

Plant Branch 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							
			BRGWA-2I	BRGWA-2I	BRGWA-2I	BRGWA-2I	BRGWA-2I	BRGWA-2I	BRGWA-2I	BRGWA-2I
			8/31/2016	11/16/2016	2/21/2017	6/12/2017	9/26/2017	2/13/2018		
APPENDIX III	Boron	N/R	ND (0.0072 J)	ND (0.0117 J)	ND (0.0088 J)	ND (0.0133 J)	ND (0.0093 J)	ND (0.0141 J)		
	Calcium	N/R	12.6	12.1	11.4	9.34	14.3	ND		
	Chloride	(250)	2.3	2.0	2.0	2.1	2.0	2.1		
	Fluoride	4	ND (0.11 J)	ND (0.05 J)	ND (0.14 J)	ND (0.16 J)	ND (0.14 J)	ND		
	Sulfate	(250)	7.5	6.6	6.1	5.0	5.4	4.7		
	TDS	(500)	151	69	68	161	167	165		
APPENDIX IV	Antimony	0.006	ND (0.0009 J)	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0007 J)	ND (0.0010 J)	ND		
	Barium	2	0.0239	0.0147	0.0109	ND (0.0094 J)	0.0156	0.0134		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0010 J)	ND	ND	ND (0.0005 J)	ND (0.0005 J)	ND		
	Cobalt	N/R	ND (0.0016 J)	ND (0.0006 J)	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND (0.00008 J)	ND (0.00007 J)	ND		
	Lithium	N/R	ND (0.0268 J)	ND (0.0201 J)	ND (0.0128 J)	ND (0.0245 J)	0.0549	0.0595		
	Mercury	0.002	ND	ND	ND	ND (0.00004 J)	ND	0.00021		
	Molybdenum	N/R	ND (0.0021 J)	ND	ND (0.0021 J)	ND (0.0021 J)	ND (0.0011 J)	ND (0.0019 J)		
	Radium	5	1.00 U	0.824 U	1.01 U	0.532 U	0.854 U	0.176 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							
			BRGWA-2S	BRGWA-2S	BRGWA-2S	BRGWA-2S	BRGWA-2S	BRGWA-2S	BRGWA-2S	BRGWA-2S
			8/31/2016	11/16/2016	2/21/2017	6/13/2017	9/26/2017	2/13/2018		
APPENDIX III	Boron	N/R	ND	ND (0.0109 J)	ND	ND	ND	ND		
	Calcium	N/R	4.09	4.25	4.02	3.84	3.31	3.94		
	Chloride	(250)	2.0	1.8	1.8	1.7	1.8	1.7		
	Fluoride	4	ND (0.05 J)	ND (0.04 J)	ND (0.05 J)	ND (0.04 J)	ND	ND		
	Sulfate	(250)	ND (0.38 J)	ND (0.36 J)	1.5	ND (0.67 J)	ND (0.62 J)	ND		
	TDS	(500)	88	41	ND	53	45	63		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND (0.0011 J)	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	ND (0.0099 J)	0.0102	ND (0.0094 J)	ND (0.0094 J)	ND (0.0096 J)	0.0102		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0034 J)	ND (0.0029 J)	ND (0.0036 J)	ND (0.0038 J)	ND (0.0045 J)	ND		
	Cobalt	N/R	ND (0.0034 J)	ND (0.0030J)	ND (0.0028 J)	ND (0.0025 J)	ND (0.0020 J)	ND		
	Lead	0.015	ND	ND	ND	ND	ND (0.00007 J)	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND	ND	ND	ND (0.00019 J)		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.620 U	0.430 U	0.960 U	0.645 U	0.299 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							
			BRGWA-5I	BRGWA-5I	BRGWA-5I	BRGWA-5I	BRGWA-5I	BRGWA-5I	BRGWA-5I	BRGWA-5I
			8/31/2016	11/16/2016	2/20/2017	6/12/2017	9/26/2017	2/13/2018		
APPENDIX III	Boron	N/R	ND	ND (0.0187 J)	ND (0.0066 J)	ND	ND	ND		
	Calcium	N/R	13.5	14.9	13.9	13.7	14.4	ND		
	Chloride	(250)	4.4	4.4	4.8	4.2	4.4	4.7		
	Fluoride	4	ND (0.07 J)	ND (0.03 J)	ND (0.06 J)	ND (0.008 J)	ND	ND		
	Sulfate	(250)	2.7	3.4	3.9	3.7	4.1	6.6		
	TDS	(500)	138	77	170	132	108	141		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0007 J)	ND (0.0009 J)	ND		
	Barium	2	0.0273	0.0365	0.0336	0.0322	0.0364	0.054		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0058 J)	ND (0.0051 J)	ND (0.0049 J)	ND (0.0052 J)	ND (0.0039 J)	ND		
	Cobalt	N/R	ND (0.0013 J)	ND (0.0012 J)	ND (0.0012 J)	ND (0.0011 J)	ND (0.0016 J)	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND (0.0033 J)	ND	ND (0.0019 J)	ND (0.0022 J)	ND (0.0041 J)		
	Mercury	0.002	ND	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND (0.0040 J)	ND (0.0038 J)	ND (0.0055 J)	ND (0.0050 J)	ND (0.0053 J)	ND (0.0080 J)		
	Radium	5	0.566 U	0.493 U	0.534 U	0.254 U	0.620 U	0.0914 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							
			BRGWA-5S	BRGWA-5S	BRGWA-5S	BRGWA-5S	BRGWA-5S	BRGWA-5S	BRGWA-5S	BRGWA-5S
			8/31/2016	11/15/2016	2/20/2017	6/12/2017	9/26/2017	2/13/2018		
APPENDIX III	Boron	N/R	ND	ND (0.0085 J)	ND (0.0093 J)	ND	ND	ND		
	Calcium	N/R	19.6	21.7	21.1	21.5	24.0	ND		
	Chloride	(250)	3.6	4.0	3.9	3.8	4.1	4.1		
	Fluoride	4	ND (0.19 J)	ND (0.08 J)	ND (0.08 J)	ND (0.07 J)	ND (0.04 J)	ND		
	Sulfate	(250)	ND (0.81 J)	ND (0.87 J)	1.0	ND (0.94 J)	ND (0.92 J)	ND		
