Permit Number: EPR/VP3095FS Operator: Neal Soils

Facility: Neal Soils Form Number: Groundwater1 /08/03/12

Reporting of groundwater monitoring for the period from May to November 2015

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result(1)	Test Method(2)	Sample Date and Times(3)	Uncertainty (4)
WS6	pH	7.3 ï 8.7	Bi-annually	8.01 pH Units	TM256	13/11/2015 11:20	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS6	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	<0.1 mg/l	TM184	13/11/2015 11:20	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS6	Nitrite as N	>300 mg/l	Bi-annually	<0.0152 mg/l	TM184	13/11/2015 11:20	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS6	Nitrate as N	>25.35 mg/l	Bi-annually	<0.0677 mg/l	TM184	13/11/2015 11:20	Lab: As per TON and NO_2. Sampling: Immeasurable
WS6	Ammoniacal Nitrogen as N*	>0.0614 mg/l	Bi-annually	0.0054 mg/l	TM099	13/11/2015 11:20	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS6	Chloride	>595 mg/l	Bi-annually	277 mg/l	TM184	13/11/2015 11:20	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS6	Conductivity	>7500 µS/cm	Bi-annually	2.72 mS/cm	TM120	13/11/2015 11:20	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS6	TPH C6-C35	>100 µg/l	Bi-annually	<283 ug/l	TM174	13/11/2015 11:20	Lab: Variable Sampling: Immeasurable
WS6	Total PAH (16)	>20 µg/l	Bi-annually	19.3 ug/l	TM178	13/11/2015 11:20	Lab: Variable Sampling: Immeasurable
WS6	Total Sulphate	>1779 mg/l	Bi-annually	866 mg/l	TM184	13/11/2015 11:20	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS6	Total Cadmium	>3.45 µg/l	Bi-annually	<0.5 ug/l	TM191	13/11/2015 11:20	Lab: Precision 4.3%, Bias -2.2%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
WS6	Total Calcium	>354 mg/l	Bi-annually	392 mg/l	TM228	13/11/2015 11:20	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS6	Dissolved Nickel	>30 mg/l	Bi-annually	9.65 ug/l	TM152	13/11/2015 11:20	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS6	Dissolved Lead	>17.5 µg/l	Bi-annually	0.113 ug/l	TM152	13/11/2015 11:20	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS6	Total Zinc	>2645 mg/l	Bi-annually	146 ug/l	TM191	13/11/2015 11:20	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. Sampling: Immeasurable
WS7	pH	7.3 ï 8.7	Bi-annually	7.7 pH Units	TM256	13/11/2015 08:30	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS7	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	<0.1 mg/l	TM184	13/11/2015 08:30	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS7	Nitrite as N	>300 mg/l	Bi-annually	0.0219 mg/l	TM184	13/11/2015 08:30	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS7	Nitrate as N	>25.35 mg/l	Bi-annually	<0.0677 mg/l	TM184	13/11/2015 08:30	Lab: As per TON and

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							NO_2. Sampling: Immeasurable
WS7	Ammoniacal Nitrogen as N*	>0.0614 mg/l	Bi-annually	0.555 mg/l	TM099	13/11/2015 08:30	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable
WS7	Chloride	>595 mg/l	Bi-annually	215 mg/l	TM184	13/11/2015 08:30	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS7	Conductivity	>7500 µS/cm	Bi-annually	2.34 mS/cm	TM120	13/11/2015 08:30	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS7	TPH C6-C35	>100 µg/l	Bi-annually	<66.7 ug/l	TM174	13/11/2015 08:30	Lab: Variable Sampling: Immeasurable
WS7	Total PAH (16)	>20 µg/l	Bi-annually	<0.344 ug/l	TM178	13/11/2015 08:30	Lab: Variable Sampling: Immeasurable
WS7	Total Sulphate	>269 mg/l	Bi-annually	382 mg/l	TM184	13/11/2015 08:30	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS7	Total Cadmium	>3.45 µg/l	Bi-annually	<0.5 ug/l	TM191	13/11/2015 08:30	Lab: Precision 4.3%, Bias -2.2%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 10.7%. Sampling: Immeasurable
WS7	Total Calcium	>354 mg/l	Bi-annually	178 mg/l	TM228	13/11/2015 08:30	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable
WS7	Dissolved Nickel	>30 mg/l	Bi-annually	3.67 ug/l	TM152	13/11/2015 08:30	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS7	Dissolved Lead	>17.5 µg/l	Bi-annually	0.075 ug/l	TM152	13/11/2015 08:30	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS7	Total Zinc	>2645 mg/l	Bi-annually	132 ug/l	TM191	13/11/2015 08:30	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. Sampling: Immeasurable
