

Chesterfield Power Station

Parameter	Units*	11/15/17	11/16/17	11/18/17	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.34	7.74	8.06	---	6-9	✓
Total Suspended Solids	mg/l	1.3	< QL	< QL	1.0	88	✓
Oil & Grease	mg/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	0.027	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	< QL	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	< QL	25	190	✓
Chloride	mg/l	101	96.5	98.5	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.90	9.93	9.79	---	Monitoring Required	✓
Hardness	mg/l	42.8	59.6	79.1	---	Monitoring Required	✓

*1 ug/l is approximately 1 part per billion. 1 mg/l is approximately 1 part per million.
 QL = Quantification Level

Weekly Water Testing Results

Chesterfield Power Station

Parameter	Units*	11/19/17	11/21/17	11/24/17	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.92	7.54	7.61	---	6-9	✓
Total Suspended Solids	mg/l	< QL	< QL	2.6	1.0	88	✓
Oil & Grease	mg/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	< QL	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	< QL	25	190	✓
Chloride	mg/l	101	109	110	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	9.95	10.90	10.30	---	Monitoring Required	✓
Hardness	mg/l	92.6	109	134	---	Monitoring Required	✓

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Weekly Water Testing Results

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Parameter	Units*	11/26/17	11/28/17	11/30/17	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.52	7.77	7.71	---	6-9	✓
Total Suspended Solids	mg/l	< QL	< QL	< QL	1.0	88	✓
Oil & Grease	mg/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	< QL	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	< QL	25	190	✓
Chloride	mg/l	106	106	112	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.84	10.53	10.54	---	Monitoring Required	✓
Hardness	mg/l	139	157	165	---	Monitoring Required	✓

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Parameter	Units*	12/03/17	12/05/17	12/07/17	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.84	7.89	7.92	---	6-9	✓
Total Suspended Solids	mg/l	< QL	< QL	< QL	1.0	88	✓
Oil & Grease	mg/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	< QL	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	< QL	25	190	✓
Chloride	mg/l	106	112	105	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.61	10.48	10.49	---	Monitoring Required	✓
Hardness	mg/l	165	173	169	---	Monitoring Required	✓

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QL = Quantification Level



Weekly Water Testing Results

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Parameter	Units*	12/10/17	12/12/17	12/14/17	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.67	8.00	7.68	---	6-9	✓
Total Suspended Solids	mg/l	< QL	< QL	< QL	1.0	88	✓
Oil & Grease	mg/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	< QL	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	< QL	25	190	✓
Chloride	mg/l	100	101	99.0	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	12.10	11.97	12.18	---	Monitoring Required	✓
Hardness	mg/l	178	183	210	---	Monitoring Required	✓

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Chesterfield Power Station

Parameter	Units*	12/17/17	12/19/17	12/21/17	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.29	7.51	7.44	---	6-9	✓
Total Suspended Solids	mg/l	< QL	< QL	< QL	1.0	88	✓
Oil & Grease	mg/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	5.2	6.7	7.3	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	< QL	25	190	✓
Chloride	mg/l	139	147	148	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	11.29	10.76	10.98	---	Monitoring Required	✓
Hardness	mg/l	180	197	170	---	Monitoring Required	✓

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Chesterfield Power Station

Parameter	Units*	No Discharge Week of 12/31/2017 – 1/6/2018			Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	---	---	---	---	6-9	✓
Total Suspended Solids	mg/l	---	---	---	1.0	88	✓
Oil & Grease	mg/l	---	---	---	5.0	20	✓
Total Recoverable Antimony	ug/l	---	---	---	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	---	---	---	5.0	440	✓
Total Recoverable Cadmium	ug/l	---	---	---	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	---	---	---	5.0	190	✓
Dissolved Chromium VI	ug/l	---	---	---	5.0	32	✓
Total Recoverable Copper	ug/l	---	---	---	5.0	20	✓
Total Recoverable Lead	ug/l	---	---	---	5.0	31	✓
Total Recoverable Mercury	ug/l	---	---	---	0.1	2.2	✓
Total Recoverable Nickel	ug/l	---	---	---	5.0	48	✓
Total Recoverable Selenium	ug/l	---	---	---	5.0	14	✓
Total Recoverable Silver	ug/l	---	---	---	0.4	5.0	✓
Total Recoverable Thallium	ug/l	---	---	---	0.47	0.90	✓
Total Recoverable Zinc	ug/l	---	---	---	25	190	✓
Chloride	mg/l	---	---	---	---	660	✓
Total Residual Chlorine	ug/l	---	---	---	100	32	✓
Dissolved Oxygen	mg/l	---	---	---	---	Monitoring Required	✓
Hardness	mg/l	---	---	---	---	Monitoring Required	✓

*1 ug/l is approximately 1 part per billion. 1 mg/l is approximately 1 part per million.

QL = Quantification Level