	TDS	(500)	154	123	158	142	138	150		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0006 J)	ND (0.0007 J)	ND		
	Barium	2	0.0495	0.0512	0.0586	0.0567	0.0586	0.054		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0028 J)	ND (0.0030 J)	ND (0.0047 J)	ND (0.0041 J)	ND (0.0037 J)	ND		
	Cobalt	N/R	ND	ND	ND (0.0009 J)	ND (0.0006 J)	ND (0.0005 J)	ND		
	Lead	0.015	ND	ND	ND (0.0002 J)	ND (0.0001 J)	ND (0.0001 J)	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND (0.00008 J)	ND	ND	ND (0.00013 J)		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.428 U	0.645 U	1.36	0.566 U	0.762 U	0.349 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							
			BRGWA-6S	BRGWA-6S	BRGWA-6S	BRGWA-6S	BRGWA-6S	BRGWA-6S	BRGWA-6S	BRGWA-6S
			9/1/2016	11/15/2016	2/20/2017	6/12/2017	9/26/017	2/13/2018		
APPENDIX III	Boron	N/R	ND	ND (0.0123 J)	ND (0.0157 J)	ND	ND	ND		
	Calcium	N/R	3.30	3.44	3.52	3.11	3.15	3.65		
	Chloride	(250)	2.5	2.3	2.4	2.2	2.3	2.3		
	Fluoride	4	ND (0.06 J)	ND (0.04 J)	ND (0.04 J)	ND (0.06 J)	ND	ND		
	Sulfate	(250)	ND (0.60 J)	ND (0.49 J)	ND (0.98 J)	ND (0.54 J)	ND (0.53 J)	ND		
	TDS	(500)	299	41	133	61	29	61.0		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND (0.0007 J)	ND		
	Barium	2	0.0142	0.0126	0.0142	0.0134	0.0133	0.0145		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	0.0147	0.0154	0.0140	0.0160	0.0144	0.0144		
	Cobalt	N/R	ND	ND	ND	ND (0.0003 J)	ND (0.0003 J)	ND		
	Lead	0.015	ND (0.0001 J)	ND	ND	ND (0.00008 J)	ND	ND		
	Lithium	N/R	ND (0.0030 J)	ND (0.0033 J)	ND (0.0025 J)	ND (0.0027 J)	ND (0.0023 J)	ND (0.0027 J)		
	Mercury	0.002	ND	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.603 U	0.412 U	0.633 U	0.112 U	0.167 U	0.347 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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			BRGWA-12I	BRGWA-12I	BRGWA-12I	BRGWA-12I	BRGWA-12I	BRGWA-12I	BRGWA-12I	BRGWA-12I
			9/1/2016	11/16/2016	2/21/2017	6/14/2017	9/26/2017	2/14/2018		
APPENDIX III	Boron	N/R	ND (0.0093 J)	ND (0.0127 J)	ND (0.0071 J)	ND (0.0078 J)	ND	ND (0.0068 J)		
	Calcium	N/R	8.98	15.4	17.4	18.1	19.3	ND		
	Chloride	(250)	3.3	3.6	3.2	3.1	3.3	3.1		
	Fluoride	4	ND (0.20 J)	ND (0.14 J)	ND (0.16 J)	ND (0.09 J)	ND (0.10 J)	ND		
	Sulfate	(250)	2.7	3.6	3.0	2.6	2.5	2.1		
	TDS	(500)	142	100	71	140	149	137		
APPENDIX IV	Antimony	0.006	ND (0.0015 J)	ND	ND	ND (0.0014 J)	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0009 J)	ND (0.0012 J)	ND		
	Barium	2	0.0454	0.0623	0.0644	0.0726	0.0765	0.0786		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0009 J)	ND (0.0015 J)	ND (0.0010 J)	ND (0.0012 J)	ND (0.0014 J)	ND		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0061 J)	ND (0.0054 J)	ND (0.0058 J)	ND (0.0054 J)	ND (0.0037 J)	ND (0.0038 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00006 J)	ND	ND (0.000052 J)		
	Molybdenum	N/R	ND (0.0020 J)	ND	ND	ND	ND	ND		
	Radium	5	1.18	0.799 U	1.75 U	2.66	0.841 U	1.13		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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APPENDIX III	Boron	N/R	ND	ND (0.0081 J)	ND	ND	ND	ND		
	Calcium	N/R	4.61	4.17	5.00	4.98	4.49	ND		
	Chloride	(250)	3.5	3.6	3.2	3.3	3.3	3.5		
	Fluoride	4	ND (0.05 J)	ND (0.03 J)	ND (0.04 J)	ND (0.008 J)	ND	ND		
	Sulfate	(250)	1.7	1.2	1.1	1.1	1.3	ND		
	TDS	(500)	69	100	37	84	68	138		
APPENDIX IV	Antimony	0.006	ND	ND (0.0011 J)	ND	ND (0.0009 J)	0.0032	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND (0.0006 J)	ND		
	Barium	2	0.0528	0.0509	0.0531	0.0543	0.0547	0.0603		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0013 J)	ND (0.0012 J)	ND (0.0017 J)	ND (0.0019 J)	ND (0.0018 J)	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	0.643 U	0.863 U	0.318 U	0.163 U	0.560 U	0.537 U		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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4. ND (Not Detected) indicates the substance was not detected above the analytical method detection limit (MDL).
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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.
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9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.

