

## Chesterfield Power Station

Parameter	Units*	12/30/18	1/1/19	1/3/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.14	7.15	7.49	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.85	< QL / < 2.89	< QL / < 3.05	1.0	88 / 1670	✓
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	5.5	5.7	< 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	79.3	80.6	84.5	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	11.50	10.68	11.03	---	Monitoring Required	✓
Hardness	mg/l	229	231	244	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	1/6/19	1/8/19	1/10/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.33	7.18	7.37	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.1 / 5.64	1.6 / 4.61	< QL / < 2.16	1.0	88 / 1670	✓
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	5.3	5.6	5.7	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	87.8	85.8	86.9	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.92	10.75	11.19	---	Monitoring Required	✓
Hardness	mg/l	245	252	282	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	1/13/19	1/15/19	1/19/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.05	7.18	7.37	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.6 / 3.26	1.3 / 3.19	1.5 / 4.12	1.0	88 / 1670	✓
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	6.3	6.1	5.1	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	95.5	99.8	95.1	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	11.89	11.79	11.44	---	Monitoring Required	✓
Hardness	mg/l	284	280	235	---	Monitoring Required	✓

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

## Chesterfield Power Station

Parameter	Units*	1/20/19	1/22/19	1/24/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.29	7.20	7.34	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.0 / 0.36	< QL / < 2.34	2.1 / 1.80	1.0	88 / 1670	✓
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	5.4	< 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	98.2	83.1	77.4	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	11.99	11.93	11.56	---	Monitoring Required	✓
Hardness	mg/l	233	208	190	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	1/27/19	1/29/19	2/1/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.30	7.26	6.92	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.8 / 4.29	< QL / < 0.42	< QL / < 1.88	1.0	88 / 1670	✓
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	79.5	92.0	92.7	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.62	10.81	11.52	---	Monitoring Required	✓
Hardness	mg/l	215	265	258	---	Monitoring Required	✓

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QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	2/3/19	2/5/19	2/7/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.16	7.18	7.22	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.82	< QL / < 2.82	< QL / < 2.50	1.0	88 / 1670	✓
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	73.7	90.7	85.6	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	11.62	10.71	9.95	---	Monitoring Required	✓
Hardness	mg/l	209	245	218	---	Monitoring Required	✓

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QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	2/10/19	2/12/19	2/14/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.20	7.74	7.64	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.06	< QL / < 2.85	< QL / < 2.12	1.0	88 / 1670	✓
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	82.4	84.6	97.9	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.77	10.72	10.34	---	Monitoring Required	✓
Hardness	mg/l	219	233	245	---	Monitoring Required	✓

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 QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	2/17/19	2/19/19	2/21/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.72	7.64	7.69	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.11	< QL / < 2.72	< QL / < 2.80	1.0	88 / 1670	✓
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	70.0	77.3	51.2	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.88	12.91	10.55	---	Monitoring Required	✓
Hardness	mg/l	194	204	137	---	Monitoring Required	✓

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



## Chesterfield Power Station

Parameter	Units*	2/24/19	2/26/19	2/28/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.51	7.30	7.15	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.81	< QL / < 2.91	< QL / < 2.66	1.0	88 / 1670	✓
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	67.7	49.4	67.5	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.67	10.27	10.17	---	Monitoring Required	✓
Hardness	mg/l	187	136	185	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	3/3/19	3/5/19	3/8/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.32	7.37	6.86	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.85	< QL / < 2.63	1.8 / 5.02	1.0	88 / 1670	✓
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	62.3	61.4	54.0	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.11	10.21	11.37	---	Monitoring Required	✓
Hardness	mg/l	158	161	168	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	No Discharge Week of 03/10/2019 – 03/16/2019			Permit QL	Permit Limits	Verified by Golder Associates Inc.
		---	---	---			
pH	Standard Units	---	---	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	---	---	---	1.0	88 / 1670	✓
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

