)	72	71	74	73	71	70		
	TDS	(500)	379	409	370	351	322	350		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0006 J)	ND	ND		
	Barium	2	0.0744	0.0735	0.0632	0.0773	0.0672	0.0707		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND (0.00008 J)	ND		
	Lithium	N/R	ND	ND	ND	ND (0.0011 J)	ND	ND		
	Mercury	0.002	ND	ND	ND	ND (0.000051 J)	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND (0.0009 J)	ND (0.0013 J)	ND (0.0012 J)		
	Radium	5	1.22	0.637 U	0.795 U	0.896 U	0.828 U	0.478 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

1. MCL indicates Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) maximum contaminant level.
2. (SMCL) indicates a secondary MCL that is established by EPA as a general guideline only (not enforced).
3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
4. ND (Not Detected) indicates the substance was not detected above the analytical method detection limit (MDL).
5. ND (value J) indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically at the conclusion of all the background sampling events, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.