Plant Branch 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							
			BRGWC-17S	BRGWC-17S	BRGWC-17S	BRGWC-17S	BRGWC-17S	BRGWC-17S	BRGWC-17S	BRGWC-17S
			9/7/2016	11/17/2016	2/22/2017	6/15/2017	9/28/2017	2/15/2018		
APPENDIX III	Boron	N/R	ND (0.0449 J)	ND (0.0067 J)	ND	ND	ND	ND		
	Calcium	N/R	26.3	31.8	33.5	29.0	34.1	33.8		
	Chloride	(250)	3.7	4.0	3.6	3.7	4.1	5.3		
	Fluoride	4	ND (0.22 J)	0.33	ND (0.11 J)	ND (0.05 J)	ND (0.05 J)	ND		
	Sulfate	(250)	97	120	120	130	120	109		
	TDS	(500)	331	308	341	333	310	292		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND (0.0009 J)	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0006 J)	ND	ND		
	Barium	2	0.0377	0.0405	0.0392	0.0364	0.0408	0.0396		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0100 J)	0.0185	0.0122	0.0117	0.0114	0.011		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND (0.0001 J)	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND	ND (0.00006 J)	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.541 U	0.145 U	0.0213 U	0.410 U	0.496 U	0.672 U		
	Selenium	0.05	ND (0.0024 J)	ND (0.0028 J)	ND (0.0018 J)	ND (0.0024 J)	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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Plant Branch 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							
			BRGWA-23S	BRGWA-23S	BRGWA-23S	BRGWA-23S	BRGWA-23S	BRGWA-23S	BRGWA-23S	BRGWA-23S
			9/6/2016	11/17/2016	2/21/2017	6/13/2017	9/26/2017	2/14/2018		
APPENDIX III	Boron	N/R	ND (0.0362 J)	0.0617	ND (0.0245 J)	ND	ND	ND (0.0314 J)		
	Calcium	N/R	12.8	19.2	15.1	10.2	15.0	ND		
	Chloride	(250)	5.8	4.3	3.5	3.2	3.5	3.8		
	Fluoride	4	0.42	ND (0.15 J)	ND (0.10 J)	ND (0.07 J)	ND	ND		
	Sulfate	(250)	38	84	39	35	89	82.2		
	TDS	(500)	146	211	151	130	160	194		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0008 J)	ND (0.0012 J)	ND (0.0007 J)		
	Barium	2	0.0624	0.109	0.0950	0.0861	0.104	0.129		
	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 (0.0028 J)	ND (0.0072 J)	ND (0.0045 J)	ND (0.0036 J)	ND (0.0037 J)	0.0135		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0028 J)	ND (0.0063 J)	ND (0.0052 J)	ND (0.0061 J)	ND (0.0087 J)	ND (0.0104 J)		
	Mercury	0.002	ND	ND	ND	ND	ND	ND		
	Molybdenum	N/R	ND (0.0028 J)	ND	ND	ND	ND	ND		
	Radium	5	0.585 U	0.804 U	0.545 U	0.618 U	1.26 U	1.20 U		
	Selenium	0.05	ND	ND (0.0052 J)	ND (0.0018 J)	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Plant Branch 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							
			BRGWC-24S	BRGWC-24S	BRGWC-24S	BRGWC-24S	BRGWC-24S	BRGWC-24S	BRGWC-24S	BRGWC-24S
			9/7/2016	2/21/2017	3/13/2017	6/13/2017	9/27/2017			
APPENDIX III	Boron	N/R	ND (0.0179 J)	ND (0.0105 J)	ND (0.0125 J)	ND (0.0105 J)	ND (0.0103 J)			
	Calcium	N/R	18.9	19.0	18.9	19.1	19.1			
	Chloride	(250)	14	14	14	14	14			
	Fluoride	4	ND (0.25 J)	ND (0.09 J)	ND (0.11 J)	ND (0.09 J)	ND			
	Sulfate	(250)	21	16	17	18	12			
	TDS	(500)	235	107	267	220	170			
APPENDIX IV	Antimony	0.006	ND	ND	ND (0.0005 J)	ND (0.0008 J)	ND (0.0008 J)			
	Arsenic	0.01	ND	ND	ND (0.0010 J)	ND (0.0012 J)	ND			
	Barium	2	0.0598	0.0527	0.0533	0.0509	0.0475			
	Beryllium	0.004	ND	ND	ND	ND	ND			
	Cadmium	0.005	ND	ND	ND	ND	ND			
	Chromium	0.1	ND	ND	ND (0.0005 J)	ND	ND			
	Cobalt	N/R	ND (0.0034 J)	ND (0.0021 J)	ND (0.0024 J)	ND (0.0021 J)	ND (0.0014 J)			
	Lead	0.015	ND	ND	ND	ND	ND			
	Lithium	N/R	ND (0.0036 J)	ND (0.0037 J)	ND (0.0038 J)	ND (0.0038 J)	ND (0.0037 J)			
	Mercury	0.002	ND	ND	ND	ND (0.00004 J)	ND (0.00004 J)			
	Molybdenum	N/R	ND (0.0026 J)	ND	ND (0.0010 J)	ND	ND			
	Radium	5	0.862 U	0.677 U	0.158 U	0.288 U	0.792 U			
	Selenium	0.05	ND	ND	ND	ND	ND			
	Thallium	0.002	ND	ND	ND (0.00004 J)	ND	ND			