## Chesterfield Power Station

Parameter	Units*	ND	3/19/19	ND	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	---	7.29	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	---	< QL / < 2.73	---	1.0	88 / 1670	✓
Oil & Grease	mg/l	---	< QL	---	5.0	20	✓
Total Recoverable Antimony	ug/l	---	< QL	---	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	---	< QL	---	5.0	440	✓
Total Recoverable Cadmium	ug/l	---	< QL	---	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	---	< QL	---	5.0	190	✓
Dissolved Chromium VI	ug/l	---	< QL	---	5.0	32	✓
Total Recoverable Copper	ug/l	---	< QL	---	5.0	20	✓
Total Recoverable Lead	ug/l	---	< QL	---	5.0	31	✓
Total Recoverable Mercury	ug/l	---	< QL	---	0.1	2.2	✓
Total Recoverable Nickel	ug/l	---	< QL	---	5.0	48	✓
Total Recoverable Selenium	ug/l	---	< QL	---	5.0	14	✓
Total Recoverable Silver	ug/l	---	< QL	---	0.4	5.0	✓
Total Recoverable Thallium	ug/l	---	< QL	---	0.47	0.90	✓
Total Recoverable Zinc	ug/l	---	< QL	---	25	190	✓
Chloride	mg/l	---	81.1	---	---	660	✓
Total Residual Chlorine	ug/l	---	< QL	---	100	32	✓
Dissolved Oxygen	mg/l	---	10.60	---	---	Monitoring Required	✓
Hardness	mg/l	---	233	---	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	3/27/19	3/28/19	3/30/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.27	7.33	7.34	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.35	< QL / < 0.39	< QL / 2.31	1.0	88 / 1670	✓
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	5.2	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	136	130	111	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.86	10.81	10.28	---	Monitoring Required	✓
Hardness	mg/l	290	282	283	---	Monitoring Required	✓

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

## Chesterfield Power Station

Parameter	Units*	4/1/19	4/2/19	4/4/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.62	7.70	7.22	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 1.21	< QL / < 1.17	< QL / 2.37	1.0	88 / 1670	✓
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	73.8	75.9	79.2	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	10.57	11.29	10.47	---	Monitoring Required	✓
Hardness	mg/l	240	242	257	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	ND	4/11/19	ND	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	---	7.18	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	---	< QL / < 2.58	---	1.0	88 / 1670	✓
Oil & Grease	mg/l	---	< QL	---	5.0	20	✓
Total Recoverable Antimony	ug/l	---	< QL	---	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	---	< QL	---	5.0	440	✓
Total Recoverable Cadmium	ug/l	---	< QL	---	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	---	< QL	---	5.0	190	✓
Dissolved Chromium VI	ug/l	---	< QL	---	5.0	32	✓
Total Recoverable Copper	ug/l	---	< QL	---	5.0	20	✓
Total Recoverable Lead	ug/l	---	< QL	---	5.0	31	✓
Total Recoverable Mercury	ug/l	---	< QL	---	0.1	2.2	✓
Total Recoverable Nickel	ug/l	---	< QL	---	5.0	48	✓
Total Recoverable Selenium	ug/l	---	< QL	---	5.0	14	✓
Total Recoverable Silver	ug/l	---	< QL	---	0.4	5.0	✓
Total Recoverable Thallium	ug/l	---	< QL	---	0.47	0.90	✓
Total Recoverable Zinc	ug/l	---	< QL	---	25	190	✓
Chloride	mg/l	---	95.6	---	---	660	✓
Total Residual Chlorine	ug/l	---	< QL	---	100	32	✓
Dissolved Oxygen	mg/l	---	9.65	---	---	Monitoring Required	✓
Hardness	mg/l	---	235	---	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	4/14/19	4/17/19	4/19/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.50	7.48	7.28	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.56	< QL / < 2.57	< QL / < 1.44	1.0	88 / 1670	✓
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	94.9	81.3	73.0	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	8.76	9.09	9.03	---	Monitoring Required	✓
Hardness	mg/l	220	172	191	---	Monitoring Required	✓

