2023 - 2024

Concentration Monitoring Summary

Monitoring/discharge points and areas

EPA Identification Number 3

Air emission monitoring - Combined air emissions from boiler 1 via Points 7 and 8 to Point 1

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value	100th percentile concentration limits
Cadmium	milligrams per cubic metre	Six monthly	2	0.00015	0.00019	0.00023	0.2
Chlorine	milligrams per cubic metre	Six monthly	2	0.005	0.058	0.110	20
Fluorine	milligrams per cubic metre	Six monthly	2	7.2	7.7	8.2	30
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	9.2	15.1	21.0	50
Mercury	milligrams per cubic metre	Six monthly	2	0.00015	0.00038	0.00061	0.05
Nitrogen Oxides	milligrams per cubic metre	Continouus	Continuous	203.01	472.93	824.81	1100
Solid Particles	milligrams per cubic metre	Quarterly	4	3.7	5.5	9.3	50
Suflur Dioxide	milligrams per cubic metre	Continuous	Continuous	301.74	797.58	1,698.66	1700
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.50	2.45	3.40	100
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.0065	0.0076	0.0088	0.75
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.045	0.40	0.76	10

In addtion to the 100th percentile concentration limits, 99th percentile concentration limits of 1100 mg/m3 and 1400 mg/m3 apply to Nitrogen oxides and Sulfur dioxide, respectively .

Measured concentrations from the boiler's A and B ducts are used to calculate the concentrations from the boiler. Some of the duct concentrationsfor some substances are reported as less than the relevant Limit of Detection, in which case the calculation uses 50% of the Limit of Detection value, in accordance with LBL Protocol rules.

EPA Identification Number 4

Air emission monitoring - Combined air emissions from boiler 2 via Points 9 and 10 to Point 1

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value	100th percentile concentration limits
Cadmium	milligrams per cubic metre	Six monthly	2	0.00010	0.00011	0.00012	0.2
Chlorine	milligrams per cubic metre	Six monthly	2	0.005	0.021	0.036	20
Fluorine	milligrams per cubic metre	Six monthly	2	9.0	12.5	16.0	30
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	9.3	9.5	9.7	50
Mercury	milligrams per cubic metre	Six monthly	2	0.00021	0.00034	0.00048	0.05
Nitrogen Oxides	milligrams per cubic metre	Continouus	Continuous	200.01	381.87	805.01	1100
Solid Particles	milligrams per cubic metre	Quarterly	2	2.9	13.8	20.7	50
Suflur Dioxide	milligrams per cubic metre	Continuous	Continuous	300.08	669.59	1,508.61	1700
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.30	3.50	5.70	100
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.0087	0.0256	0.0426	0.75
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.03	0.40	0.77	10

In addtion to the 100th percentile concentration limits, 99th percentile concentration limits of 1100 mg/m3 and 1400 mg/m3 apply to Nitrogen oxides and Sulfur dioxide, respectively .

Measured concentrations from the boiler's A and B ducts are used to calculate the concentrations from the boiler. Some of the duct concentrationsfor some substances are reported as less than the relevant Limit of Detection, in which case the calculation uses 50% of the Limit of Detection value, in accordance with LBL Protocol rules.

EPA Identification Number 5

Air emission monitoring - Combined air emissions from boiler 3 via Points 11 and 12 to Point 2

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value	100th percentile concentration limits
Cadmium	milligrams per cubic metre	Six monthly	2	0.00012	0.00014	0.00015	0.2
Chlorine	milligrams per cubic metre	Six monthly	2	0.005	0.018	0.030	20
Fluorine	milligrams per cubic metre	Six monthly	2	14.0	16.5	19.0	30
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	17.0	18.5	20.0	50
Mercury	milligrams per cubic metre	Six monthly	2	0.0004	0.0008	0.0012	0.05
Nitrogen Oxides	milligrams per cubic metre	Continouus	Continuous	200.19	332.85	728.84	1100
Solid Particles	milligrams per cubic metre	Quarterly	4	5.7	9.9	14.3	50
Suflur Dioxide	milligrams per cubic metre	Continuous	Continuous	307.30	736.27	1,284.13	1700
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.50	1.60	1.70	100
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.010	0.020	0.031	0.75
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.025	0.13	0.23	10

In addtion to the 100th percentile concentration limits, 99th percentile concentration limits of 1100 mg/m3 and 1400 mg/m3 apply to Nitrogen oxides and Sulfur dioxide, respectively .

Measured concentrations from the boiler's A and B ducts are used to calculate the concentrations from the boiler. Some of the duct concentrationsfor some substances are reported as less than the relevant Limit of Detection, in which case the calculation uses 50% of the Limit of Detection value, in accordance with LBL Protocol rules.