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Plant Branch 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							
			BRGWC-25I	BRGWC-25I	BRGWC-25I	BRGWC-25I	BRGWC-25I	BRGWC-25I	BRGWC-25I	BRGWC-25I
			9/8/2016	11/17/2016	2/21/2017	6/13/2017	9/27/2017	2/14/2018		
APPENDIX III	Boron	N/R	1.03	1.70	1.55	1.77	1.75	1.47		
	Calcium	N/R	59.4	78.4	80.9	62.0	65.8	58.8		
	Chloride	(250)	5.5	7.7	7.3	7.5	7.9	6.7		
	Fluoride	4	ND (0.14 J)	ND (0.27 J)	0.60	ND (0.19 J)	0.50	ND		
	Sulfate	(250)	280	200	360	290	310	260		
	TDS	(500)	460	611	497	474	457	431		
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	0.0378	0.0448	0.0447	0.0351	0.0383	0.0327		
	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 (0.0073 J)	ND (0.0086 J)	ND (0.0079 J)	ND (0.0083 J)	ND (0.0087 J)	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 (0.00004 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.471 U	1.20 U	1.31	0.738 U	0.583 U	1.41		
	Selenium	0.05	ND	ND	ND	ND	ND	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.

Plant Branch 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							
			BRGWC-27I	BRGWC-27I	BRGWC-27I	BRGWC-27I	BRGWC-27I	BRGWC-27I	BRGWC-27I	BRGWC-27I
			9/8/2016	11/18/2016	2/21/2017	6/13/2017	9/27/2017	2/14/2018		
APPENDIX III	Boron	N/R	1.63	1.91	1.39	1.62	1.16	1.17		
	Calcium	N/R	87.2	82.4	75.1	61.0	72.6	74.1		
	Chloride	(250)	6.0	6.3	5.1	4.7	4.9	5.6		
	Fluoride	4	0.31	ND (0.19 J)	0.35	ND (0.19 J)	0.40	ND		
	Sulfate	(250)	300	320	270	230	260	232		
	TDS	(500)	478	503	380	354	376	503		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0009 J)	ND (0.0007 J)	ND		
	Barium	2	0.0184	0.0173	0.0150	0.0143	0.0170	0.0166		
	Beryllium	0.004	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.0001 J)	ND		
	Cadmium	0.005	ND (0.00007 J)	ND (0.000090 J)	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0010 J)	ND	ND	ND	ND	ND		
	Cobalt	N/R	0.0149	0.0131	ND (0.0099 J)	ND (0.0094 J)	ND (0.0095 J)	0.0112		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0021 J)	ND	ND	ND (0.0017 J)	ND (0.0016 J)	ND (0.0018 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00005 J)	ND (0.000047 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.74	0.571 U	1.28 U	0.521 U	0.595 U	1.18 U		
	Selenium	0.05	ND (0.0043 J)	ND (0.0047 J)	ND (0.0025 J)	ND (0.0036 J)	ND (0.0040 J)	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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10. Well ID on 9/6/2016 was identified as BRGWC-255 in the laboratory report.

Plant Branch Ash Ponds Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-29I	BRGWC-29I	BRGWC-29I	BRGWC-29I	BRGWC-29I	BRGWC-29I	BRGWC-29I	BRGWC-29I
			9/8/2016	11/21/2016	2/22/2017	6/14/2017	9/27/2017	2/14/2018		
APPENDIX III	Boron	N/R	1.35	1.74	1.50	1.60	1.83	1.8		
	Calcium	N/R	93.9	99.1	105	91.3	84.0	72.1		
	Chloride	(250)	6.4	6.9	6.2	7.2	8.7	7.2		
	Fluoride	4	ND (0.20 J)	0.37	0.37	0.38	0.40	ND		
	Sulfate	(250)	460	500	570	440	380	280		
	TDS	(500)	654	819	721	661	518	487		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND (0.0007 J)	ND	ND		
	Arsenic	0.01	ND	ND (0.0019 J)	ND	ND (0.0020 J)	ND (0.0016 J)	ND		
	Barium	2	0.0199	ND (0.0221 J)	0.0179	0.0157	0.0165	0.0163		
	Beryllium	0.004	ND (0.0011 J)	ND (0.0012 J)	ND (0.0014 J)	ND (0.0012 J)	ND (0.0010 J)	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	0.0122	0.0122	0.0136	0.0113	ND (0.0094 J)	ND		
	Lead	0.015	ND (0.0004 J)	ND (0.0006 J)	ND (0.0005 J)	ND (0.0004 J)	ND (0.0006 J)	ND		
	Lithium	N/R	ND (0.0040 J)	ND (0.0039 J)	ND (0.0043 J)	ND (0.0036 J)	ND (0.0038 J)	ND (0.0034 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00007 J)	ND (0.00004 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.540 U	1.59	1.64	1.32	1.70	1.89		
	Selenium	0.05	ND (0.0039 J)	ND (0.0058 J)	ND (0.0050 J)	ND (0.0074 J)	ND (0.0068 J)	ND		
	Thallium	0.002	ND	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.00018 J)		

Notes:

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-30I	BRGWC-30I	BRGWC-30I	BRGWC-30I	BRGWC-30I	BRGWC-30I	BRGWC-30I	BRGWC-30I
			9/6/2016	11/21/2016	2/22/2017	6/14/2017	9/27/2017	2/14/2018		
APPENDIX III	Boron	N/R	1.96	1.68	1.48	1.71	1.61	1.47		
	Calcium	N/R	63.3	60.7	62.1	63.5	63.5	62.8		
	Chloride	(250)	6.7	6.5	5.6	5.7	6.0	5.9		
	Fluoride	4	0.43	ND (0.24 J)	ND (0.20 J)	ND (0.15 J)	0.41	ND		
	Sulfate	(250)	310	300	280	290	260	250		
	TDS	(500)	505	515	504	536	432	448		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0206	ND (0.0237 J)	0.0219	0.0197	0.0213	0.0236		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND (0.00008 J)	ND	ND	ND	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0006 J)	ND	ND (0.0016 J)	ND (0.0015 J)	ND (0.0007 J)	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0117 J)	ND (0.0108 J)	ND (0.0103 J)	ND (0.0101 J)	ND (0.0116 J)	ND (0.0115 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00007 J)	ND (0.00004 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.01 U	0.201 U	0.570 U	0.726 U	0.884 U	1.14 U		
	Selenium	0.05	ND	ND	ND	ND (0.0045 J)	ND (0.0034 J)	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

Notes:

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9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.

