

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling

Facility: Atlantic Recycling

Form Number: Groundwater1

Reporting of groundwater results for bi-annual monitoring in November 2017

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS1	pH	6.1 ÷ 8.52	Bi-annually	7.62 pH Units	TM256	17/11/2017 at 08.30	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
WS1	Total Oxidised Nitrogen as N	>0.89 mg/l	Bi-annually	0.185 mg/l	TM184	17/11/2017 at 08.30	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
WS1	Nitrite as N	>0.084 mg/l	Bi-annually	<0.0152 mg/l	TM184	17/11/2017 at 08.30	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS1	Nitrate as N	>2.2 mg/l	Bi-annually	0.176 mg/l	TM184	17/11/2017 at 08.30	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS1	Ammoniacal Nitrogen as N*	>0.012 mg/l	Bi-annually	0.0016 mg/l	TM099	17/11/2017 at 08.30	Lab:precision 2%, Bias - 1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
WS1	Chloride	>4564.4 mg/l	Bi-annually	111 mg/l	TM184	17/11/2017 at 08.30	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
WS1	Conductivity	>2400 μ S/cm	Bi-annually	0.824 mS/cm	TM120	17/11/2017 at 08.30	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
WS1	BOD	>19 mg/l	Bi-annually	2.44 mg/l	TM045	17/11/2017 at 08.30	Lab:precision 11.3%, Bias -10.6%, Expanded Uncertainty 33.2%. Sampling Immeasurable
WS1	Dissolved Oxygen	>7.1 mg/l	Bi-annually	3.3 mg/l	TM187	17/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
WS1	EPH>C10-C40	>100 μ g/l	Bi-annually	125 μ g/l	TM172	17/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS1	Total PAH(16)	>0.01 µg/l	Bi-annually	0.0879 µg/l	TM178	17/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
WS1	Orthophosphate	>10.57 mg/l	Bi-annually	0.26 mg/l	TM184	17/11/2017 at 08.30	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
WS1	Sulphate	>167.2 mg/l	Bi-annually	79.9 mg/l	TM184	17/11/2017 at 08.30	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
WS1	Total Cadmium	>0.0004 mg/l	Bi-annually	<0.5 µg/l	TM191	17/11/2017 at 08.30	Lab:precision 5.7%, Bias -12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
WS1	Total Calcium	>187.3 mg/l	Bi-annually	99.2 mg/l	TM228	17/11/2017 at 08.30	Lab:precision 4.2%, Bias -4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
WS1	Dissolved Nickel	>0.028 mg/l	Bi-annually	3.33 µg/l	TM152	17/11/2017 at 08.30	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS1	Dissolved Lead	>0.013 mg/l	Bi-annually	<0.2 µg/l	TM152	17/11/2017 at 08.30	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
WS1	Total Zinc	>2531 mg/l	Bi-annually	6.65 µg/l	TM191	17/11/2017 at 08.30	Lab:precision 5.9%, Bias -10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
WS2	pH	6.1 ÷ 8.52	Bi-annually	7.6 pH Units	TM256	17/11/2017 at 08.45	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
WS2	Total Oxidised Nitrogen as N	>0.89 mg/l	Bi-annually	<0.1 mg/l	TM184	17/11/2017 at 08.45	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
WS2	Nitrite as N	>0.084 mg/l	Bi-annually	<0.0152 mg/l	TM184	17/11/2017 at 08.45	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS2	Nitrate as N	>29.7 mg/l	Bi-annually	<0.0677 mg/l	TM184	17/11/2017 at 08.45	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS2	Ammoniacal Nitrogen as N*	>0.012 mg/l	Bi-annually	0.047 mg/l	TM099	17/11/2017 at 08.45	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
WS2	Chloride	>4564.4 mg/l	Bi-annually	146 mg/l	TM184	17/11/2017 at 08.45	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
WS2	Conductivity	>2400 μ S/cm	Bi-annually	1.4 mS/cm	TM120	17/11/2017 at 08.45	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
WS2	BOD	>19 mg/l	Bi-annually	8.49 mg/l	TM045	17/11/2017 at 08.45	Lab:precision 11.3%, Bias -10.6%, Expanded Uncertainty 33.2%. Sampling Immeasurable
WS2	Dissolved Oxygen	>7.1 mg/l	Bi-annually	<0.3 mg/l	TM187	17/11/2017 at 08.45	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS2	EPH C10-C40	>100 µg/l	Bi-annually	853 µg/l	TM172	17/11/2017 at 08.45	Lab: Unknown. Sampling: Immeasurable
WS2	Total PAH(16)	>0.01 µg/l	Bi-annually	8.16 µg/l	TM178	17/11/2017 at 08.45	Lab: Unknown. Sampling: Immeasurable
WS2	Orthophosphate	>10.57 mg/l	Bi-annually	0.948 mg/l	TM184	17/11/2017 at 08.45	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