EPA Identification Number 6

Air emission monitoring - Combined air emissions from boiler 4 via Points 13 and 14 to Point 2

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value	100th percentile concentration limits
Cadmium	milligrams per cubic metre	Six monthly	2	0.00013	0.00015	0.00016	0.2
Chlorine	milligrams per cubic metre	Six monthly	2	0.024	0.029	0.033	20
Fluorine	milligrams per cubic metre	Six monthly	2	14.0	15.0	16.0	30
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	15.0	15.0	15.0	50
Mercury	milligrams per cubic metre	Six monthly	2	0.00029	0.00059	0.00089	0.05
Nitrogen Oxides	milligrams per cubic metre	Continuous	Continuous	200.01	323.68	588.46	1100
Solid Particles	milligrams per cubic metre	Quarterly	4	14.0	18.7	23.4	50
Suflur Dioxide	milligrams per cubic metre	Continuous	Continuous	300.04	565.35	1,203.90	1700
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.00	1.30	1.60	100
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.011	0.017	0.023	0.75
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.035	0.098	0.16	10

In addition to the 100th percentile concentration limit, a 99th percentile concentration limit of 1400 mg/m3 applies to sulfur dioxide.

Measured concentrations from the boiler's A and B ducts are used to calculate the concentrations from the boiler. Some of the duct concentrations for some substances are reported as less than the relevant Limit of Detection, in which case the calculation uses 50% of the Limit of Detection value, in accordance with LBL Protocol rules.

EPA Identification Number 7

Air emission monitoring - Boiler number 1 exhaust - duct A

1A

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.00015	0.00026	0.00037
*Flow rate	cubic metres per second	Continuous	4	210	280	330
Mercury	milligrams per cubic metre	Six monthly	2	0.0002	0.00033	0.00051
**Moisture	percent	Continuous	Continuous	3.00	6.01	13.96
Oxygen	percent	Continuous	Continuous	4.03	8.05	12.99
Solid Particles	milligrams per cubic metre	Quarterly	4	2.90	5.69	12.00
Temperature	Degrees, C	Continuous	Continuous	90	118	129
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.006	0.0075	0.0090
Carbon dioxide	percent	Six monthly	2	11.7	11.9	12.0
Chlorine	milligrams per cubic metre	Six monthly	2	0.005	0.058	0.11
Fluorine	milligrams per cubic metre	Six monthly	2	7.20	7.70	8.20
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	9.2	15.1	21.0
Nitrogen Oxides	milligrams per cubic metre	Continuous	Continuous	203.01	472.93	824.81
Suflur Dioxide	milligrams per cubic metre	Continuous	Continuous	301.74	797.58	1698.66
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.50	2.45	3.40
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.045	0.40	0.76

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Indentifcation Number 8

Air emission monitoring - Boiler number 1 exhaust - duct B

1B

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.00010	0.00013	0.00015
*Flow rate	cubic metres per second	Continuous	4	220	290	330
Mercury	milligrams per cubic metre	Six monthly	2	0.00015	0.00042	0.00069
**Moisture	percent	Continuous	Continuous	3.06	7.15	14.0
Oxygen	percent	Continouus	Continuous	4.11	7.41	13.00
Solid Particles	milligrams per cubic metre	Quarterly	4	3.1	5.1	7.2
Temperature	Degrees, C	Continouus	Continuous	90.0	116.1	129.3
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.007	0.0078	0.0085

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Identification Number 9

2A

Air emission monitoring - Boiler number 2 exhaust - duct A

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.00010	0.00010	0.00010
*Flow rate	cubic metres per second	Continuous	4	230	245	260
Mercury	milligrams per cubic metre	Six monthly	2	0.0003	0.00043	0.00056
**Moisture	percent	Continuous	Continuous	7.84	11.86	13.99
Oxygen	percent	Continouus	Continuous	4.02	7.55	13.00
Solid Particles	milligrams per cubic metre	Quarterly	4	3.6	17.9	37.0
Temperature	Degrees, C	Continouus	Continuous	90	121	130
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.012	0.0143	0.0165
Carbon dioxide	percent	Six monthly	2	12.0	12.2	12.4
Chlorine	milligrams per cubic metre	Six monthly	2	0.005	0.021	0.036
Fluorine	milligrams per cubic metre	Six monthly	2	9.0	12.5	16.0
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	9.3	9.5	9.7
Nitrogen Oxides	milligrams per cubic metre	Continouus	Continuous	200.01	381.87	805.01
Suflur Dioxide	milligrams per cubic metre	Continouus	Continuous	300.08	669.59	1,508.61
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.30	3.50	5.70
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.03	0.40	0.77