Plant Branch Ash Ponds Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-32S	BRGWC-32S	BRGWC-32S	BRGWC-32S	BRGWC-32S	BRGWC-32S	BRGWC-32S	BRGWC-32S
			9/8/2016	11/21/2016	2/22/2017	6/14/2017	9/27/2017	2/14/2018		
APPENDIX III	Boron	N/R	1.28	1.19	1.43	1.57	1.51	1.6		
	Calcium	N/R	60.5	31.1	67.3	60.2	68.4	70.2		
	Chloride	(250)	6.8	7.8	7.0	7.1	7.2	7.4		
	Fluoride	4	ND (0.15 J)	ND (0.04 J)	ND (0.08 J)	ND (0.09 J)	ND	ND		
	Sulfate	(250)	370	420	380	400	400	383		
	TDS	(500)	607	695	635	635	601	628		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0593	0.0532	0.0498	0.0421	0.0411	0.0417		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND (0.00008 J)	ND (0.0001 J)	ND	ND	ND		
	Chromium	0.1	ND	ND	ND (0.0012 J)	ND (0.0009 J)	ND (0.0011 J)	ND		
	Cobalt	N/R	ND (0.0025 J)	ND (0.0010 J)	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND	ND	ND (0.0023 J)	ND (0.0022 J)	ND (0.0021 J)	ND (0.0023 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00009 J)	ND (0.00010 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.816 U	0.0569 U	1.07 U	0.459 U	0.807 U	1.67		
	Selenium	0.05	ND	ND	ND (0.0017 J)	ND	ND (0.0019 J)	ND		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-33S	BRGWC-33S	BRGWC-33S	BRGWC-33S	BRGWC-33S	BRGWC-33S	BRGWC-33S	BRGWC-33S
			9/7/2016	11/17/2016	2/22/2017	6/14/2017	9/27/2017	2/15/2018		
APPENDIX III	Boron	N/R	1.15	1.08	1.44	1.16	1.04	1.22		
	Calcium	N/R	53.4	41.3	53.1	47.1	49.5	50.9		
	Chloride	(250)	5.3	5.3	ND (0.12 J)	4.5	5.4	6.3		
	Fluoride	4	ND (0.19 J)	ND (0.26 J)	ND (0.21 J)	ND (0.18 J)	0.42	0.42		
	Sulfate	(250)	260	250	210	200	200	197		
	TDS	(500)	382	382	387	316	303	332		
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	0.0214	0.0211	0.0243	0.0218	0.0219	0.0248		
	Beryllium	0.004	ND (0.0019 J)	ND (0.0020 J)	ND (0.0022 J)	ND (0.0019 J)	ND (0.0017 J)	ND		
	Cadmium	0.005	ND (0.0005 J)	ND (0.0005 J)	ND (0.0006 J)	ND (0.0004 J)	ND (0.0004 J)	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	0.0612	0.0551	0.0567	0.0557	0.0490	0.0536		
	Lead	0.015	ND (0.0002 J)	ND (0.0002 J)	ND (0.0001 J)	ND (0.00009 J)	ND (0.00007 J)	ND		
	Lithium	N/R	ND (0.0092 J)	ND (0.0097 J)	ND (0.0106 J)	ND (0.0097 J)	ND (0.0099 J)	ND (0.0106 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00007 J)	ND (0.00004 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.706 U	1.02 U	0.482 U	0.723 U	1.50	1.14 U		
	Selenium	0.05	ND (0.0032 J)	ND (0.0028 J)	ND (0.0018 J)	ND (0.0040 J)	ND (0.0036 J)	ND		
	Thallium	0.002	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.0002 J)	ND (0.00024 J)		

