Permit Number: EPR/PP3993VS Operator: Atlantic Recycling

Facility: Atlantic Recycling Form Number: Surfacewater1

Reporting of surface water monitoring for Monthly monitoring in January 2018

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[(1)]	Unit	Test Method[(2)]	Sample Date and Times[(3)]	Uncertainty [(4)]
Outfall	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	61.9	mg/l	TM022	09.00 on 25/01/2018	Lab: precision 1.1%, Bias -1.1%, Expanded Uncertainty 3.3%. Sampling Immeasurable
Outfall	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.23	mg/l	TM045	09.00 on 25/01/2018	Lab: precision 8%, Bias 2.2%, Expanded Uncertainty 18.3%. Sampling Immeasurable
Outfall	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.361	mg/l	TM099	09.00 on 25/01/2018	Lab: precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling Immeasurable
Outfall	Conductivity	>2000 µS/cm	Monthly	0.639	mS/cm	TM120	09.00 on 25/01/2018	Lab: precision 0.8%, Bias 3%, Expanded Uncertainty 4.6%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
Outfall	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	µg/l	TM152	09.00 on 25/01/2018	Lab: precision 4.2%, Bias 1.1%, Expanded Uncertainty 9.5%. Sampling Immeasurable
Outfall	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.87	µg/l	TM152	09.00 on 25/01/2018	Lab: precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling Immeasurable
Outfall	EPH Range >C10-C40 (aq)	>2 mg/l	Monthly	147	µg/l	TM172	09.00 on 25/01/2018	Lab: precision 8.8%, Bias -8.1%, Expanded Uncertainty 25.6%. Sampling Immeasurable
Outfall	EPH Range >C10-C20 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	EPH Range >C20-C30 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	EPH Range >C30-C40 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	Sulphate	>300 mg/l	Monthly	130	mg/l	TM184	09.00 on 25/01/2018	Lab: precision 3%, Bias 2.9%, Expanded Uncertainty 8.9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
Outfall	Chloride	>300 mg/l	Monthly	45.8	mg/l	TM184	09.00 on 25/01/2018	Lab: precision 3.3%, Bias 5%, Expanded Uncertainty 11.6%. Sampling Immeasurable
Outfall	Nitrite as N	>1 mg/l	Monthly	0.0301	mg/l	TM184	09.00 on 25/01/2018	Lab: precision 1.8%, Bias 0.7%, Expanded Uncertainty 4.2%. Sampling Immeasurable
Outfall	Phosphate (ortho) as PO_4	>1 mg/l	Monthly	0.112	mg/l	TM184	09.00 on 25/01/2018	Lab: precision 1.8%, Bias 1.7%, Expanded Uncertainty 5.4%. Sampling Immeasurable
Outfall	Nitrate as N	>1 mg/l	Monthly	0.706	mg/l	TM184	09.00 on 25/01/2018	Lab: precision 1.8%, Bias 0.7%, Expanded Uncertainty 4.2%. Sampling Immeasurable
Outfall	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.737	mg/l	TM184	09.00 on 25/01/2018	Lab: precision 2.5%, Bias 3.6%, Expanded Uncertainty 8.6%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
Outfall	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	11.3	mg/l	TM187	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	µg/l	TM191	09.00 on 25/01/2018	Lab: precision 8%, Bias -5.4%, Expanded Uncertainty 21.3%. Sampling Immeasurable
Outfall	Zinc (tot.unfilt)	>1 mg/l	Monthly	67.2	µg/l	TM191	09.00 on 25/01/2018	Lab: precision 8.3%, Bias -4.5%, Expanded Uncertainty 21.1%. Sampling Immeasurable
Outfall	Calcium (tot.unfilt)	>300 mg/l	Monthly	102	mg/l	TM228	09.00 on 25/01/2018	Lab: precision 3.6%, Bias -3.1%, Expanded Uncertainty 10.3%. Sampling Immeasurable
Outfall	pH	6.8 ï 8.5	Monthly	7.83	pH Units	TM256	09.00 on 25/01/2018	Lab: precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
Outfall	GRO >C5-C12	>2 mg/l	Monthly	<50	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
Outfall	GRO >C7-C8	>2 mg/l	Monthly	<10	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	GRO >C5-C6	>2 mg/l	Monthly	<10	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	GRO >C6-C7	>2 mg/l	Monthly	<10	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	GRO >C8-C10	>2 mg/l	Monthly	<10	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	GRO >C10-C12	>2 mg/l	Monthly	<10	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