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Identification Number 10

Air emission monitoring - Boiler number 2 exhaust - duct B

2B

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.0001	0.00013	0.00015
*Flow rate	cubic metres per second	Continuous	4	210	230.00	250
Mercury	milligrams per cubic metre	Six monthly	2	0.0001	0.00025	0.0004
**Moisture	percent	Continuous	Continuous	0.000	0.00	0.00
Oxygen	percent	Continouus	Continuous	4.06	7.59	13.00
Solid Particles	milligrams per cubic metre	Quarterly	4	2.2	9.18	19.0
Temperature	Degrees, C	Continouus	Continuous	90	117	129
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.005	0.0375	0.07

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Identification Number 11

Air emission monitoring - Boiler number 3 exhaust - duct A

3A

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.00015	0.00015	0.00015
*Flow rate	cubic metres per second	Continuous	4	200	275	340
Mercury	milligrams per cubic metre	Six monthly	2	0.00015	0.00063	0.0011
**Moisture	percent	Continuous	Continuous	6.80	11.58	13.99
Oxygen	percent	Continuous	Continuous	4.13	7.13	12.97
Solid Particles	milligrams per cubic metre	Quarterly	4	2.5	7.6	10.0
Temperature	Degrees, C	Continuous	Continuous	91	119	130
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.011	0.033	0.055
Carbon dioxide	percent	Six monthly	2	12.5	12.6	12.6
Chlorine	milligrams per cubic metre	Six monthly	2	0.005	0.018	0.03
Fluorine	milligrams per cubic metre	Six monthly	2	14.0	16.5	19.0
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	17.0	18.5	20.0
Nitrogen Oxides	milligrams per cubic metre	Continuous	Continuous	200.19	332.85	728.84
Suflur Dioxide	milligrams per cubic metre	Continuous	Continuous	307.30	736.27	1,284.13
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.5	1.6	1.7
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.025	0.13	0.23

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Identification Number 12

Air emission monitoring - Boiler number 3 exhaust - duct B

3B

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.0001	0.0001	0.00015
*Flow rate	cubic metres per second	Continuous	4	200	240	310
Mercury	milligrams per cubic metre	Six monthly	2	0.00067	0.00094	0.0012
**Moisture	percent	Continuous	Continuous	3.01	8.55	13.99
Oxygen	percent	Continouus	Continuous	4.13	7.13	12.97
Solid Particles	milligrams per cubic metre	Quarterly	4	7.30	12.18	19.0
Temperature	Degrees, C	Continouus	Continuous	90	116	128
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.009	0.009	0.01

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

4A

EPA Identification Number 13

Air emission monitoring - Boiler number 4 exhaust - duct A

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.0002	0.0002	0.0002
*Flow rate	cubic metres per second	Continuous	4	220	255	320
Mercury	milligrams per cubic metre	Six monthly	2	0.00025	0.00054	0.00083
**Moisture	percent	Continuous	Continuous	3.15	9.47	13.99
Oxygen	percent	Continouus	Continuous	4.04	7.22	12.99
Solid Particles	milligrams per cubic metre	Quarterly	4	7.3	17.2	28.0
Temperature	Degrees, C	Continouus	Continuous	91	119	130
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.010	0.016	0.022
Carbon dioxide	percent	Six monthly	2	11.5	12.0	12.5
Chlorine	milligrams per cubic metre	Six monthly	2	0.024	0.029	0.033
Fluorine	milligrams per cubic metre	Six monthly	2	14.0	15.0	16.0
Hydrogen chloride	milligrams per cubic metre	Six monthly	2	15.0	15.0	15.0
Nitrogen Oxides	milligrams per cubic metre	Continouus	Continuous	200.01	323.68	588.46
Suflur Dioxide	milligrams per cubic metre	Continouus	Continuous	300.04	565.35	1,203.90
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Six monthly	2	1.0	1.3	1.6
Volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Six monthly	2	0.035	0.098	0.16

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Identification Number 14

Air emission monitoring - Boiler number 4 exhaust - duct B

4B

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Cadmium	milligrams per cubic metre	Six monthly	2	0.0001	0.00013	0.00015
*Flow rate	cubic metres per second	Continuous	4	180	243	290
Mercury	milligrams per cubic metre	Six monthly	2	0.00034	0.00063	0.00092
Moisture	percent	Continuous	Continuous	3.15	9.11	13.99
Oxygen	percent	Continouus	Continuous	4.00	6.83	12.99
Solid Particles	milligrams per cubic metre	Quarterly	4	2.2	18.6	30.0
Temperature	Degrees, C	Continouus	Continuous	90	117	128
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Six monthly	2	0.013	0.0183	0.024

Where results less than the Limit of Detection were reported for a substance, 50% of the Limit of Detection value is included in the table and was used in calculating the mean concentration for that substance, in accordance with the LBL Protocol rules.
* Flow rate taken from periodic stack emissions, exhaust flows are estimated by Origin using the Malfroy method, for the purpose of reporting annual emission loads.
** Moisture measurement are currently undertaken by insitu instrumentation which have proved to be unreliable therefore, the current measured data is not considered appropriate to be relied upon. In addtion, due to unreliable instruments Origin has submitted a mositure calculation to the EPA (12/07/2024) for review and approval as special method for moisture.