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

QL = Quantification Level



## Chesterfield Power Station

Parameter	Units*	4/22/19	4/24/19	ND	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	8.12	7.96	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.48	< QL / < 2.69	---	1.0	88 / 1670	✓
Oil & Grease	mg/l	< QL	< QL	---	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	---	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	< QL	---	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	---	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	---	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	---	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	---	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	---	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	---	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	< QL	---	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	< QL	---	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	---	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	---	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	< QL	---	25	190	✓
Chloride	mg/l	78.0	84.0	---	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	---	100	32	✓
Dissolved Oxygen	mg/l	8.96	8.90	---	---	Monitoring Required	✓
Hardness	mg/l	198	211	---	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	5/1/19	5/2/19	5/4/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	8.11	8.07	7.99	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 1.18	< QL / < 1.08	< QL / < 2.65	1.0	88 / 1670	✓
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	69.6	66.6	70.5	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	9.08	9.52	9.39	---	Monitoring Required	✓
Hardness	mg/l	159	156	171	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	ND	ND	5/9/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	---	---	7.74	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	---	---	< QL / < 2.48	1.0	88 / 1670	✓
Oil & Grease	mg/l	---	---	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	---	---	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	---	---	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	---	---	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	---	---	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	---	---	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	---	---	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	---	---	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	---	---	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	---	---	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	---	---	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	---	---	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	---	---	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	---	---	< QL	25	190	✓
Chloride	mg/l	---	---	74.2	---	660	✓
Total Residual Chlorine	ug/l	---	---	< QL	100	32	✓
Dissolved Oxygen	mg/l	---	---	8.56	---	Monitoring Required	✓
Hardness	mg/l	---	---	178	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	5/13/19	5/15/19	5/17/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.93	7.67	7.53	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.2 / 2.46	< QL / < 2.48	< QL / < 2.55	1.0	88 / 1670	✓
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	56.3	64.1	57.5	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	9.01	8.55	8.48	---	Monitoring Required	✓
Hardness	mg/l	161	168	176	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	5/21/19	5/23/19	5/24/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.71	7.62	7.54	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.5 / 3.86	< QL / < 2.51	< QL / < 2.56	1.0	88 / 1670	✓
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	61.3	55.8	62.3	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	8.40	8.28	7.96	---	Monitoring Required	✓
Hardness	mg/l	141	154	176	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	5/28/19	ND	6/1/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.72	---	7.76	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.57	---	< QL / < 1.17	1.0	88 / 1670	✓
Oil & Grease	mg/l	< QL	---	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	---	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	---	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	---	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	---	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	---	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	---	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	---	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	---	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	---	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	---	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	---	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	---	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	---	< QL	25	190	✓
Chloride	mg/l	65.7	---	74.1	---	660	✓
Total Residual Chlorine	ug/l	< QL	---	< QL	100	32	✓
Dissolved Oxygen	mg/l	8.49	---	8.64	---	Monitoring Required	✓
Hardness	mg/l	185	---	209	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	6/2/19	6/4/19	6/6/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.77	7.93	7.50	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.1 / 1.58	< QL / < 2.47	< QL / < 2.52	1.0	88 / 1670	✓
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	74.3	77.6	70.9	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	9.99	8.90	8.04	---	Monitoring Required	✓
Hardness	mg/l	210	230	217	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	6/9/19	6/11/19	6/13/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.04	7.52	7.07	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.56	< QL / < 3.72	< QL / < 4.33	1.0	88 / 1670	✓
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	57.9	50.1	55.2	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	7.73	8.50	8.10	---	Monitoring Required	✓
Hardness	mg/l	154	118	127	---	Monitoring Required	✓

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

QL = Quantification Level



## Chesterfield Power Station

Parameter	Units*	6/16/19	6/18/19	6/21/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.01	6.98	7.01	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.3 / 4.09	1.3 / 4.52	< QL / < 2.81	1.0	88 / 1670	✓
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	56.6	61.5	56.3	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	8.41	7.77	7.73	---	Monitoring Required	✓
Hardness	mg/l	128	188	158	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

**No Discharge Week of 6/23/2019 – 6/29/2019**

## Chesterfield Power Station

Parameter	Units*	7/1/19	7/2/19	7/4/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.17	7.47	7.41	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 1.11	< QL / < 1.41	< QL / < 2.65	1.0	88 / 1670	✓
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	79.0	74.7	84.1	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	8.36	7.91	7.74	---	Monitoring Required	✓
Hardness	mg/l	220	225	240	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	No Discharge Week of 07/07/2019 – 07/13/2019			Permit QL	Permit Limits	Verified by Golder Associates Inc.
		---	---	---			
pH	Standard Units	---	---	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	---	---	---	1.0	88 / 1670	✓
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