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Plant Branch Ash Ponds Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-34S	BRGWC-34S	BRGWC-34S	BRGWC-34S	BRGWC-34S	BRGWC-34S	BRGWC-34S	BRGWC-34S
			9/8/2016	11/17/2016	2/22/2017	6/14/2017	9/27/2017	2/15/2018		
APPENDIX III	Boron	N/R	1.89	2.17	2.09	2.45	2.40	2.55		
	Calcium	N/R	97.3	97.6	106	98.0	95.8	100		
	Chloride	(250)	7.2	7.6	7.1	7.3	7.6	7.2		
	Fluoride	4	ND (0.17 J)	ND (0.12 J)	ND (0.17 J)	ND (0.10 J)	0.40	ND		
	Sulfate	(250)	420	460	410	410	360	335		
	TDS	(500)	663	651	706	643	579	612		
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0415	0.0400	0.0415	0.0341	0.0347	0.0346		
	Beryllium	0.004	ND (0.0001 J)	ND (0.0001 J)	ND (0.0002 J)	ND	ND (0.0001 J)	ND		
	Cadmium	0.005	ND	ND (0.0009 J)	ND (0.0005 J)	ND (0.0004 J)	ND (0.0007 J)	ND		
	Chromium	0.1	ND	ND	ND	ND	ND	ND		
	Cobalt	N/R	ND (0.0029 J)	ND (0.0028 J)	ND (0.0041 J)	ND (0.0036 J)	ND (0.0028 J)	ND		
	Lead	0.015	ND	ND (0.0001 J)	ND (0.0003 J)	ND	ND (0.00009 J)	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND	ND (0.00007 J)	ND (0.00004 J)	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	2.03	0.613 U	1.01 U	0.801 U	1.44	0.668 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							
			BRGWC-35S	BRGWC-35S	BRGWC-35S	BRGWC-35S	BRGWC-35S	BRGWC-35S	BRGWC-35S	BRGWC-35S
			9/7/2016	11/17/2016	2/22/2017	6/15/2017	9/28/2017	2/15/2018		
APPENDIX III	Boron	N/R	1.06	0.967	1.35	1.49	1.27	1.58		
	Calcium	N/R	54.1	62.6	64.6	61.3	60.8	56.6		
	Chloride	(250)	5.8	6.0	5.6	5.8	6.2	6.2		
	Fluoride	4	0.34	ND (0.24 J)	ND (0.09 J)	ND (0.03 J)	ND	ND		
	Sulfate	(250)	260	280	270	280	240	266		
	TDS	(500)	486	453	541	548	487	500		
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	0.101	0.0808	0.0701	0.0518	0.0470	0.0485		
	Beryllium	0.004	ND (0.00009 J)	ND (0.0001 J)	ND (0.0001 J)	ND (0.0001 J)	ND (0.0001 J)	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0019 J)	ND (0.0024 J)	ND (0.0040 J)	ND (0.0033 J)	ND (0.0052 J)	ND		
	Cobalt	N/R	ND (0.0023 J)	ND (0.0012 J)	ND (0.0008 J)	ND (0.0004 J)	ND (0.0003 J)	ND		
	Lead	0.015	ND (0.0001 J)	ND (0.0002 J)	ND (0.0001 J)	ND	ND	ND		
	Lithium	N/R	ND (0.0021 J)	ND (0.0022 J)	ND (0.0023 J)	ND (0.0023 J)	ND (0.0021 J)	ND (0.0021 J)		
	Mercury	0.002	ND	ND	ND	ND (0.00007 J)	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	1.13	0.729 U	0.293 U	1.09	1.02 U	0.742 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							
			BRGWC-36S	BRGWC-36S	BRGWC-36S	BRGWC-36S	BRGWC-36S	BRGWC-36S	BRGWC-36S	BRGWC-36S
			9/7/2016	11/18/2016	2/23/2017	6/15/2017	9/28/2017	2/15/2018		
APPENDIX III	Boron	N/R	0.725	0.831	0.949	0.961	0.948	1.11		
	Calcium	N/R	50.6	53.9	51.0	53.8	51.8	50.1		
	Chloride	(250)	3.1	3.4	3.2	4.0	4.6	5.4		
	Fluoride	4	ND (0.18 J)	ND (0.04 J)	ND (0.07 J)	ND (0.01 J)	ND	ND		
	Sulfate	(250)	300	170	330	310	290	292		
	TDS	(500)	528	524	517	566	475	513		
APPENDIX IV	Antimony	0.006	ND	ND (0.0016 J)	ND	ND (0.0006 J)	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND (0.0007 J)	ND	ND		
	Barium	2	0.0674	0.0546	0.0489	0.0415	0.0397	0.038		
	Beryllium	0.004	ND	ND (0.0001 J)	ND (0.0001 J)	ND (0.00009 J)	ND (0.0001 J)	ND		
	Cadmium	0.005	ND (0.00008 J)	ND	ND (0.0001 J)	ND	ND	ND		
	Chromium	0.1	ND (0.0073 J)	ND (0.0080 J)	ND (0.0086 J)	ND (0.0082 J)	ND (0.0083 J)	ND (0.0086 J)		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND	ND	ND	ND	ND		
	Lithium	N/R	ND (0.0024 J)	ND (0.0026 J)	ND (0.0026 J)	ND (0.0026 J)	ND (0.0025 J)	ND		
	Mercury	0.002	ND	ND	ND	ND (0.00007 J)	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.998 U	1.22 U	0.554 U	0.770 U	1.07 U	0.751 U		
	Selenium	0.05	ND (0.0079 J)	ND (0.0082 J)	ND (0.0061 J)	ND (0.0046 J)	ND (0.0042 J)	ND (0.0045 J)		
	Thallium	0.002	ND	ND	ND	ND	ND	ND		

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-37S	BRGWC-37S	BRGWC-37S	BRGWC-37S	BRGWC-37S	BRGWC-37S	BRGWC-37S	BRGWC-37S
			2/23/2017	4/17/2017	5/15/2017	6/15/2017	9/28/2017	2/15/2018		
APPENDIX III	Boron	N/R	ND	ND	ND	ND	ND	ND		
	Calcium	N/R	3.26	3.23	2.97	3.15	3.26	3.39		
	Chloride	(250)	2.1	1.8	1.8	1.9	1.9	2.3		
	Fluoride	4	ND (0.10 J)	ND (0.08 J)	ND (0.02 J)	ND (0.03 J)	ND	ND		
	Sulfate	(250)	ND (0.55 J)	ND (0.44 J)	ND (0.45 J)	ND (0.46 J)	ND (0.49 J)	1.9		
	TDS	(500)	45	53	48	63	39	54.0		
APPENDIX IV	Antimony	0.006	ND	ND (0.0004 J)	ND	ND (0.0006 J)	ND	ND		
	Arsenic	0.01	ND	ND	ND	ND	ND	ND		
	Barium	2	0.0229	0.0227	0.0227	0.0218	0.0222	0.0243		
	Beryllium	0.004	ND	ND	ND	ND	ND	ND		
	Cadmium	0.005	ND	ND	ND	ND	ND	ND		
	Chromium	0.1	ND (0.0010 J)	ND (0.0018 J)	ND (0.0014 J)	ND (0.0013 J)	ND (0.0014 J)	ND		
	Cobalt	N/R	ND	ND	ND	ND	ND	ND		
	Lead	0.015	ND	ND (0.0001 J)	ND	ND	ND (0.0001 J)	ND		
	Lithium	N/R	ND	ND	ND	ND	ND	ND		
	Mercury	0.002	ND	ND	ND	ND (0.00006 J)	ND	ND		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	0.567 U	0.335 U	0.261 U	0.188 U	0.627 U	0.869 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 Branch Ash Ponds Analytical Data Summary