EPA Identification Number 15
Meteorological weather monitoring Ambient air quality monitoring
Dora Creek meteorological weather and ambient air monitoring station

Ambient air quality	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Nitrogen dioxide	parts per hundred million	Continuous	Continuous	0.0004	0.487	2.301
Sulfur dioxide	parts per hundred million	Continuous	Continuous	0.00002	0.140	5.812

EPA Identification Number 16
Ambient air quality monitoring,
Marks Point ambient air monitoring station

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Nitrogen dioxide	parts per hundred million	Continuous	Continuous	0.0255	0.599	5.208
Sulfur dioxide	parts per hundred million	Continuous	Continuous	0.00010	0.13	6.14

EPA Identification Number 17
Dust deposition gauge marked and shown as EPA 17 on the Plan

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulate matter	grams per square metre per month	Monthly	12	0.60	1.36	3.20

EPA Identification Number 18
Dust deposition gauge marked and shown as EPA 18 on the Plan

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulate matter	grams per square metre per month	Monthly	12	0.70	1.23	2.80

EPA Identification Number 19
Dust deposition gauge marked and shown as EPA 19 on the Plan

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulate matter	grams per square metre per month	Monthly	12	0.30	1.86	4.10

EPA Iidentification Number 20
Dust deposition gauge marked and shown as EPA 20 on the Plan

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Particulate matter	grams per square metre per month	Monthly	12	0.60	1.62	3.40

EPA Identification Number 36
Discharge to waters - Discharge quality monitoring, Volume monitoring
Discharge of cooling water from the cooling water outlet canal to Myuna Bay

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Copper	milligrams per litre	Monthly during discharge	12	0.0011	0.002	0.0019
Iron	milligrams per litre	Monthly during discharge	12	0.056	0.157	0.246
Selenium	milligrams per litre	Monthly during discharge	12	0.0005	0.0006	0.0010
Temperature	degrees Celsius	Continuous during discharge	52533	18	29	37
Volume	megalitres per day	Continuous during discharge	366	5,132	7,531	11,179

EPA Identification Number 22
Discharge to waters - Discharge quality monitoring
Discharge from the ash dam after the siphon pond weir

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly during discharge	12	0.10	0.311	0.84
Ammonia	milligrams per litre	Monthly during discharge	12	0.26	0.903	1.69
Arsenic(III)	milligrams per litre	Monthly during discharge	12	0.00025	0.196	1.10
Arsenic (V)	milligrams per litre	Monthly during discharge	12	0.0052	3.59	10.60
Cadmium	milligrams per litre	Monthly during discharge	12	0.00005	0.00019	0.0008
Chromium (trivalent)	milligrams per litre	Monthly during discharge	12	0.0005	0.0005	0.0005
Chromium (VI) compounds	milligrams per litre	Monthly during discharge	12	0.005	0.005	0.005
Copper	milligrams per litre	Monthly during discharge	12	0.0017	0.0143	0.093
Iron	milligrams per litre	Monthly during discharge	12	0.005	0.0984	0.309
Lead	milligrams per litre	Monthly during discharge	12	0.0001	0.0003	0.0006
Manganese	milligrams per litre	Monthly during discharge	12	0.0102	0.0538	0.122
Nickel	milligrams per litre	Monthly during discharge	12	0.0003	0.0032	0.0062
Nitrate+Nitrite (oxidised nitrogen)	milligrams per litre	Monthly during discharge	12	2.03	5.62	8.94
Nitrogen	milligrams per litre	Monthly during discharge	12	3.10	7.28	11.00
pH	pH	Monthly during discharge	12	7.65	8.19	8.92
Phosphorus	milligrams per litre	Monthly during discharge	12	0.30	0.91	1.52
Reactive Phosphorus	milligrams per litre	Monthly during discharge	12	0.27	0.85	1.30
Selenium	milligrams per litre	Monthly during discharge	12	0.016	0.082	0.640
Total Kjeldahl Nitrogen	milligrams per litre	Monthly during discharge	12	1.0	1.67	2.40
Total Suspended Solids	milligrams per litre	Monthly during discharge	12	7.0	21.17	78.0
Vanadium	milligrams per litre	Monthly during discharge	12	0.0226	0.05	0.0882
Zinc	milligrams per litre	Monthly during discharge	12	0.002	0.0077	0.024

EPA Identification Number 23
Discharge to waters- Discharge quality monitoring, Volume monitoring
Emergency discharge from ash dam outlet at Culvert under Main Road 217

