



Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Monthly Data Summary
AGL Macquarie - Bayswater Power Station
Environmental Protection License: EPL779

EPA Monitoring Point 3



Combined air emissions from boiler 1 via Points 7 and 8 to Point 1 marked and shown as EPL Monitors ID No. 3 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value	100th percentile concentration limits
NOx	mg/m3	Continuous when generating	99.87%	382.31	605.07	1,060.83	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.87%	846.14	1,122.32	1,328.53	1700 mg/m3

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Date of Last Sample	Latest Value	100th percentile concentration limits
Cadmium	mg/m3	Every 6 months	16/02/2024 6:17:00 AM	0.00020	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	16/02/2024 10:22:00 AM	0.01000	4 mg/m3
Fluorine	mg/m3	Every 6 months	16/02/2024 10:22:00 AM	8.90000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	16/02/2024 10:22:00 AM	12.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	16/02/2024 6:17:00 AM	0.00160	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	8/05/2024 7:30:00 AM	14.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	20/02/2024 8:18:00 AM	4.00000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	16/02/2024 6:17:00 AM	0.01500	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	16/02/2024 10:28:00 AM	0.05800	8 mg/m3

EPA Monitoring Point 4



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value	100th percentile concentration limits
NOx	mg/m3	Continuous when generating	99.81%	210.94	504.88	730.60	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.81%	690.53	1,150.66	1,303.06	1700 mg/m3

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Date of Last Sample	Latest Value	100th percentile concentration limits
Cadmium	mg/m3	Every 6 months	14/02/2024 8:05:00 AM	0.00020	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	14/02/2024 12:08:00 PM	0.01000	4 mg/m3
Fluorine	mg/m3	Every 6 months	14/02/2024 12:08:00 PM	8.90000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	14/02/2024 12:08:00 PM	13.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	14/02/2024 8:05:00 AM	0.00230	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	8/05/2024 7:40:00 AM	12.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	20/02/2024 1:20:00 PM	3.50000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	14/02/2024 8:05:00 AM	0.01000	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	14/02/2024 12:31:00 PM	0.03900	8 mg/m3

EPA Monitoring Point 5



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value	100th percentile concentration limits
NOx	mg/m3	Continuous when generating	99.87%	375.56	626.23	975.16	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.87%	910.05	1,136.25	1,334.23	1700 mg/m3

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Date of Last Sample	Latest Value	100th percentile concentration limits
Cadmium	mg/m3	Every 6 months	15/02/2024 7:45:00 AM	0.00020	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	15/02/2024 11:51:00 AM	0.00450	4 mg/m3
Fluorine	mg/m3	Every 6 months	15/02/2024 11:51:00 AM	8.30000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	15/02/2024 11:51:00 AM	14.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	15/02/2024 7:45:00 AM	0.00290	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	9/05/2024 9:15:00 AM	40.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	21/02/2024 12:28:00 PM	5.20000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	15/02/2024 7:45:00 AM	0.01500	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	15/02/2024 12:25:00 PM	0.03500	8 mg/m3

EPA Monitoring Point 6



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value	100th percentile concentration limits
NOx	mg/m3	Continuous when generating	99.86%	389.71	814.37	1,059.83	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.86%	976.18	1,203.03	1,397.36	1700 mg/m3

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Date of Last Sample	Latest Value	100th percentile concentration limits
Cadmium	mg/m3	Every 6 months	23/02/2024 7:50:00 AM	0.00015	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	22/02/2024 11:26:00 AM	0.01000	4 mg/m3
Fluorine	mg/m3	Every 6 months	22/02/2024 11:26:00 AM	10.00000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	22/02/2024 11:26:00 AM	15.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	23/02/2024 7:50:00 AM	0.00030	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	10/05/2024 11:40:00 AM	13.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	21/02/2024 7:20:00 AM	3.20000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	23/02/2024 7:50:00 AM	0.05000	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	22/02/2024 12:22:00 PM	0.49000	8 mg/m3

EPA Monitoring Point 7



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.87%	367.06	599.31	1,092.38
SO2	mg/m3	Continuous when generating	99.87%	858.80	1,113.24	1,336.43