WS10	pH	7.3 ï 8.7	Bi-annually	7.97 pH Units	TM256	13/11/2015 8:45	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS10	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	<0.1 mg/l	TM184	13/11/2015 8:45	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Sampling: Immeasurable
WS10	Nitrite as N	>300 mg/l	Bi-annually	<0.0152 mg/l	TM184	13/11/2015 8:45	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS10	Nitrate as N	>25.35 mg/l	Bi-annually	<0.0677 mg/l	TM184	13/11/2015 8:45	Lab: As per TON and NO_2. Sampling: Immeasurable
WS10	Ammoniacal Nitrogen as N*	>0.0148 mg/l	Bi-annually	0.0358 mg/l	TM099	13/11/2015 8:45	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable
WS10	Chloride	>595 mg/l	Bi-annually	39.8 mg/l	TM184	13/11/2015 8:45	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS10	Conductivity	>7500 µS/cm	Bi-annually	0.836 mS/cm	TM120	13/11/2015 8:45	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS10	TPH C6-C35	>100 µg/l	Bi-annually	<149 ug/l	TM174	13/11/2015 8:45	Lab: Variable Sampling: Immeasurable
WS10	Total PAH (16)	>20 µg/l	Bi-annually	1.19 ug/l	TM178	13/11/2015 8:45	Lab: Variable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Sampling: Immeasurable
WS10	Total Sulphate	>269 mg/l	Bi-annually	31.8 mg/l	TM184	13/11/2015 8:45	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS10	Total Cadmium	>3.45 µg/l	Bi-annually	0.561 ug/l	TM191	13/11/2015 8:45	Lab: Precision 4.3%, Bias -2.2%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
WS10	Total Calcium	>354 mg/l	Bi-annually	573 mg/l	TM228	13/11/2015 8:45	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable
WS10	Dissolved Nickel	>30 mg/l	Bi-annually	2.14 ug/l	TM152	13/11/2015 8:45	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS10	Dissolved Lead	>17.5 µg/l	Bi-annually	0.315 ug/l	TM152	13/11/2015 8:45	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS10	Total Zinc	>2645 mg/l	Bi-annually	480 ug/l	TM191	13/11/2015 8:45	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS11	pH	7.3 ï 8.7	Bi-annually	7.69 pH Units	TM256	13/11/2015 9:00	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS11	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	<0.1 mg/l	TM184	13/11/2015 9:00	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS11	Nitrite as N	>300 mg/l	Bi-annually	<0.0152 mg/l	TM184	13/11/2015 9:00	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS11	Nitrate as N	>25.35 mg/l	Bi-annually	<0.0677 mg/l	TM184	13/11/2015 9:00	Lab: As per TON and NO_2. Sampling: Immeasurable
WS11	Ammoniacal Nitrogen as N*	>0.0148 mg/l	Bi-annually	0.0464 mg/l	TM099	13/11/2015 9:00	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable
WS11	Chloride	>595 mg/l	Bi-annually	148 mg/l	TM184	13/11/2015 9:00	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS11	Conductivity	>7500 µS/cm	Bi-annually	1.58 mS/cm	TM120	13/11/2015 9:00	Lab: Precision 1.4%, Bias 2.7%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.4%. Sampling: Immeasurable
WS11	TPH C6-C35	>100 µg/l	Bi-annually	<56 ug/l	TM174	13/11/2015 9:00	Lab: Variable Sampling: Immeasurable
WS11	Total PAH (16)	>20 µg/l	Bi-annually	<0.344 ug/l	TM178	13/11/2015 9:00	Lab: Variable Sampling: Immeasurable
WS11	Total Sulphate	>269 mg/l	Bi-annually	135 mg/l	TM184	13/11/2015 9:00	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS11	Total Cadmium	>3.45 µg/l	Bi-annually	<5 ug/l	TM191	13/11/2015 9:00	Lab: Precision 4.3%, Bias -2.2%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
WS11	Total Calcium	>354 mg/l	Bi-annually	1220 mg/l	TM228	13/11/2015 9:00	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable
WS11	Dissolved Nickel	>30 mg/l	Bi-annually	2.85 ug/l	TM152	13/11/2015 9:00	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS11	Dissolved Lead	>17.5 µg/l	Bi-annually	0.264 ug/l	TM152	13/11/2015 9:00	Lab: Precision 2.8%, Bias -0.5%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 6.2%. Sampling: Immeasurable