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly during discharge	No Discharge			
Ammonia	milligrams per litre	Monthly during discharge	No Discharge			
Arsenic(III)	milligrams per litre	Monthly during discharge	No Discharge			
Arsenic (V)	milligrams per litre	Monthly during discharge	No Discharge			
Cadmium	milligrams per litre	Monthly during discharge	No Discharge			
Chromium (trivalent)	milligrams per litre	Monthly during discharge	No Discharge			
Chromium (VI) Compounds	milligrams per litre	Monthly during discharge	No Discharge			
Copper	milligrams per litre	Monthly during discharge	No Discharge			
Iron	milligrams per litre	Monthly during discharge	No Discharge			
Lead	milligrams per litre	Monthly during discharge	No Discharge			
Manganese	milligrams per litre	Monthly during discharge	No Discharge			
Nickel	milligrams per litre	Monthly during discharge	No Discharge			
Nitrate+Nitrite (oxidised nitrogen)	milligrams per litre	Monthly during discharge	No Discharge			
Nitrogen	milligrams per litre	Monthly during discharge	No Discharge			
pH	pH	Monthly during discharge	No Discharge			
Phosporus	milligrams per litre	Monthly during discharge	No Discharge			
Reactive phosphorus	milligrams per litre	Monthly during discharge	No Discharge			
Selenium	milligrams per litre	Monthly during discharge	No Discharge			
Total Kjeldahl nitrogen	milligrams per litre	Monthly during discharge	No Discharge			
Total suspended solids	milligrams per litre	Monthly during discharge	No Discharge			
Vanadium	milligrams per litre	Monthly during discharge	No Discharge			
Zinc	milligrams per litre	Monthly during discharge	No Discharge			
Volume	megalitres per day	Continuous during discharge	No Discharge			

EPA Identification Number 24
Discharge to waters- Discharge quality monitoring, Volume monitoring
Emergency discharge from ash dam toe drain collection pond

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly during discharge	No Discharge			
Ammonia	milligrams per litre	Monthly during discharge	No Discharge			
Arsenic(III)	milligrams per litre	Monthly during discharge	No Discharge			
Arsenic (V)	milligrams per litre	Monthly during discharge	No Discharge			
Cadmium	milligrams per litre	Monthly during discharge	No Discharge			
Chromium (trivalent)	milligrams per litre	Monthly during discharge	No Discharge			
chromium (VI) compounds	milligrams per litre	Monthly during discharge	No Discharge			
Copper	milligrams per litre	Monthly during discharge	No Discharge			
Iron	milligrams per litre	Monthly during discharge	No Discharge			
Lead	milligrams per litre	Monthly during discharge	No Discharge			
Manganese	milligrams per litre	Monthly during discharge	No Discharge			
Nickel	milligrams per litre	Monthly during discharge	No Discharge			
Nitrate+nitrite (oxidised nitrogen)	milligrams per litre	Monthly during discharge	No Discharge			
Nitrogen	milligrams per litre	Monthly during discharge	No Discharge			
pH	pH	Monthly during discharge	No Discharge			
Phosporus	milligrams per litre	Monthly during discharge	No Discharge			
Reactive phosphorus	milligrams per litre	Monthly during discharge	No Discharge			
Selenium	milligrams per litre	Monthly during discharge	No Discharge			
Total Kjeldahl nitrogen	milligrams per litre	Monthly during discharge	No Discharge			
Total suspended solids	milligrams per litre	Monthly during discharge	No Discharge			
Vanadium	milligrams per litre	Monthly during discharge	No Discharge			
Zinc	milligrams per litre	Monthly during discharge	No Discharge			
Volume	megalitres per day	Continuous during discharge	No Discharge			

EPA Identification Number 25
Volume monitoring

Discharge from ash dam pipe to outlet canal (tunnel spillway)						
Pollutant	**Unit of measure**	**No. of samples required by licence**	**No. of samples you collected and analysed**	**Lowest sample value**	**Mean of sample**	**Highest sample value**
Volume	megalitres per day	Continuous during discharge	366	0.00	4.9	50.9

EPA Identification Number 26
Discharge utilisation area - Volume monitoring
Discharge of effluent from the final pond of the sewage treatment system adjacent to utilisation area.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Volume	kilolitres per day	Daily during any discharge	7	0.2	33.0	221.0

EPA Identification Number 27
Ambient water quality monitoring
Water quality monitoring between cooling water inlet and Hungary Point in Lake Macquarie