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	3	16/02/2024 6:17:00 AM	0.00025
Chlorine	mg/m3	Every 6 months	3	16/02/2024 10:22:00 AM	0.01000
CO2	%	Every 6 months	13	11/05/2024 8:40:00 AM	10.20000
Fluorine	mg/m3	Every 6 months	3	16/02/2024 10:22:00 AM	8.90000
Hydrogen Chloride	mg/m3	Every 6 months	3	16/02/2024 10:22:00 AM	12.00000
Mercury	mg/m3	Every 6 months	3	16/02/2024 6:17:00 AM	0.00170
Solid Particles	mg/m3	Quarterly	6	8/05/2024 7:30:00 AM	6.60000
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	3	20/02/2024 8:18:00 AM	4.00000
Type 1&2 Substances	mg/m3	Every 6 months	3	16/02/2024 6:17:00 AM	0.01550
Volatile Organic Compounds	mg/m3	Every 6 months	3	16/02/2024 10:28:00 AM	0.05800

EPA Monitoring Point 8



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.87%	378.55	610.37	1,031.23
SO2	mg/m3	Continuous when generating	99.87%	832.43	1,131.76	1,320.54

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	3	16/02/2024 6:35:00 AM	0.00015
CO2	%	Every 6 months	7	11/05/2024 8:40:00 AM	11.00000
Mercury	mg/m3	Every 6 months	3	16/02/2024 6:35:00 AM	0.00150
Solid Particles	mg/m3	Quarterly	6	8/05/2024 7:40:00 AM	21.00000
Type 1&2 Substances	mg/m3	Every 6 months	3	16/02/2024 6:35:00 AM	0.00950

EPA Monitoring Point 9



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.81%	181.27	510.86	753.39
SO2	mg/m3	Continuous when generating	99.81%	333.88	1,043.46	1,226.74

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Year Count Samples	Year Date of Sample	Year last measurement
Cadmium	mg/m3	Every 6 months	3	14/02/2024 8:05:00 AM	0.00025
CO2	%	Every 6 months	7	8/05/2024 12:02:00 PM	9.40000
Mercury	mg/m3	Every 6 months	3	14/02/2024 8:05:00 AM	0.00250
Solid Particles	mg/m3	Quarterly	6	8/05/2024 11:50:00 AM	9.50000
Type 1&2 Substances	mg/m3	Every 6 months	3	14/02/2024 8:05:00 AM	0.01150

EPA Monitoring Point 10



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.81%	220.75	499.12	734.38
SO2	mg/m3	Continuous when generating	99.81%	1,019.26	1,257.17	1,410.17

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Antimony	mg/m3	Every 6 months	3	14/02/2024 7:44:00 AM	0.00100
Cadmium	mg/m3	Every 6 months	3	14/02/2024 7:44:00 AM	0.00033
Chlorine	mg/m3	Every 6 months	3	14/02/2024 12:08:00 PM	0.01000
CO2	%	Every 6 months	13	8/05/2024 11:58:00 AM	11.20000
Fluorine	mg/m3	Every 6 months	3	14/02/2024 12:08:00 PM	8.90000
Hydrogen Chloride	mg/m3	Every 6 months	3	14/02/2024 12:08:00 PM	13.00000
Mercury	mg/m3	Every 6 months	3	14/02/2024 7:44:00 AM	0.00210
Solid Particles	mg/m3	Quarterly	6	8/05/2024 11:50:00 AM	14.00000
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	3	20/02/2024 1:20:00 PM	3.50000
Type 1&2 Substances	mg/m3	Every 6 months	3	14/02/2024 7:44:00 AM	0.00950
Volatile Organic Compounds	mg/m3	Every 6 months	3	14/02/2024 12:31:00 PM	0.03900

EPA Monitoring Point 11



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.87%	371.81	617.74	963.34
SO2	mg/m3	Continuous when generating	99.87%	904.89	1,118.43	1,321.53