Outfall	GRO >C5-C10	>2 mg/l	Monthly	<10	µg/l	TM245	09.00 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	24	mg/l	TM022	09.30 on 25/01/2018	Lab: precision 1.1%, Bias -1.1%, Expanded Uncertainty 3.3%. Sampling Immeasurable
SW 9	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1	mg/l	TM045	09.30 on 25/01/2018	Lab: precision 8%, Bias 2.2%, Expanded Uncertainty 18.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW 9	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.433	mg/l	TM099	09.30 on 25/01/2018	Lab: precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling Immeasurable
SW 9	Conductivity	>2000 µS/cm	Monthly	0.692	mS/cm	TM120	09.30 on 25/01/2018	Lab: precision 0.8%, Bias 3%, Expanded Uncertainty 4.6%. Sampling Immeasurable
SW 9	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	µg/l	TM152	09.30 on 25/01/2018	Lab: precision 4.2%, Bias 1.1%, Expanded Uncertainty 9.5%. Sampling Immeasurable
SW 9	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.82	µg/l	TM152	09.30 on 25/01/2018	Lab: precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling Immeasurable
SW 9	EPH Range >C10-C40 (aq)	>2 mg/l	Monthly	136	µg/l	TM172	09.30 on 25/01/2018	Lab: precision 8.8%, Bias -8.1%, Expanded Uncertainty 25.6%. Sampling Immeasurable
SW 9	EPH Range >C10-C20 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW 9	EPH Range >C20-C30 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	EPH Range >C30-C40 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	Sulphate	>300 mg/l	Monthly	124	mg/l	TM184	09.30 on 25/01/2018	Lab: precision 3%, Bias 2.9%, Expanded Uncertainty 8.9%. Sampling Immeasurable
SW 9	Chloride	>300 mg/l	Monthly	48.8	mg/l	TM184	09.30 on 25/01/2018	Lab: precision 3.3%, Bias 5%, Expanded Uncertainty 11.6%. Sampling Immeasurable
SW 9	Nitrite as N	>1 mg/l	Monthly	0.0353	mg/l	TM184	09.30 on 25/01/2018	Lab: precision 1.8%, Bias 0.7%, Expanded Uncertainty 4.2%. Sampling Immeasurable
SW 9	Phosphate (ortho) as PO_4	>1 mg/l	Monthly	0.125	mg/l	TM184	09.30 on 25/01/2018	Lab: precision 1.8%, Bias 1.7%, Expanded Uncertainty 5.4%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW 9	Nitrate as N	>1 mg/l	Monthly	0.642	mg/l	TM184	09.30 on 25/01/2018	Lab: precision 1.8%, Bias 0.7%, Expanded Uncertainty 4.2%. Sampling Immeasurable
SW 9	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.678	mg/l	TM184	09.30 on 25/01/2018	Lab: precision 2.5%, Bias 3.6%, Expanded Uncertainty 8.6%. Sampling Immeasurable
SW 9	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	11.1	mg/l	TM187	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	µg/l	TM191	09.30 on 25/01/2018	Lab: precision 8%, Bias -5.4%, Expanded Uncertainty 21.3%. Sampling Immeasurable
SW 9	Zinc (tot.unfilt)	>1 mg/l	Monthly	22.3	µg/l	TM191	09.30 on 25/01/2018	Lab: precision 8.3%, Bias -4.5%, Expanded Uncertainty 21.1%. Sampling Immeasurable
SW 9	Calcium (tot.unfilt)	>300 mg/l	Monthly	105	mg/l	TM228	09.30 on 25/01/2018	Lab: precision 3.6%, Bias -3.1%, Expanded Uncertainty 10.3%. Sampling Immeasurable

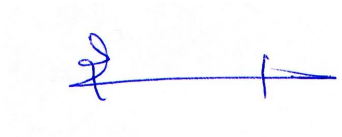
Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Unit	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW 9	pH	6.8 ï 8.5	Monthly	7.85	pH Units	TM256	09.30 on 25/01/2018	Lab: precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW 9	GRO>C5-12	>2 mg/l	Monthly	<50	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	GRO >C7-C8	>2 mg/l	Monthly	<10	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	GRO >C5-C6	>2 mg/l	Monthly	<10	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	GRO >C6-C7	>2 mg/l	Monthly	<10	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	GRO >C8-C10	>2 mg/l	Monthly	<10	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	GRO >C10-C12	>2 mg/l	Monthly	<10	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable
SW 9	GRO >C5-C10	>2 mg/l	Monthly	<10	µg/l	TM245	09.30 on 25/01/2018	Lab: Unknown. Sampling: Immeasurable

[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.



Signedé é

Date: February 2018

(Authorised to sign as representative of Operator)

Ahlim Hashm on behalf of Atlantic Recycling
Permit Number: EPR/PP3993VS