## Chesterfield Power Station

**No Discharge Week of 7/14/2019 – 7/20/2019**

## Chesterfield Power Station

Parameter	Units*	ND	ND	7/25/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	---	---	7.85	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	---	---	< QL / < 2.41	1.0	88 / 1670	✓
Oil & Grease	mg/l	---	---	< QL	5.0	20	✓
Total Recoverable Antimony	ug/l	---	---	< QL	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	---	---	< QL	5.0	440	✓
Total Recoverable Cadmium	ug/l	---	---	< QL	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	---	---	< QL	5.0	190	✓
Dissolved Chromium VI	ug/l	---	---	< QL	5.0	32	✓
Total Recoverable Copper	ug/l	---	---	< QL	5.0	20	✓
Total Recoverable Lead	ug/l	---	---	< QL	5.0	31	✓
Total Recoverable Mercury	ug/l	---	---	< QL	0.1	2.2	✓
Total Recoverable Nickel	ug/l	---	---	< QL	5.0	48	✓
Total Recoverable Selenium	ug/l	---	---	< QL	5.0	14	✓
Total Recoverable Silver	ug/l	---	---	< QL	0.4	5.0	✓
Total Recoverable Thallium	ug/l	---	---	< QL	0.47	0.90	✓
Total Recoverable Zinc	ug/l	---	---	< QL	25	190	✓
Chloride	mg/l	---	---	91.2	---	660	✓
Total Residual Chlorine	ug/l	---	---	< QL	100	32	✓
Dissolved Oxygen	mg/l	---	---	8.24	---	Monitoring Required	✓
Hardness	mg/l	---	---	224	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	7/28/19	7/30/19	8/2/19	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.79	7.41	7.55	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	< QL / < 2.55	< QL / < 2.73	< QL / < 1.39	1.0	88 / 1670	✓
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	108	100	110	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	< QL	100	32	✓
Dissolved Oxygen	mg/l	8.14	8.28	8.28	---	Monitoring Required	✓
Hardness	mg/l	243	271	231	---	Monitoring Required	✓

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

QL = Quantification Level

## Chesterfield Power Station

Parameter	Units*	8/4/19	ND	ND	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.77	---	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	1.5 / 4.00	---	---	1.0	88 / 1670	✓
Oil & Grease	mg/l	< QL	---	---	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	---	---	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	---	---	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	---	---	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	---	---	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	---	---	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	---	---	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	---	---	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	---	---	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	---	---	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	---	---	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	---	---	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	---	---	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	---	---	25	190	✓
Chloride	mg/l	70.2	---	---	---	660	✓
Total Residual Chlorine	ug/l	< QL	---	---	100	32	✓
Dissolved Oxygen	mg/l	8.10	---	---	---	Monitoring Required	✓
Hardness	mg/l	152	---	---	---	Monitoring Required	✓

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

QL = Quantification Level



## Chesterfield Power Station

Parameter	Units*	8/13/19	8/14/19	ND	Permit QL	Permit Limits	Verified by Golder Associates Inc.
pH	Standard Units	7.42	8.52	---	---	6-9	✓
Total Suspended Solids	mg/l / kg/day	2.5 / 7.94	42.2 / 10.70	---	1.0	88 / 1670	✓
Oil & Grease	mg/l	< QL	< QL	---	5.0	20	✓
Total Recoverable Antimony	ug/l	< QL	< QL	---	5.0	1,300	✓
Total Recoverable Arsenic	ug/l	< QL	6.7	---	5.0	440	✓
Total Recoverable Cadmium	ug/l	< QL	< QL	---	1.0	2.6	✓
Total Recoverable Chromium III	ug/l	< QL	< QL	---	5.0	190	✓
Dissolved Chromium VI	ug/l	< QL	< QL	---	5.0	32	✓
Total Recoverable Copper	ug/l	< QL	< QL	---	5.0	20	✓
Total Recoverable Lead	ug/l	< QL	< QL	---	5.0	31	✓
Total Recoverable Mercury	ug/l	< QL	< QL	---	0.1	2.2	✓
Total Recoverable Nickel	ug/l	< QL	18.1	---	5.0	48	✓
Total Recoverable Selenium	ug/l	< QL	5.7	---	5.0	14	✓
Total Recoverable Silver	ug/l	< QL	< QL	---	0.4	5.0	✓
Total Recoverable Thallium	ug/l	< QL	< QL	---	0.47	0.90	✓
Total Recoverable Zinc	ug/l	< QL	129	---	25	190	✓
Chloride	mg/l	66.1	66.8	---	---	660	✓
Total Residual Chlorine	ug/l	< QL	< QL	---	100	32	✓
Dissolved Oxygen	mg/l	8.19	8.23	---	---	Monitoring Required	✓
Hardness	mg/l	155	184	---	---	Monitoring Required	✓

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

QL = Quantification Level