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	3	15/02/2024 7:45:00 AM	0.00020
Chlorine	mg/m3	Every 6 months	3	15/02/2024 11:51:00 AM	0.00450
CO2	%	Every 6 months	13	9/05/2024 9:15:00 AM	10.20000
Fluorine	mg/m3	Every 6 months	3	15/02/2024 11:51:00 AM	8.30000
Hydrogen Chloride	mg/m3	Every 6 months	3	15/02/2024 11:51:00 AM	14.00000
Mercury	mg/m3	Every 6 months	3	15/02/2024 7:45:00 AM	0.00210
Solid Particles	mg/m3	Quarterly	6	9/05/2024 9:15:00 AM	32.00000
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	3	21/02/2024 12:28:00 PM	5.20000
Type 1&2 Substances	mg/m3	Every 6 months	3	15/02/2024 7:45:00 AM	0.01100
Volatile Organic Compounds	mg/m3	Every 6 months	3	15/02/2024 12:25:00 PM	0.03500

EPA Monitoring Point 12



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.87%	377.58	634.69	983.72
SO2	mg/m3	Continuous when generating	99.87%	911.85	1,154.89	1,358.26

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	3	15/02/2024 7:50:00 AM	0.00036
CO2	%	Every 6 months	7	9/05/2024 9:15:00 AM	8.70000
Mercury	mg/m3	Every 6 months	3	15/02/2024 7:50:00 AM	0.00360
Solid Particles	mg/m3	Quarterly	6	9/05/2024 9:15:00 AM	47.00000
Type 1&2 Substances	mg/m3	Every 6 months	3	15/02/2024 7:50:00 AM	0.01600

EPA Monitoring Point 13



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.86%	377.74	847.32	1,126.50
SO2	mg/m3	Continuous when generating	99.86%	987.33	1,213.27	1,415.31

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	3	23/02/2024 7:50:00 AM	0.00020
CO2	%	Every 6 months	8	10/05/2024 11:58:00 AM	10.10000
Mercury	mg/m3	Every 6 months	3	23/02/2024 7:50:00 AM	0.00086
Solid Particles	mg/m3	Quarterly	6	10/05/2024 11:40:00 AM	8.60000
Type 1&2 Substances	mg/m3	Every 6 months	3	23/02/2024 7:50:00 AM	0.06500

EPA Monitoring Point 14



Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.73%	415.21	779.69	1,067.51
SO2	mg/m3	Continuous when generating	99.73%	794.75	1,191.60	1,396.58

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest measurement
Cadmium	mg/m3	Every 6 months	3	22/02/2024 7:20:00 AM	0.00015
Chlorine	mg/m3	Every 6 months	3	22/02/2024 11:26:00 AM	0.01000
CO2	%	Every 6 months	13	10/05/2024 11:45:00 AM	10.70000
Fine Particulates PM10	mg/m3	Every 6 months	1	12/10/2023 11:36:00 AM	1.30000
Fluorine	mg/m3	Every 6 months	3	22/02/2024 11:26:00 AM	10.00000
Hydrogen Chloride	mg/m3	Every 6 months	3	22/02/2024 11:26:00 AM	15.00000
Mercury	mg/m3	Every 6 months	3	22/02/2024 7:20:00 AM	0.00025
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	3	21/02/2024 7:20:00 AM	3.20000
Type 1&2 Substances	mg/m3	Every 6 months	3	22/02/2024 7:20:00 AM	0.06500
Volatile Organic Compounds	mg/m3	Every 6 months	3	22/02/2024 12:22:00 PM	0.49000



EPA Monitoring Point 19

Start Of Month	End Date
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

Discharge from cooling towers to Tinkers Creek marked and shown as EPL Monitors ID No. 19 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Month Count Measure	Lowest Value	Mean Value	Highest Value	100th percentile concentration limits
Conductivity	uS/cm	Continuous during discharge	0.00%	8908	2.00000	3213.55868	3848.00000	4500 uS/cm
Oil and Grease	mg/L	Fortnightly	0.00%	2	1.00000	1.50000	2.00000	10 mg/L
pH	pH units	Continuous during discharge	0.00%	8908	7.80000	8.17827	10.02000	9 pH units
Pollutant	Unit of measure	Sampling Frequency	Month Count Measure	Month Sum Measure			100th percentile concentration limits	
Volume	ML/d	Daily	27	76.00			840 ML/d	

