

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling Limited

Facility: Atlantic Recycling

Form Number: Surfacewater1

Reporting of surface water monitoring for quarterly monitoring in June 2019

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
OF	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.843	mg/l	TM099	19/06/2019	Lab Precision: 1.6%, Bias: 0.7%, Expanded Uncertainty: 3.8%, Sampling Immeasurable
OF	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	7.59	mg/l	TM045	19/06/2019	Lab Precision: 6.1%, Bias: 8.2%, Expanded Uncertainty: 20.4%, Sampling Immeasurable
OF	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	19/06/2019	Lab Precision: 2.5%, Bias: 2.5%, Expanded Uncertainty: 7.5%, Sampling Immeasurable
OF	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	120	mg/l	TM152	19/06/2019	Lab Precision: 3.1%, Bias: 1.3%, Expanded Uncertainty: 7.5%, Sampling Immeasurable
OF	Chloride	>300 mg/l	Monthly	54.7	mg/l	TM184	19/06/2019	Lab Precision: 3.2%, Bias: 3.5%, Expanded Uncertainty: 9.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
OF	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.766	mS/cm	TM120	19/06/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
OF	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	19/06/2019	Lab Precision: 10.6%, Bias: 5.6%, Expanded Uncertainty: 26.8%, Sampling Immeasurable
OF	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	19/06/2019	Lab Precision: 2.8%, Bias: 0.3%, Expanded Uncertainty: 6.0%, Sampling Immeasurable
OF	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.91	ug/l	TM152	19/06/2019	Lab Precision: 2.9%, Bias: 0.0%, Expanded Uncertainty: 5.9%, Sampling Immeasurable
OF	Nitrate as N	>1 mg/l	Monthly	0.487	mg/l	TM184	19/06/2019	Lab Precision: N/A, Sampling Immeasurable
OF	Nitrite as N	>1 mg/l	Monthly	0.131	mg/l	TM184	19/06/2019	Lab Precision: 1.7%, Bias: 0.0%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
OF	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.02	mg/l	TM187	19/06/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
OF	pH	6.8 . 8.5	Monthly	8.19	pH Units	TM256	19/06/2019	Lab Precision: 0.0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
OF	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.287	mg/l	TM184	19/06/2019	Lab Precision: 1.2%, Bias: 2.5%, Expanded Uncertainty: 4.9%, Sampling Immeasurable
OF	Sulphate	>300 mg/l	Monthly	189	mg/l	TM184	19/06/2019	Lab Precision: 3.0%, Bias: 2.8%, Expanded Uncertainty: 8.8%, Sampling Immeasurable
OF	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	12.5	mg/l	TM022	19/06/2019	Lab Precision: 1.0%, Bias: -0.8%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
OF	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	19/06/2019	Lab Precision: 7.3%, Bias: -13.3%, Expanded Uncertainty: 27.8%, Sampling Immeasurable
OF	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	19/06/2019	Lab Precision: 7.5%, Bias: -9.4%, Expanded Uncertainty: 24.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
OF	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.619	mg/l	TM184	19/06/2019	Lab Precision: 2.6%, Bias: 4.3%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
OF	Zinc (tot.unfilt)	>1 mg/l	Monthly	25.2	ug/l	TM152	19/06/2019	Lab Precision: 3.8%, Bias: 3.2%, Expanded Uncertainty: 10.9%, Sampling Immeasurable
SW09	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.876	mg/l	TM099	19/06/2019	Lab Precision: 1.6%, Bias: 0.7%, Expanded Uncertainty: 3.8%, Sampling Immeasurable
SW09	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.27	mg/l	TM045	19/06/2019	Lab Precision: 6.1%, Bias: 8.2%, Expanded Uncertainty: 20.4%, Sampling Immeasurable
SW09	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	19/06/2019	Lab Precision: 2.5%, Bias: 2.5%, Expanded Uncertainty: 7.5%, Sampling Immeasurable
SW09	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	108	mg/l	TM152	19/06/2019	Lab Precision: 3.1%, Bias: 1.3%, Expanded Uncertainty: 7.5%, Sampling Immeasurable
SW09	Chloride	>300 mg/l	Monthly	49.7	mg/l	TM184	19/06/2019	Lab Precision: 3.2%, Bias: 3.5%, Expanded Uncertainty: 9.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.706	mS/cm	TM120	19/06/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW09	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	19/06/2019	Lab Precision: 10.6%, Bias: 5.6%, Expanded Uncertainty: 26.8%, Sampling Immeasurable
SW09	Lead (diss.filt)	>0.25 mg/l	Monthly	0.625	ug/l	TM152	19/06/2019	Lab Precision: 2.8%, Bias: 0.3%, Expanded Uncertainty: 6.0%, Sampling Immeasurable
SW09	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.19	ug/l	TM152	19/06/2019	Lab Precision: 2.9%, Bias: 0.0%, Expanded Uncertainty: 5.9%, Sampling Immeasurable
SW09	Nitrate as N	>1 mg/l	Monthly	0.252	mg/l	TM184	19/06/2019	Lab Precision: N/A, Sampling Immeasurable
SW09	Nitrite as N	>1 mg/l	Monthly	0.0648	mg/l	TM184	19/06/2019	Lab Precision: 1.7%, Bias: 0.0%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW09	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.6	mg/l	TM187	19/06/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	pH	6.8 . 8.5	Monthly	7.76	pH Units	TM256	19/06/2019	Lab Precision: 0.0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW09	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.203	mg/l	TM184	19/06/2019	Lab Precision: 1.2%, Bias: 2.5%, Expanded Uncertainty: 4.9%, Sampling Immeasurable
SW09	Sulphate	>300 mg/l	Monthly	152	mg/l	TM184	19/06/2019	Lab Precision: 3.0%, Bias: 2.8%, Expanded Uncertainty: 8.8%, Sampling Immeasurable
SW09	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	3	mg/l	TM022	19/06/2019	Lab Precision: 1.0%, Bias: -0.8%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW09	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	19/06/2019	Lab Precision: 7.3%, Bias: -13.3%, Expanded Uncertainty: 27.8%, Sampling Immeasurable
SW09	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	19/06/2019	Lab Precision: 7.5%, Bias: -9.4%, Expanded Uncertainty: 24.4%, Sampling Immeasurable