WS2	Sulphate	>167.2 mg/l	Bi-annually	90.4 mg/l	TM184	17/11/2017 at 08.45	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
WS2	Total Cadmium	>0.0004 mg/l	Bi-annually	<0.5 µg/l	TM191	17/11/2017 at 08.45	Lab:precision 5.7%, Bias -12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
WS2	Total Calcium	>187.3 mg/l	Bi-annually	128 mg/l	TM228	17/11/2017 at 08.30	Lab:precision 4.2%, Bias -4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS2	Dissolved Nickel	>0.028 mg/l	Bi-annually	0.805 µg/l	TM152	17/11/2017 at 08.45	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
WS2	Dissolved Lead	>0.013 mg/l	Bi-annually	<0.2 µg/l	TM152	17/11/2017 at 08.45	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
WS2	Total Zinc	>2531 mg/l	Bi-annually	227 µg/l	TM191	17/11/2017 at 08.45	Lab:precision 5.9%, Bias -10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
WS3	pH	6.1 ÷ 8.52	Bi-annually	7.56 pH Units	TM256	17/11/2017 at 09.30	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
WS3	Total Oxidised Nitrogen as N	>0.89 mg/l	Bi-annually	0.268 mg/l	TM184	17/11/2017 at 09.30	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
WS3	Nitrite as N	>0.084 mg/l	Bi-annually	<0.0152 mg/l	TM184	17/11/2017 at 09.30	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							Sampling Immeasurable
WS3	Nitrate as N	>29.7 mg/l	Bi-annually	0.262 mg/l	TM184	17/11/2017 at 09.30	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS3	Ammoniacal Nitrogen as N*	>0.012 mg/l	Bi-annually	0.0033 mg/l	TM099	17/11/2017 at 09.30	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
WS3	Chloride	>4564.4 mg/l	Bi-annually	39.3 mg/l	TM184	17/11/2017 at 09.30	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
WS3	Conductivity	>2400 μ S/cm	Bi-annually	1.63 mS/cm	TM120	17/11/2017 at 09.30	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
WS3	BOD	>19 mg/l	Bi-annually	3.69 mg/l	TM045	17/11/2017 at 09.30	Lab:precision 11.3%, Bias -10.6%, Expanded Uncertainty 33.2%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS3	Dissolved Oxygen	>7.1 mg/l	Bi-annually	5.73 mg/l	TM046	17/11/2017 at 09.30	Lab: Unknown. Sampling: Immeasurable
WS3	EPH C10-C40	>100 µg/l	Bi-annually	<100 µg/l	TM172	17/11/2017 at 09.30	Lab: Unknown. Sampling: Immeasurable
WS3	Total PAH(16)	>0.01 µg/l	Bi-annually	0.834 µg/l	TM178	17/11/2017 at 09.30	Lab: Unknown. Sampling: Immeasurable
WS3	Orthophosphate	>10.57 mg/l	Bi-annually	<0.02 mg/l	TM184	17/11/2017 at 09.30	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
WS3	Sulphate	>167.2 mg/l	Bi-annually	477 mg/l	TM184	17/11/2017 at 09.30	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
WS3	Total Cadmium	>0.0004 mg/l	Bi-annually	<0.5 µg/l	TM191	17/11/2017 at 09.30	Lab:precision 5.7%, Bias -12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
WS3	Total Calcium	>187.3 mg/l	Bi-annually	291 mg/l	TM228	17/11/2017 at 09.30	Lab:precision 4.2%, Bias -4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS3	Dissolved Nickel	>0.028 mg/l	Bi-annually	4.09 µg/l	TM152	17/11/2017 at 09.30	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
WS3	Dissolved Lead	>0.013 mg/l	Bi-annually	<0.2 µg/l	TM152	17/11/2017 at 09.30	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
WS3	Total Zinc	>2531 mg/l	Bi-annually	57 µg/l	TM191	17/11/2017 at 09.30	Lab:precision 5.9%, Bias -10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
WS4	pH	6.1 ÷ 8.52	Bi-annually	7.54 pH Units	TM256	17/11/2017 at 09.50	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
WS4	Total Oxidised Nitrogen as N	>0.89 mg/l	Bi-annually	<0.1 mg/l	TM184	17/11/2017 at 09.50	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS4	Nitrite as N	>0.084 mg/l	Bi-annually	<0.0152 mg/l	TM184	17/11/2017 at 09.50	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS4	Nitrate as N	>2.2 mg/l	Bi-annually	<0.0677 mg/l	TM184	17/11/2017 at 09.50	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS4	Ammoniacal Nitrogen as N*	>0.012 mg/l	Bi-annually	0.054 mg/l	TM099	17/11/2017 at 09.50	Lab:precision 2%, Bias - 1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
WS4	Chloride	>4564.4 mg/l	Bi-annually	191 mg/l	TM184	17/11/2017 at 09.50	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