EPA Monitoring Point 20

Discharge from main station oil and water separator holding basin to Tinkers Creek marked and shown as EPL Monitors ID No. 20 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Samples collected	Lowest Value	Mean Value	Highest Value	100th percentile concentration limits
Oil and Grease	mg/L	Fortnightly	5	1.00000	3.60000	11.00000	10 mg/L
Suspended Solids	mg/L	Fortnightly	5	2.50000	5.80000	12.00000	30 mg/L
Volume	kL/d	Daily	5	0.00000	3067.90323	22989.00000	36400 kL/d

EPA Monitoring Point 21



Discharge from Bayswater Ash Dam unlined flood spillway (located near left abutment) to Chilcotts Creek marked and shown as EPL Monitors ID No. 21 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Samples collected	Lowest Value	Mean Value	Highest Value
Boron	mg/L	Weekly during discharge	5	1.89000	2.19600	2.42000
Cadmium	mg/L	Weekly during discharge	5	0.00005	0.00005	0.00005
Conductivity	uS/cm	Continuous during discharge	5	2390.00000	2516.00000	2680.00000
Copper	mg/L	Weekly during discharge	5	0.00050	0.00060	0.00100
Iron	mg/L	Weekly during discharge	5	0.08000	0.11400	0.20000
Molybdenum	mg/L	Weekly during discharge	5	0.22800	0.26700	0.36300
Nickel	mg/L	Weekly during discharge	5	0.00400	0.00520	0.00700
pH	pH units	Weekly during discharge	5	8.43000	8.56000	8.71000
Silver	mg/L	Weekly during discharge	5	0.00050	0.00050	0.00050
Volume	kL/d	Daily	5	0.00000	7937.65159	125280.00000

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

EPA Monitoring Point 22



Discharge of recirculated water from the Hunter River to Lake Liddell marked and shown as EPL Monitors ID No. 22 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Samples collected	Lowest Value	Mean Value	Highest Value	100th percentile concentration limits
Volume	ML/d	Daily	31	6.00000	48.33244	105.84457	

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

EPA Monitoring Point 23

Discharge of saline water under the Hunter River Salinity Trading Scheme, Discharge water quality monitoring, Volume monitoring. Discharge of saline wates from discharge pipe from the Lake Liddell dam wall marked and shown as EPL Monitors ID No. 23 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Samples Performance	Lowest Value	Mean Value	Highest Value	100th percentile concentration limits
Conductivity	uS/cm	Continuous during discharge					
pH	pH units	Daily during discharge					8.5 pH units
Suspended Solids	mg/L	Daily during discharge					30 mg/L

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Value	Highest Value	100th percentile concentration limits
Volume	ML/d	Daily					700 ML/d

EPA Monitoring Point 24



Discharge of saline waters from inlet pipe located at the Void 4 pontoon pump system marked and shown as EPL Monitors ID No. 24 on The Plans

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits
Boron	mg/L	Weekly during discharge					0.81 mg/L
Cadmium	mg/L	Weekly during discharge					0.2 mg/L
Conductivity	uS/cm	Continuous during discharge					
Copper	mg/L	Weekly during discharge					0.001 mg/L
Iron	mg/L	Weekly during discharge					0.27 mg/L
Molybdenum	mg/L	Weekly during discharge					0.29 mg/L
Nickel	mg/L	Weekly during discharge					0.019 mg/L
pH	pH units	Weekly during discharge					9.5 pH units
Silver	mg/L	Weekly during discharge					0.0005 mg/L
Suspended Solids	mg/L	Monthly during discharge					30 mg/L
Volume	ML/d	Daily		0.00000	0.00000	0.00000	20 ML/d