WS11	Total Zinc	>2645 mg/l	Bi-annually	1940 ug/l	TM191	13/11/2015 9:00	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. Sampling: Immeasurable
WS12	pH	8.6 ï 9.2	Bi-annually	7.67 pH Units	TM256	13/11/2015 9:30	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS12	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	<0.1 mg/l	TM184	13/11/2015 9:30	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS12	Nitrite as N	>300 mg/l	Bi-annually	<0.0152 mg/l	TM184	13/11/2015 9:30	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS12	Nitrate as N	>25.35 mg/l	Bi-annually	<0.0677 mg/l	TM184	13/11/2015 9:30	Lab: As per TON and NO_2. Sampling: Immeasurable
WS12	Ammoniacal Nitrogen as N*	>0.0614 mg/l	Bi-annually	0.0105 mg/l	TM099	13/11/2015 9:30	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS12	Chloride	>595 mg/l	Bi-annually	55.5 mg/l	TM184	13/11/2015 9:30	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS12	Conductivity	>7500 µS/cm	Bi-annually	1.51 mS/cm	TM120	13/11/2015 9:30	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS12	TPH C6-C35	>100 µg/l	Bi-annually	<56 ug/l	TM174	13/11/2015 9:30	Lab: Variable Sampling: Immeasurable
WS12	Total PAH (16)	>20 µg/l	Bi-annually	68.3 ug/l	TM178	13/11/2015 9:30	Lab: Variable Sampling: Immeasurable
WS12	Total Sulphate	>269 mg/l	Bi-annually	275 mg/l	TM184	13/11/2015 9:30	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS12	Total Cadmium	>3.45 µg/l	Bi-annually	1.62 ug/l	TM191	13/11/2015 9:30	Lab: Precision 4.3%, Bias -2.2%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
WS12	Total Calcium	>354 mg/l	Bi-annually	297 mg/l	TM228	13/11/2015 9:30	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS12	Dissolved Nickel	>30 mg/l	Bi-annually	7.66 ug/l	TM152	13/11/2015 9:30	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS12	Dissolved Lead	>17.5 µg/l	Bi-annually	1.5 ug/l	TM152	13/11/2015 9:30	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS12	Total Zinc	>2645 mg/l	Bi-annually	427 ug/l	TM191	13/11/2015 9:30	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. Sampling: Immeasurable
WS13	pH	7.3 ï 8.7	Bi-annually	8.07 pH Units	TM256	13/11/2015 13:00	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS13	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	0.348 mg/l	TM184	13/11/2015 13:00	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS13	Nitrite as N	>300 mg/l	Bi-annually	0.105 mg/l	TM184	13/11/2015 13:00	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS13	Nitrate as N	>25.35 mg/l	Bi-annually	0.243 mg/l	TM184	13/11/2015 13:00	Lab: As per TON and

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							NO_2. Sampling: Immeasurable
WS13	Ammoniacal Nitrogen as N*	>0.0148 mg/l	Bi-annually	0.0256 mg/l	TM099	13/11/2015 13:00	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable
WS13	Chloride	>595 mg/l	Bi-annually	55.5 mg/l	TM184	13/11/2015 13:00	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS13	Conductivity	>7500 µS/cm	Bi-annually	1.51 mS/cm	TM120	13/11/2015 13:00	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS13	TPH C6-C35	>100 µg/l	Bi-annually	<367 ug/l	TM174	13/11/2015 13:00	Lab: Variable Sampling: Immeasurable
WS13	Total PAH (16)	>20 µg/l	Bi-annually	2.87 ug/l	TM178	13/11/2015 13:00	Lab: Variable Sampling: Immeasurable
WS13	Total Sulphate	>269 mg/l	Bi-annually	580 mg/l	TM184	13/11/2015 13:00	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS13	Total Calcium	>354 mg/l	Bi-annually	217 mg/l	TM228	13/11/2015 13:00	Lab: Precision 4.7%, Bias -1.5%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 10.9%. Sampling: Immeasurable
WS13	Dissolved Nickel	>30 mg/l	Bi-annually	7.77 ug/l	TM152	13/11/2015 13:00	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS13	Dissolved Lead	>17.5 µg/l	Bi-annually	0.179 ug/l	TM152	13/11/2015 13:00	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS14	pH	7.3 ï 8.7	Bi-annually	7.58 pH Units	TM256	13/11/2015 13:25	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS14	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	0.45 mg/l	TM184	13/11/2015 13:25	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS14	Nitrite as N	>300 mg/l	Bi-annually	<0.0152 mg/l	TM184	13/11/2015 13:25	Lab: Precision 1.8%, Bias 0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS14	Nitrate as N	>25.35 mg/l	Bi-annually	0.446 mg/l	TM184	13/11/2015 13:25	Lab: As per TON and NO_2. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS14	Ammoniacal Nitrogen as N*	>0.0148 mg/l	Bi-annually	0.00044 mg/l	TM099	13/11/2015 13:25	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable