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly	12	0.024	0.072	0.346
Ammonia	milligrams per litre	Monthly	12	0.0025	0.0060	0.013
Arsenic(III)	milligrams per litre	Monthly	12	0.002	1.334	2.00
Arsenic (V)	milligrams per litre	Monthly	12	0.002	1.334	2.00
Cadmium	milligrams per litre	Monthly	12	0.0001	0.0001	0.0002
Chromium (III)	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Chromium (VI) compounds	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Copper	milligrams per litre	Monthly	12	0.0005	0.00154	0.005
Iron	milligrams per litre	Monthly	12	0.033	0.106	0.441
Lead	milligrams per litre	Monthly	12	0.0001	0.0001	0.0004
Manganese	milligrams per litre	Monthly	12	0.0033	0.0086	0.0234
Nickel	milligrams per litre	Monthly	12	0.00025	0.00053	0.0019
pH	pH	Monthly	12	7.94	8.13	8.23
Selenium	milligrams per litre	Monthly	12	0.001	0.001	0.001
Total suspended solids	milligrams per litre	Monthly	12	2.5	25.5	57.0
Vanadium	milligrams per litre	Monthly	12	0.0017	0.0025	0.0035
Zinc	milligrams per litre	Monthly	12	0.0025	0.0034	0.010

EPA Identification Number 28
Ambient water quality monitoring
Water quality monitoring near the old Wangi Wangi Power Station in Lake Macquarie

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly	12	0.022	0.086	0.566
Ammonia	milligrams per litre	Monthly	12	0.0025	0.0079	0.026
Arsenic(III)	milligrams per litre	Monthly	12	0.002	1.33	2.00
Arsenic (V)	milligrams per litre	Monthly	12	0.002	1.33	2.00
Cadmium	milligrams per litre	Monthly	12	0.0001	0.0001	0.0001
Chromium (III)	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Chromium (VI) compounds	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Copper	milligrams per litre	Monthly	12	0.0005	0.0015	0.004
Iron	milligrams per litre	Monthly	12	0.030	0.123	0.776
Lead	milligrams per litre	Monthly	12	0.0001	0.00012	0.0003
Manganese	milligrams per litre	Monthly	12	0.0038	0.010	0.034
Nickel	milligrams per litre	Monthly	12	0.00025	0.0005	0.001
pH	pH	Monthly	12	7.78	8.11	8.25
Selenium	milligrams per litre	Monthly	12	0.001	0.001	0.001
Total suspended solids	milligrams per litre	Monthly	12	2.5	25.0	80.0
Vanadium	milligrams per litre	Monthly	12	0.0018	0.0025	0.0034
Zinc	milligrams per litre	Monthly	12	0.0025	0.003	0.003

EPA Identification Number 29
Ambient water quality monitoring
Water quality monitoring near the Vales Point and Eraring mixing zone off Fishery Point in Lake Macquarie

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly	12	0.013	0.055	0.31
Ammonia	milligrams per litre	Monthly	12	0.0025	0.0073	0.018
Arsenic(III)	milligrams per litre	Monthly	12	0.002	1.33	2.0
Arsenic (V)	milligrams per litre	Monthly	12	0.002	1.33	2.0
Cadmium	milligrams per litre	Monthly	12	0.0001	0.0001	0.0001
Chromium (III)	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Chromium (VI) compounds	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Copper	milligrams per litre	Monthly	12	0.001	0.0018	0.004
Iron	milligrams per litre	Monthly	12	0.008	0.059	0.324
Lead	milligrams per litre	Monthly	12	0.0001	0.0001	0.0001
Manganese	milligrams per litre	Monthly	12	0.0025	0.0072	0.0153
Nickel	milligrams per litre	Monthly	12	0.00025	0.0005	0.001
pH	pH	Monthly	12	8.01	8.14	8.29
Selenium	milligrams per litre	Monthly	12	0.001	0.001	0.001
Total suspended solids	milligrams per litre	Monthly	12	2.5	23.2	56.0
Vanadium	milligrams per litre	Monthly	12	0.0022	0.003	0.0041
Zinc	milligrams per litre	Monthly	12	0.0025	0.0025	0.0025

EPA Identification Number 30
Ambient water quality monitoring
Water quality monitoring east of the Lake Macquarie Yacht Club in Lake Macquarie

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly	12	0.008	0.030	0.155
Ammonia	milligrams per litre	Monthly	12	0.0025	0.006	0.019
Arsenic(III)	milligrams per litre	Monthly	12	0.002	1.33	2.00
Arsenic (V)	milligrams per litre	Monthly	12	0.002	1.33	2.00
Cadmium	milligrams per litre	Monthly	12	0.0001	0.00010	0.0001
Chromium (III)	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Chromium (VI) compounds	milligrams per litre	Monthly	12	0.0005	0.0005	0.0005
Copper	milligrams per litre	Monthly	12	0.0005	0.0008	0.003
Iron	milligrams per litre	Monthly	12	0.0025	0.029	0.143
Lead	milligrams per litre	Monthly	12	0.0001	0.0003	0.001
Manganese	milligrams per litre	Monthly	12	0.0021	0.005	0.0088
Nickel	milligrams per litre	Monthly	12	0.00025	0.0003	0.0003
pH	pH	Monthly	12	8.04	8.15	8.22
Selenium	milligrams per litre	Monthly	12	0.001	0.001	0.001
Total suspended solids	milligrams per litre	Monthly	12	2.5	22.7	60.0
Vanadium	milligrams per litre	Monthly	12	0.0015	0.002	0.0024
Zinc	milligrams per litre	Monthly	12	0.0025	0.004	0.014