Start Of Month	EndDate
01-Jul-24 12:00:00 AM	01-Aug-24 12:00:00 AM

EPA Monitoring Point 27

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	6.49000	7.17111	8.60000	
Ammonia	mg/m3	Every 6 months	9	0.56000	0.60111	0.67000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00036	0.00100	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00033	0.00080	
Barium	mg/m3	Every 6 months	9	0.00700	0.01189	0.03900	
Beryllium	mg/m3	Every 6 months	9	0.00400	0.00422	0.00500	
Boron	mg/m3	Every 6 months	9	2.96000	3.37333	4.10000	
Cadmium	mg/m3	Every 6 months	9	0.00030	0.00041	0.00060	
Calcium	mg/m3	Every 6 months	9	568.00000	592.22222	622.00000	
Chloride	mg/m3	Every 6 months	9	674.00000	714.00000	751.00000	
Chromium III	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.07900	0.08567	0.10000	
Copper	mg/m3	Every 6 months	9	0.00100	0.00356	0.01000	
Electrical Conductivity	mg/m3	Every 6 months	10	4660.00000	4843.00000	4950.00000	
Iron	mg/m3	Every 6 months	9	0.26000	0.58111	2.74000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00067	0.00200	
Lithium	mg/m3	Every 6 months	7	0.44400	0.49771	0.62600	
Magnesium	mg/m3	Every 6 months	9	33.00000	35.55556	41.00000	
Manganese	mg/m3	Every 6 months	9	0.65400	0.71256	0.78000	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00050	0.00078	0.00200	
Nickel	mg/m3	Every 6 months	9	0.15000	0.16511	0.18800	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.01000	0.04000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.01000	0.04000	
pH	mg/m3	Every 6 months	10	3.90000	4.04000	4.10000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.00571	0.01000	
Phosphorus Total	mg/m3	Every 6 months	6	0.00500	0.01667	0.03000	
Potassium	mg/m3	Every 6 months	9	21.00000	22.88889	25.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00889	0.03000	
Silver	mg/m3	Every 6 months	7	0.00050	0.00071	0.00200	
Sodium	mg/m3	Every 6 months	9	472.00000	499.66667	535.00000	
Strontium dissolved	mg/m3	Every 6 months	4	0.32600	0.33925	0.35700	
Sulfate	mg/m3	Every 6 months	9	1740.00000	1880.00000	2000.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.01000	0.04000	
Total Alkalinity	mg/m3	Every 6 months	9	0.50000	0.50000	0.50000	
Total Dissolved Solids	mg/m3	Every 6 months	9	3590.00000	3882.22222	4120.00000	
Total Hardness	mg/m3	Every 6 months	9	1560.00000	1624.44444	1700.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.60000	0.78889	1.20000	
Total Nitrogen	mg/m3	Every 6 months	9	0.60000	0.78889	1.20000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	9	0.24800	0.27044	0.30200	

EPA Monitoring Point 28

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	0.00500	0.17389	1.12000	
Ammonia	mg/m3	Every 6 months	9	0.09000	0.14667	0.24000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00035	0.00070	
Barium	mg/m3	Every 6 months	9	0.02100	0.02456	0.03300	
Beryllium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	9	2.72000	3.19667	4.03000	
Cadmium	mg/m3	Every 6 months	9	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	9	322.00000	354.33333	382.00000	
Chloride	mg/m3	Every 6 months	9	446.00000	481.00000	516.00000	
Chromium III	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.00050	0.00056	0.00100	
Copper	mg/m3	Every 6 months	9	0.00050	0.00056	0.00100	
Electrical Conductivity	mg/m3	Every 6 months	10	4550.00000	4986.00000	5270.00000	
Iron	mg/m3	Every 6 months	9	0.02500	0.19611	1.20000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00067	0.00200	
Lithium	mg/m3	Every 6 months	7	0.08700	0.10329	0.11400	
Magnesium	mg/m3	Every 6 months	9	130.00000	146.44444	156.00000	
Manganese	mg/m3	Every 6 months	9	0.13700	0.16411	0.19900	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00050	0.00078	0.00200	
Nickel	mg/m3	Every 6 months	9	0.00400	0.00544	0.00700	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.01167	0.03000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.01167	0.03000	
pH	mg/m3	Every 6 months	10	6.70000	6.83000	7.10000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.01286	0.02000	
Phosphorus Total	mg/m3	Every 6 months	6	0.01000	0.03167	0.05000	
Potassium	mg/m3	Every 6 months	9	4.00000	4.88889	8.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	9	610.00000	682.55556	729.00000	
Strontium dissolved	mg/m3	Every 6 months	4	1.92000	2.07750	2.37000	
Sulfate	mg/m3	Every 6 months	9	1850.00000	1968.88889	2090.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.00857	0.03000	
Total Alkalinity	mg/m3	Every 6 months	9	410.00000	440.11111	463.00000	
Total Dissolved Solids	mg/m3	Every 6 months	9	3530.00000	3993.33333	4500.00000	
Total Hardness	mg/m3	Every 6 months	9	1400.00000	1487.77778	1570.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.20000	0.34444	0.50000	
Total Nitrogen	mg/m3	Every 6 months	9	0.20000	0.34444	0.50000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	9	0.00250	0.00289	0.00600	