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Substance		MCL/ (SMCL)	Well ID							
			BRGWC-38S	BRGWC-38S	BRGWC-38S	BRGWC-38S	BRGWC-38S	BRGWC-38S	BRGWC-38S	BRGWC-38S
			9/7/2016	11/21/2016	2/23/2017	6/15/2017	9/28/2017	2/15/2018		
APPENDIX III	Boron	N/R	1.73	2.02	1.77	1.78	1.45	2.09		
	Calcium	N/R	45.9	46.4	43.5	45.3	45.1	45.3		
	Chloride	(250)	5.8	5.1	4.1	4.8	6.7	8.0		
	Fluoride	4	0.66	0.95	0.75	0.77	0.80	0.82		
	Sulfate	(250)	440	510	470	490	470	432		
	TDS	(500)	750	795	733	812	690	722		
APPENDIX IV	Antimony	0.006	ND	ND (0.0009 J)	ND	ND (0.0007 J)	ND	ND		
	Arsenic	0.01	ND (0.0026 J)	ND (0.0034 J)	ND (0.0030 J)	ND (0.0050 J)	ND (0.0046 J)	ND (0.0016 J)		
	Barium	2	0.0440	ND (0.0428 J)	0.0338	0.0239	0.0247	0.0215		
	Beryllium	0.004	0.0079	0.0092	0.0100	0.0104	0.0098	ND (0.011 J)		
	Cadmium	0.005	ND (0.0004 J)	ND (0.0005 J)	ND (0.0007 J)	ND (0.0006 J)	ND (0.0007 J)	ND (0.00069 J)		
	Chromium	0.1	ND (0.0014 J)	ND (0.0030 J)	ND (0.0028 J)	ND (0.0038 J)	ND (0.0037 J)	ND (0.0044 J)		
	Cobalt	N/R	0.236	0.298	0.277	0.262	0.279	0.279		
	Lead	0.015	ND (0.0004 J)	ND (0.0005 J)	ND (0.0005 J)	ND (0.0004 J)	ND (0.0004 J)	ND (0.00047 J)		
	Lithium	N/R	ND (0.0193 J)	ND (0.0223 J)	ND (0.0229 J)	ND (0.0227 J)	ND (0.0230 J)	ND (0.0254 J)		
	Mercury	0.002	ND (0.00007 J)	ND (0.00012 J)	ND (0.00007 J)	ND (0.00016 J)	ND (0.00011 J)	ND (0.00015 J)		
	Molybdenum	N/R	ND	ND	ND	ND	ND	ND		
	Radium	5	3.35	2.94	1.92	3.60	3.30	2.31		
	Selenium	0.05	0.0311	0.0409	0.0354	0.0511	0.0484	0.0435		
	Thallium	0.002	ND	ND (0.0004 J)	ND (0.0003 J)	ND (0.0003 J)	ND (0.0003 J)	ND (0.00026 J)		

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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			Well ID							
			PZ-40S	PZ-40S	PZ-40S	PZ-40S	PZ-40S	PZ-40S	PZ-40S	PZ-40S
			2/24/2017	3/14/2017	6/14/2017	8/30/2017	9/27/2017			
APPENDIX III	Boron	N/R	ND (0.0163 J)	ND (0.0219 J)	ND (0.0294 J)	ND (0.0299 J)	ND (0.0234 J)			
	Calcium	N/R	16.0	17.5	18.9	19.0	18.2			
	Chloride	(250)	7.9	8.8	9.0	9.2	9.1			
	Fluoride	4	ND (0.13 J)	ND (0.11 J)	ND (0.13 J)	ND (0.14 J)	ND (0.16 J)			
	Sulfate	(250)	9.6	12	16	20	13			
	TDS	(500)	172	261	200	238	187			
APPENDIX IV	Antimony	0.006	ND	ND	ND (0.0009 J)	ND	ND			
	Arsenic	0.01	ND	ND	ND (0.0008 J)	ND (0.0012 J)	ND			
	Barium	2	0.0574	0.0586	0.0568	0.0562	0.0536			
	Beryllium	0.004	ND	ND	ND	ND	ND			
	Cadmium	0.005	ND	ND	ND	ND	ND			
	Chromium	0.1	ND	ND (0.0005 J)	ND	ND (0.0005 J)	ND			
	Cobalt	N/R	ND (0.0044 J)	ND (0.0055 J)	ND (0.0041 J)	ND (0.0041 J)	ND (0.0010 J)			
	Lead	0.015	ND	ND	ND	ND	ND (0.00008 J)			
	Lithium	N/R	ND (0.0036 J)	ND (0.0029 J)	ND (0.0028 J)	ND (0.0028 J)	ND (0.0030 J)			
	Mercury	0.002	ND	ND	ND (0.00007 J)	ND	ND (0.00004 J)			
	Molybdenum	N/R	ND	ND (0.0007 J)	ND	ND	ND			
	Radium	5	0.636 U	0.314 U	0.194 U	0.892	0.336 U			
	Selenium	0.05	ND	ND	ND	ND	ND			
	Thallium	0.002	ND	ND	ND	ND	ND			

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Substance		MCL/ (SMCL)	Well ID							
			PZ-41S	PZ-41S	PZ-41S	PZ-41S	PZ-41S	PZ-41S	PZ-41S	PZ-41S
			2/23/2017	3/14/2017	6/14/2017	8/30/2017	9/27/2017			
APPENDIX III	Boron	N/R	0.859	0.695	0.496	0.457	0.428			
	Calcium	N/R	20.3	21.1	23.1	21.5	22.4			
	Chloride	(250)	4.3	5.9	5.7	5.2	5.4			
	Fluoride	4	ND (0.12 J)	ND (0.03 J)	ND (0.09 J)	ND (0.07 J)	ND (0.28 J)			
	Sulfate	(250)	91	110	99	100	100			
	TDS	(500)	241	374	272	316	246			
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND			
	Arsenic	0.01	ND	ND (0.0006 J)	ND (0.0017 J)	ND (0.0029 J)	ND (0.0022 J)			
	Barium	2	0.0780	0.0937	0.0820	0.0788	0.0748			
	Beryllium	0.004	ND (0.0001 J)	ND	ND	ND	ND			
	Cadmium	0.005	ND	ND	ND	ND	ND			
	Chromium	0.1	ND	ND (0.0004 J)	ND	ND	ND			
	Cobalt	N/R	ND (0.0051 J)	0.0178	0.0130	ND (0.0099 J)	ND (0.0097 J)			
	Lead	0.015	ND	ND	ND	ND	ND			
	Lithium	N/R	ND (0.0029 J)	ND (0.0033 J)	ND (0.0033 J)	ND (0.0033 J)	ND (0.0033 J)			
	Mercury	0.002	ND	ND	ND (0.00007 J)	ND	ND (0.00004 J)			
	Molybdenum	N/R	ND	ND (0.0003 J)	ND	ND	ND			
	Radium	5	1.16 U	0.543 U	0.860 U	1.10	0.520 U			
	Selenium	0.05	ND	ND	ND	ND	ND			
	Thallium	0.002	ND	ND	ND	ND	ND			