EPA Identification Number 31
Ambient water quality monitoring
Water quality monitoring at the inlet canal for the cooling water in Lake Macquarie

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Monthly	12	0.016	0.09	0.181
Ammonia	milligrams per litre	Monthly	12	0.0025	0.0078	0.026
Arsenic(III)	milligrams per litre	Monthly	12	0.002	1.001	2.0
Arsenic (V)	milligrams per litre	Monthly	12	0.002	1.001	2.0
Cadmium	milligrams per litre	Monthly	12	0.0001	0.0001	0.0001
Chromium (III)	milligrams per litre	Monthly	12	0.0003	0.0005	0.0005
Chromium (VI) compounds	milligrams per litre	Monthly	12	0.005	0.005	0.005
Copper	milligrams per litre	Monthly	12	0.001	0.0016	0.003
Iron	milligrams per litre	Monthly	12	0.054	0.140	0.319
Lead	milligrams per litre	Monthly	12	0.0001	0.0001	0.0002
Manganese	milligrams per litre	Monthly	12	0.0008	0.007	0.011
Nickel	milligrams per litre	Monthly	12	0.00025	0.0004	0.0007
pH	pH	Monthly	12	7.98	8.12	8.21
Selenium	milligrams per litre	Monthly	12	0.0005	0.0007	0.001
Total suspended solids	milligrams per litre	Monthly	12	2.5	26.1	44.0
Vanadium	milligrams per litre	Monthly	12	0.0003	0.0022	0.0034
Zinc	milligrams per litre	Monthly	12	0.0003	0.0023	0.003

EPA Identification Number 32
Groundwater quality monitoring
Groundwater quality monitoring bore MW01

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Quarterly	4	0.032	0.065	0.107
Ammonia	milligrams per litre	Quarterly	4	0.01	0.20	0.74
Arsenic(III)	milligrams per litre	Quarterly	4	0.00025	0.00168	0.0048
Arsenic (V)	milligrams per litre	Quarterly	4	0.00025	0.00025	0.00025
Calcium	milligrams per litre	Quarterly	4	1.0	1.3	2.0
Cadmium	milligrams per litre	Quarterly	4	0.000025	0.000025	0.000025
Chromium (III)	milligrams per litre	Quarterly	4	0.001	0.002	0.005
Chromium (VI) Compounds	milligrams per litre	Quarterly	4	0.001	0.004	0.005
Copper	milligrams per litre	Quarterly	4	0.001	0.001	0.001
Electrical Conductivity	microsiemens per centimetre	Quarterly	4	335	369	420
Iron	milligrams per litre	Quarterly	4	0.005	0.727	2.89
Lead	milligrams per litre	Quarterly	4	0.0002	0.0003	0.0005
Magnesium	milligrams per litre	Quarterly	4	3.0	4.3	6.0
Manganese	milligrams per litre	Quarterly	4	0.078	0.146	0.306
Nickel	milligrams per litre	Quarterly	4	0.0035	0.0043	0.0056
pH	pH	Quarterly	4	4.85	5.08	5.45
Potassium	milligrams per litre	Quarterly	4	4.0	4.3	5.0
Selenium	milligrams per litre	Quarterly	4	0.0001	0.0001	0.0001
Sodium	milligrams per litre	Quarterly	4	56.0	60.8	69.0
Standing water	metres	Quarterly	4	6.69	8.30	9.30
Vanadium	milligrams per litre	Quarterly	4	0.0001	0.0002	0.0006
Zinc	milligrams per litre	Quarterly	4	0.013	0.019	0.022

EPA Identification Number 33
Groundwater quality monitoring
Groundwater quality monitoring bore MW02