EPA Monitoring Point 29

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	0.06000	0.98667	3.62000	
Ammonia	mg/m3	Every 6 months	9	0.09000	0.27889	0.42000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00261	0.01150	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00194	0.00370	
Barium	mg/m3	Every 6 months	9	0.01300	0.02344	0.05300	
Beryllium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	9	0.16000	0.44444	0.90000	
Cadmium	mg/m3	Every 6 months	9	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	9	352.00000	413.77778	538.00000	
Chloride	mg/m3	Every 6 months	9	1400.00000	1601.11111	1860.00000	
Chromium III	mg/m3	Every 6 months	5	0.00500	0.00800	0.02000	
Chromium VI	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.13300	0.39167	0.79200	
Copper	mg/m3	Every 6 months	9	0.00050	0.00128	0.00300	
Electrical Conductivity	mg/m3	Every 6 months	9	9720.00000	10253.33333	10910.00000	
Iron	mg/m3	Every 6 months	9	3.79000	18.66444	44.80000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00111	0.00300	
Lithium	mg/m3	Every 6 months	7	0.09500	0.14271	0.25100	
Magnesium	mg/m3	Every 6 months	9	246.00000	276.77778	323.00000	
Manganese	mg/m3	Every 6 months	9	1.92000	2.81778	4.63000	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00050	0.00072	0.00200	
Nickel	mg/m3	Every 6 months	9	0.09200	0.19500	0.36700	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.00833	0.02000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.00833	0.02000	
pH	mg/m3	Every 6 months	9	5.70000	6.07778	6.60000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Phosphorus Total	mg/m3	Every 6 months	6	0.01000	0.03333	0.05000	
Potassium	mg/m3	Every 6 months	9	4.00000	7.33333	14.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	9	1660.00000	1843.33333	2110.00000	
Strontium dissolved	mg/m3	Every 6 months	3	2.72000	2.84000	3.06000	
Sulfate	mg/m3	Every 6 months	9	3380.00000	3521.11111	3670.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.01357	0.05000	
Total Alkalinity	mg/m3	Every 6 months	9	90.00000	156.66667	250.00000	
Total Dissolved Solids	mg/m3	Every 6 months	9	7640.00000	8323.33333	9180.00000	
Total Hardness	mg/m3	Every 6 months	9	1930.00000	2172.22222	2480.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.40000	0.54444	0.80000	
Total Nitrogen	mg/m3	Every 6 months	9	0.40000	0.54444	0.80000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	9	0.01600	0.10000	0.19100	

EPA Monitoring Point 30

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	0.00500	0.01500	0.04000	
Ammonia	mg/m3	Every 6 months	9	0.04000	0.07778	0.20000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00029	0.00050	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00038	0.00080	
Barium	mg/m3	Every 6 months	9	0.01000	0.01267	0.01400	
Beryllium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	9	1.95000	2.36222	2.66000	
Cadmium	mg/m3	Every 6 months	9	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	9	353.00000	375.44444	396.00000	
Chloride	mg/m3	Every 6 months	9	986.00000	1075.11111	1180.00000	
Chromium III	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Copper	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Electrical Conductivity	mg/m3	Every 6 months	10	7.00000	6865.70000	8020.00000	
Iron	mg/m3	Every 6 months	9	0.14000	0.22778	0.40000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	7	0.19400	0.23386	0.26900	
Magnesium	mg/m3	Every 6 months	9	253.00000	291.55556	322.00000	
Manganese	mg/m3	Every 6 months	9	0.11400	0.15622	0.17500	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00300	0.00300	0.00300	
Nickel	mg/m3	Every 6 months	9	0.01200	0.01267	0.01400	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.00833	0.02000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.00833	0.02000	
pH	mg/m3	Every 6 months	10	7.00000	7.12000	7.20000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.00643	0.01000	
Phosphorus Total	mg/m3	Every 6 months	6	0.02000	0.04167	0.06000	
Potassium	mg/m3	Every 6 months	9	11.00000	11.88889	13.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	9	956.00000	1105.44444	1220.00000	
Strontium dissolved	mg/m3	Every 6 months	4	2.79000	2.91500	3.05000	
Sulfate	mg/m3	Every 6 months	9	2700.00000	2844.44444	3110.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	9	351.00000	373.00000	396.00000	
Total Dissolved Solids	mg/m3	Every 6 months	9	5930.00000	6453.33333	7390.00000	
Total Hardness	mg/m3	Every 6 months	9	2020.00000	2137.77778	2280.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.05000	0.16111	0.30000	
Total Nitrogen	mg/m3	Every 6 months	9	0.05000	0.16111	0.30000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	9	0.00250	0.00311	0.00800	