WS14	Chloride	>595 mg/l	Bi-annually	36.4 mg/l	TM184	13/11/2015 13:25	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS14	Conductivity	>7500 µS/cm	Bi-annually	1.28 mS/cm	TM120	13/11/2015 13:25	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS14	TPH C6-C35	>100 µg/l	Bi-annually	<417 ug/l	TM174	13/11/2015 13:25	Lab: Variable Sampling: Immeasurable
WS14	Total PAH (16)	>20 µg/l	Bi-annually	2.2 ug/l	TM178	13/11/2015 13:25	Lab: Variable Sampling: Immeasurable
WS14	Total Sulphate	>269 mg/l	Bi-annually	143 mg/l	TM184	13/11/2015 13:25	Lab: Precision 2.6%, Bias 3.4%, Expanded Uncertainty 8.5%. Sampling: Immeasurable
WS14	Total Cadmium	>3.45 µg/l	Bi-annually	<0.5 ug/l	TM191	13/11/2015 13:25	Lab: Precision 4.3%, Bias -2.2%, Expanded Uncertainty 10.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
WS14	Total Calcium	>354 mg/l	Bi-annually	156 mg/l	TM228	13/11/2015 13:25	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable
WS14	Dissolved Nickel	>30 mg/l	Bi-annually	6.26 ug/l	TM152	13/11/2015 13:25	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS14	Dissolved Lead	>17.5 µg/l	Bi-annually	0.083 ug/l	TM152	13/11/2015 13:25	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS14	Total Zinc	>2645 mg/l	Bi-annually	25 ug/l	TM191	13/11/2015 13:25	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. Sampling: Immeasurable
WS15	pH	7.3 ï 8.7	Bi-annually	7.61 pH Units	TM256	13/11/2015 13:45	Lab: Precision 0.5%, Bias 1.1%, Expanded Uncertainty 2.0%. Sampling: Immeasurable
WS15	Total Oxidised Nitrogen as N	>3.2 mg/l	Bi-annually	<0.1 mg/l	TM184	13/11/2015 13:45	Lab: Precision 3.5%, Bias 4.8%, Expanded Uncertainty 11.9%. Sampling: Immeasurable
WS15	Nitrite as N	>300 mg/l	Bi-annually	<0.0152 mg/l	TM184	13/11/2015 13:45	Lab: Precision 1.8%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							0.9%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
WS15	Nitrate as N	>25.35 mg/l	Bi-annually	<0.0677 mg/l	TM184	13/11/2015 13:45	Lab: As per TON and NO_2. Sampling: Immeasurable
WS15	Ammoniacal Nitrogen as N*	>0.0148 mg/l	Bi-annually	0.00387 mg/l	TM099	13/11/2015 13:45	Lab: Precision 3.2%, Bias 1.3%, Expanded Uncertainty 7.7%. Sampling: Immeasurable
WS15	Chloride	>595 mg/l	Bi-annually	56.4 mg/l	TM184	13/11/2015 13:45	Lab: Precision 2.9%, Bias 3.4%, Expanded Uncertainty 9.1%. Sampling: Immeasurable
WS15	Conductivity	>7500 µS/cm	Bi-annually	1.17 mS/cm	TM120	13/11/2015 13:45	Lab: Precision 1.4%, Bias 2.7%, Expanded Uncertainty 5.4%. Sampling: Immeasurable
WS15	TPH C6-C35	>100 µg/l	Bi-annually	<56 ug/l	TM174	13/11/2015 13:45	Lab: Variable Sampling: Immeasurable
WS15	Total PAH (16)	>20 µg/l	Bi-annually	<0.344 ug/l	TM178	13/11/2015 13:45	Lab: Variable Sampling: Immeasurable
WS15	Total Sulphate	>269 mg/l	Bi-annually	175 mg/l	TM184	13/11/2015 13:45	Lab: Precision 2.6%, Bias 3.4%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 8.5%. Sampling: Immeasurable
WS15	Total Cadmium	>3.45 µg/l	Bi-annually	<0.5 ug/l	TM191	13/11/2015 13:45	Lab: Precision 4.3%, Bias -2.2%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
WS15	Total Calcium	>354 mg/l	Bi-annually	138 mg/l	TM228	13/11/2015 13:45	Lab: Precision 4.7%, Bias -1.5%, Expanded Uncertainty 10.9%. Sampling: Immeasurable
WS15	Dissolved Nickel	>30 mg/l	Bi-annually	4.79 ug/l	TM152	13/11/2015 13:45	Lab: Precision 4.7%, Bias 1.8%, Expanded Uncertainty 11.2%. Sampling: Immeasurable
WS15	Dissolved Lead	>17.5 µg/l	Bi-annually	0.072 ug/l	TM152	13/11/2015 13:45	Lab: Precision 2.8%, Bias -0.5%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
WS15	Total Zinc	>2645 mg/l	Bi-annually	45.6 ug/l	TM191	13/11/2015 13:45	Lab: Precision 7.0%, Bias -2.5%, Expanded Uncertainty 16.4%. 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.



Signedé é é é