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Quarterly	4	0.003	0.164	0.64
Ammonia	milligrams per litre	Quarterly	4	0.12	3.74	5.73
Arsenic(III)	milligrams per litre	Quarterly	4	0.0014	0.0019	0.0021
Arsenic (V)	milligrams per litre	Quarterly	4	0.0003	0.0009	0.002
Calcium	milligrams per litre	Quarterly	4	132.0	279.3	355.0
Cadmium	milligrams per litre	Quarterly	4	0.00003	0.00034	0.001
Chromium (III)	milligrams per litre	Quarterly	4	0.0005	0.002	0.005
Chromium (VI) compounds	milligrams per litre	Quarterly	4	0.0010	0.004	0.005
Copper	milligrams per litre	Quarterly	4	0.0003	0.001	0.0018
Electrical Conductivity	microsiemens per centimetre	Quarterly	4	5,590	16,973	25,400
Iron	milligrams per litre	Quarterly	4	1.90	10.69	18.50
Lead	milligrams per litre	Quarterly	4	0.0001	0.0006	0.0021
Magnesium	milligrams per litre	Quarterly	4	101	304	460
Manganese	milligrams per litre	Quarterly	4	0.73	1.058	1.64
Nickel	milligrams per litre	Quarterly	4	0.0003	0.0048	0.017
pH	pH	Quarterly	4	6.48	6.54	6.65
Potassium	milligrams per litre	Quarterly	4	50	120	162
Selenium	milligrams per litre	Quarterly	4	0.0002	0.0014	0.004
Sodium	milligrams per litre	Quarterly	4	1,140	3,265	4,810
Standing water	metres	Quarterly	4	3.96	4.21	4.65
Vanadium	milligrams per litre	Quarterly	4	0.0015	0.002	0.0041
Zinc	milligrams per litre	Quarterly	4	0.011	0.164	0.607

EPA Identification Number 34
Groundwater quality monitoring
Groundwater quality monitoringbore MW06

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Quarterly	4	0.006	0.012	0.021
Ammonia	milligrams per litre	Quarterly	4	3.07	3.35	3.55
Arsenic(III)	milligrams per litre	Quarterly	4	0.0042	0.005	0.0049
Arsenic (V)	milligrams per litre	Quarterly	4	0.0002	0.001	0.0011
Calcium	milligrams per litre	Quarterly	4	475	494	508
Cadmium	milligrams per litre	Quarterly	4	0.0000	0.0001	0.0001
Chromium (III)	milligrams per litre	Quarterly	4	0.0005	0.0016	0.005
Chromium (VI) compounds	milligrams per litre	Quarterly	4	0.0020	0.0043	0.005
Copper	milligrams per litre	Quarterly	4	0.0001	0.0002	0.0005
Electrical Conductivity	microsiemens per centimetre	Quarterly	4	19,800	20,350	21,300
Iron	milligrams per litre	Quarterly	4	12.80	14.20	16.00
Lead	milligrams per litre	Quarterly	4	0.0001	0.0002	0.0004
Magnesium	milligrams per litre	Quarterly	4	258	276	285
Manganese	milligrams per litre	Quarterly	4	0.362	0.429	0.468
Nickel	milligrams per litre	Quarterly	4	0.0008	0.0009	0.0012
pH	pH	Quarterly	4	6.47	6.52	6.56
Potassium	milligrams per litre	Quarterly	4	122	124	125
Selenium	milligrams per litre	Quarterly	4	0.0005	0.00088	0.001
Sodium	milligrams per litre	Quarterly	4	3,390	3,578	3,740
Standing water	metres	Quarterly	4	1.67	1.79	1.90
Vanadium	milligrams per litre	Quarterly	4	0.0008	0.0009	0.001
Zinc	milligrams per litre	Quarterly	4	0.014	0.018	0.022

EPA Identification Number 35
Groundwater quality monitoring
Groundwater quality monitoring bore D26

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre	Quarterly	1	0.39	0.39	0.39
Ammonia	milligrams per litre	Quarterly	1	0.02	0.02	0.02
Arsenic(III)	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Arsenic (V)	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Calcium	milligrams per litre	Quarterly	1	5.00	5.00	5.00
Cadmium	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Chromium (III)	milligrams per litre	Quarterly	1	0.01	0.01	0.01
Chromium (VI) compounds	milligrams per litre	Quarterly	1	0.01	0.01	0.01
Copper	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Electrcial conductivity	microsiemens per centimetre	Quarterly	1	180.00	180.00	180.00
Iron	milligrams per litre	Quarterly	1	1.07	1.07	1.07
Lead	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Magnesium	milligrams per litre	Quarterly	1	3.00	3.00	3.00
Manganese	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Nickel	milligrams per litre	Quarterly	1	0.00	0.00	0.00
pH	pH	Quarterly	1	4.99	4.99	4.99
Potassium	milligrams per litre	Quarterly	1	0.50	0.50	0.50
Selenium	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Sodium	milligrams per litre	Quarterly	1	24.00	24.00	24.00
Standing water	metres	Quarterly	1	1.50	1.50	1.50
Vanadium	milligrams per litre	Quarterly	1	0.00	0.00	0.00
Zinc	milligrams per litre	Quarterly	1	0	0	0.01

Note that bore EPA35 was dry on the first three quarters.