EPA Monitoring Point 31

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	5	0.00500	0.06100	0.24000	
Ammonia	mg/m3	Every 6 months	5	0.14000	0.22200	0.33000	
Antimony	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	4	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	4	0.00025	0.00034	0.00060	
Barium	mg/m3	Every 6 months	5	0.00500	0.00660	0.00800	
Beryllium	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	5	4.52000	4.98800	5.66000	
Cadmium	mg/m3	Every 6 months	5	0.00010	0.00020	0.00030	
Calcium	mg/m3	Every 6 months	5	501.00000	519.80000	540.00000	
Chloride	mg/m3	Every 6 months	5	474.00000	510.00000	599.00000	
Chromium III	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Copper	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Electrical Conductivity	mg/m3	Every 6 months	5	4780.00000	4974.00000	5090.00000	
Iron	mg/m3	Every 6 months	5	0.02500	0.17300	0.49000	
Lead	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	4	0.28000	0.32700	0.42800	
Magnesium	mg/m3	Every 6 months	5	105.00000	118.20000	127.00000	
Manganese	mg/m3	Every 6 months	5	0.14800	0.19320	0.21000	
Mercury	mg/m3	Every 6 months	5	0.00005	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	5	0.00100	0.00140	0.00200	
Nickel	mg/m3	Every 6 months	5	0.00900	0.01160	0.01500	
Nitrate	mg/m3	Every 6 months	5	0.00500	0.00900	0.02000	
Nitrite	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	5	0.00500	0.00900	0.02000	
pH	mg/m3	Every 6 months	5	6.60000	6.68000	6.70000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Phosphorus Total	mg/m3	Every 6 months	4	0.01000	0.03000	0.05000	
Potassium	mg/m3	Every 6 months	5	17.00000	17.00000	17.00000	
Selenium	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	5	483.00000	556.60000	586.00000	
Strontium dissolved	mg/m3	Every 6 months	3	2.17000	2.25000	2.32000	
Sulfate	mg/m3	Every 6 months	5	2240.00000	2362.00000	2600.00000	
Thalium	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	5	101.00000	115.80000	133.00000	
Total Dissolved Solids	mg/m3	Every 6 months	5	4100.00000	4242.00000	4360.00000	
Total Hardness	mg/m3	Every 6 months	5	1730.00000	1782.00000	1860.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	5	0.30000	0.34000	0.40000	
Total Nitrogen	mg/m3	Every 6 months	5	0.30000	0.34000	0.40000	
Vanadium	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	5	0.00250	0.00250	0.00250	