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Substance		MCL/ (SMCL)	Well ID							
			PZ-42S	PZ-42S	PZ-42S	PZ-42S	PZ-42S	PZ-42S	PZ-42S	PZ-42S
			2/23/2017	3/14/2017	6/13/2017	8/31/2017	9/26/2017			
APPENDIX III	Boron	N/R	ND (0.0228 J)	ND (0.0214 J)	ND (0.0201 J)	ND (0.0209 J)	ND (0.0193 J)			
	Calcium	N/R	13.5	13.3	14.7	15.0	15.8			
	Chloride	(250)	5.1	6.4	5.7	5.6	5.4			
	Fluoride	4	ND (0.15 J)	ND (0.29 J)	ND (0.19 J)	ND (0.17 J)	ND (0.21 J)			
	Sulfate	(250)	13	13	13	13	13			
	TDS	(500)	131	265	145	143	119			
APPENDIX IV	Antimony	0.006	ND	ND	ND	ND	ND			
	Arsenic	0.01	ND	ND (0.0007 J)	ND (0.0009 J)	ND (0.0011 J)	ND (0.0012 J)			
	Barium	2	0.0178	0.0140	0.0133	0.0125	0.0114			
	Beryllium	0.004	ND	ND	ND	ND	ND			
	Cadmium	0.005	ND	ND	ND	ND	ND			
	Chromium	0.1	ND (0.0014 J)	ND (0.0004 J)	ND (0.0010 J)	ND (0.0017 J)	ND (0.0011 J)			
	Cobalt	N/R	ND (0.0023 J)	ND (0.0018 J)	ND	ND (0.0003 J)	ND			
	Lead	0.015	ND	ND	ND	ND (0.0001 J)	ND (0.00008 J)			
	Lithium	N/R	ND	ND	ND	ND	ND			
	Mercury	0.002	ND	ND	ND	ND	ND			
	Molybdenum	N/R	ND (0.0023 J)	ND (0.0055 J)	ND (0.0046 J)	ND (0.0029 J)	ND (0.0036 J)			
	Radium	5	0.190 U	0.340 U	0.444 U	1.03	0.478 U			
	Selenium	0.05	ND	ND	ND	ND	ND			
	Thallium	0.002	ND	ND	ND	ND	ND			

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Substance		MCL/ (SMCL)	Well ID							
			PZ-45	PZ-45	PZ-45	PZ-45	PZ-45	PZ-45	PZ-45	PZ-45
			3/6/2018	5/1/2018						
APPENDIX III	Boron	N/R	ND (0.0198 J)	ND (0.015 J)						
	Calcium	N/R	39.5	45.5						
	Chloride	(250)	56.6	58.5						
	Fluoride	4	0.94	ND						
	Sulfate	(250)	111	112						
	TDS	(500)	346	374						
APPENDIX IV	Antimony	0.006	ND	ND						
	Arsenic	0.01	ND (0.0018 J)	ND (0.0021 J)						
	Barium	2	0.10	0.084						
	Beryllium	0.004	ND	ND						
	Cadmium	0.005	ND	ND						
	Chromium	0.1	ND	ND						
	Cobalt	0.006*	0.0162	0.015						
	Lead	0.015	ND	ND						
	Lithium	0.040*	ND (0.0031 J)	ND (0.0038 J)						
	Mercury	0.002	ND	ND						
	Molybdenum	0.1*	ND	ND						
	Radium	5	1.25 U	0.423 U						
	Selenium	0.05	ND	ND						
	Thallium	0.002	ND	ND						

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Substance		MCL/ (SMCL)	Well ID							
			PZ-47	PZ-47	PZ-47	PZ-47	PZ-47	PZ-47	PZ-47	PZ-47
			3/6/2018	5/1/2018						
APPENDIX III	Boron	N/R	0.428	0.45						
	Calcium	N/R	326	305						
	Chloride	(250)	8.4	5.8						
	Fluoride	4	1.1	0.89						
	Sulfate	(250)	1560	1560						
	TDS	(500)	2200	2080						
APPENDIX IV	Antimony	0.006	ND	ND						
	Arsenic	0.01	ND (0.0025 J)	ND (0.0016 J)						
	Barium	2	0.0519	0.049						
	Beryllium	0.004	ND	ND						
	Cadmium	0.005	ND	ND						
	Chromium	0.1	ND	ND						
	Cobalt	0.006*	ND	ND						
	Lead	0.015	ND	ND						
	Lithium	0.040*	ND (0.0399 J)	ND (0.044 J)						
	Mercury	0.002	ND	ND						
	Molybdenum	0.1*	ND	ND						
	Radium	5	1.75	2.09						
	Selenium	0.05	ND	ND						
	Thallium	0.002	ND	ND						

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Substance		MCL/ (SMCL)/RB GWPS*	Well ID							
			PZ-50	PZ-50	PZ-50	PZ-50	PZ-50	PZ-50	PZ-50	PZ-50
			3/15/2018	5/1/2018						
APPENDIX III	Boron	N/R	0.32	0.32						
	Calcium	N/R	ND	225						
	Chloride	(250)	23.3	23.4						
	Fluoride	4	0.84	0.91						
	Sulfate	(250)	1590	1550						
	TDS	(500)	2440	2190						
APPENDIX IV	Antimony	0.006	ND	ND						
	Arsenic	0.01	ND (0.0014 J)	ND						
	Barium	2	ND	0.024						
	Beryllium	0.004	ND	ND						
	Cadmium	0.005	ND	0.011						
	Chromium	0.1	ND	ND						
	Cobalt	0.006*	ND	1.4						
	Lead	0.015	ND	ND						
	Lithium	0.040*	ND (0.038 J)	ND (0.042 J)						
	Mercury	0.002	ND	ND						
	Molybdenum	0.1*	ND	ND (0.0022 J)						
	Radium	5	1.31	1.69						
	Selenium	0.05	ND	ND						
	Thallium	0.002	ND	ND						

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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.