WS4	Conductivity	>2400 μ S/cm	Bi-annually	2.35 mS/cm	TM120	17/11/2017 at 09.50	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS4	BOD	>19 mg/l	Bi-annually	<1 mg/l	TM045	17/11/2017 at 09.50	Lab:precision 11.3%, Bias -10.6%, Expanded Uncertainty 33.2%. Sampling Immeasurable
WS4	Dissolved Oxygen	>7.1 mg/l	Bi-annually	<0.3 mg/l	TM187	17/11/2017 at 09.50	Lab: Unknown. Sampling: Immeasurable
WS4	EPH C10-C40	>100 µg/l	Bi-annually	<100 µg/l	TM172	17/11/2017 at 09.50	Lab: Unknown. Sampling: Immeasurable
WS4	Total PAH(16)	>0.01 µg/l	Bi-annually	<0.082 µg/l	TM178	17/11/2017 at 09.50	Lab: Unknown. Sampling: Immeasurable
WS4	Orthophosphate	>10.57 mg/l	Bi-annually	1.72 mg/l	TM184	17/11/2017 at 09.50	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
WS4	Sulphate	>167.2 mg/l	Bi-annually	383 mg/l	TM184	17/11/2017 at 09.50	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS4	Total Cadmium	>0.0004 mg/l	Bi-annually	<0.5 µg/l	TM191	17/11/2017 at 09.50	Lab:precision 5.7%, Bias -12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
WS4	Total Calcium	>187.3 mg/l	Bi-annually	135 mg/l	TM228	17/11/2017 at 09.50	Lab:precision 4.2%, Bias -4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
WS4	Dissolved Nickel	>0.028 mg/l	Bi-annually	10.5 µg/l	TM152	17/11/2017 at 09.50	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
WS4	Dissolved Lead	>0.013 mg/l	Bi-annually	<0.2 µg/l	TM152	17/11/2017 at 09.50	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
WS4	Total Zinc	>2531 mg/l	Bi-annually	7.04 µg/l	TM191	17/11/2017 at 09.50	Lab:precision 5.9%, Bias -10%, Expanded Uncertainty 21.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS5	pH	6.1 ÷ 8.52	Bi-annually	7.42 pH Units	TM256	17/11/2017 at 10.25	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
WS5	Total Oxidised Nitrogen as N	>0.89 mg/l	Bi-annually	<0.1 mg/l	TM184	17/11/2017 at 10.25	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
WS5	Nitrite as N	>0.084 mg/l	Bi-annually	0.0578 mg/l	TM184	17/11/2017 at 10.25	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS5	Nitrate as N	>29.7 mg/l	Bi-annually	<0.0677 mg/l	TM184	17/11/2017 at 10.25	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
WS5	Ammoniacal Nitrogen as N*	>0.012 mg/l	Bi-annually	0.128 mg/l	TM099	17/11/2017 at 10.25	Lab:precision 2%, Bias - 1.1%, Expanded Uncertainty 5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS5	Chloride	>4564.4 mg/l	Bi-annually	399 mg/l	TM184	17/11/2017 at 10.25	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
WS5	Conductivity	>2400 µS/cm	Bi-annually	3.13 mS/cm	TM120	17/11/2017 at 10.25	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
WS5	BOD	>19 mg/l	Bi-annually	18.2 mg/l	TM045	17/11/2017 at 10.25	Lab:precision 11.3%, Bias -10.6%, Expanded Uncertainty 33.2%. Sampling Immeasurable
WS5	Dissolved Oxygen	>7.1 mg/l	Bi-annually	<0.3 mg/l	TM187	17/11/2017 at 10.25	Lab: Unknown. Sampling: Immeasurable
WS5	EPH C10-C40	>100 µg/l	Bi-annually	1,810 µg/l	TM172	17/11/2017 at 10.25	Lab: Unknown. Sampling: Immeasurable
WS5	Total PAH(16)	>0.01 µg/l	Bi-annually	0.618 µg/l	TM178	17/11/2017 at 10.25	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS5	Orthophosphate	>10.57 mg/l	Bi-annually	1.99 mg/l	TM184	17/11/2017 at 10.25	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
WS5	Sulphate	>260 mg/l	Bi-annually	<2 mg/l	TM184	17/11/2017 at 10.25	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
WS5	Total Cadmium	>0.0004 mg/l	Bi-annually	<0.08 µg/l	TM191	17/11/2017 at 10.25	Lab:precision 5.7%, Bias -12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
WS5	Total Calcium	>187.3 mg/l	Bi-annually	221 mg/l	TM228	17/11/2017 at 10.25	Lab:precision 4.2%, Bias -4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
WS5	Dissolved Nickel	>0.028 mg/l	Bi-annually	2.22 µg/l	TM152	17/11/2017 at 10.25	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
WS5	Dissolved Lead	>0.013 mg/l	Bi-annually	<0.2 µg/l	TM152	17/11/2017 at 10.25	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
WS5	Total Zinc	>2531 mg/l	Bi-annually	135 µg/l	TM191	17/11/2017 at 10.25	Lab:precision 5.9%, Bias -10%, Expanded Uncertainty 21.7%. Sampling Immeasurable

*Total ammoniacal nitrogen converted to unionised ammonia using water temperature and pH.

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

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Signed _____
(Authorised to sign as representative of Operator)

Date: December 2017