EPA Monitoring Point 32

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	0.00500	0.02167	0.10000	
Ammonia	mg/m3	Every 6 months	9	0.04000	0.32333	1.40000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00030	0.00060	
Barium	mg/m3	Every 6 months	9	0.01000	0.01078	0.01200	
Beryllium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	9	0.37000	0.47111	0.66000	
Cadmium	mg/m3	Every 6 months	9	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	9	215.00000	288.22222	330.00000	
Chloride	mg/m3	Every 6 months	9	751.00000	855.33333	984.00000	
Chromium III	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.00050	0.00100	0.00200	
Copper	mg/m3	Every 6 months	9	0.00050	0.00067	0.00200	
Electrical Conductivity	mg/m3	Every 6 months	10	8900.00000	9985.00000	10480.00000	
Iron	mg/m3	Every 6 months	9	0.02500	0.22778	0.58000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	7	0.10500	0.12371	0.16200	
Magnesium	mg/m3	Every 6 months	9	374.00000	450.11111	512.00000	
Manganese	mg/m3	Every 6 months	9	0.06800	0.14600	0.28800	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00200	0.00211	0.00300	
Nickel	mg/m3	Every 6 months	9	0.00300	0.00489	0.00800	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.01000	0.05000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.01000	0.05000	
pH	mg/m3	Every 6 months	10	7.20000	7.25700	7.30000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.01000	0.02000	
Phosphorus Total	mg/m3	Every 6 months	6	0.02000	0.02833	0.04000	
Potassium	mg/m3	Every 6 months	9	6.00000	9.66667	15.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	9	1420.00000	1716.66667	2040.00000	
Strontium dissolved	mg/m3	Every 6 months	4	5.20000	5.69750	6.61000	
Sulfate	mg/m3	Every 6 months	9	4240.00000	4626.66667	4990.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	9	434.00000	478.33333	516.00000	
Total Dissolved Solids	mg/m3	Every 6 months	9	8680.00000	9016.66667	9640.00000	
Total Hardness	mg/m3	Every 6 months	9	2080.00000	2572.22222	2930.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.05000	0.43333	1.80000	
Total Nitrogen	mg/m3	Every 6 months	9	0.05000	0.43333	1.80000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	9	0.00250	0.00289	0.00600	

EPA Monitoring Point 33

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	0.00500	0.99556	7.37000	
Ammonia	mg/m3	Every 6 months	9	0.00500	0.08500	0.26000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00033	0.00080	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00025	0.00025	
Barium	mg/m3	Every 6 months	9	0.02000	0.03300	0.08800	
Beryllium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	9	0.02500	0.22833	0.38000	
Cadmium	mg/m3	Every 6 months	9	0.00005	0.00008	0.00020	
Calcium	mg/m3	Every 6 months	9	161.00000	180.00000	194.00000	
Chloride	mg/m3	Every 6 months	9	2860.00000	3044.44444	3270.00000	
Chromium III	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.00050	0.00106	0.00400	
Copper	mg/m3	Every 6 months	9	0.00050	0.00256	0.01200	
Electrical Conductivity	mg/m3	Every 6 months	10	11.00000	10026.10000	11980.00000	
Iron	mg/m3	Every 6 months	9	0.02500	1.31167	9.27000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00561	0.03400	
Lithium	mg/m3	Every 6 months	7	0.25800	0.30300	0.39600	
Magnesium	mg/m3	Every 6 months	9	236.00000	267.44444	310.00000	
Manganese	mg/m3	Every 6 months	9	0.00200	0.06833	0.16400	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00200	0.00289	0.00300	
Nickel	mg/m3	Every 6 months	9	0.00400	0.00567	0.01300	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.20278	0.44000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.20278	0.44000	
pH	mg/m3	Every 6 months	10	6.80000	6.97000	7.20000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.01000	0.04000	
Phosphorus Total	mg/m3	Every 6 months	6	0.00500	0.07083	0.17000	
Potassium	mg/m3	Every 6 months	9	20.00000	22.44444	25.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	9	1830.00000	2014.44444	2150.00000	
Strontium dissolved	mg/m3	Every 6 months	4	2.91000	3.16750	3.46000	
Sulfate	mg/m3	Every 6 months	9	687.00000	881.88889	986.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.02214	0.11000	
Total Alkalinity	mg/m3	Every 6 months	9	800.00000	852.55556	895.00000	
Total Dissolved Solids	mg/m3	Every 6 months	9	6800.00000	7163.33333	7860.00000	
Total Hardness	mg/m3	Every 6 months	9	1380.00000	1548.88889	1760.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.05000	0.33889	1.10000	
Total Nitrogen	mg/m3	Every 6 months	9	0.20000	0.51111	1.50000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00667	0.02000	
Zinc	mg/m3	Every 6 months	9	0.00250	0.01000	0.03600	

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Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months					
Ammonia	mg/m3	Every 6 months					
Antimony	mg/m3	Every 6 months					
Arsenic III	mg/m3	Every 6 months					
Arsenic V	mg/m3	Every 6 months					
Barium	mg/m3	Every 6 months					
Beryllium	mg/m3	Every 6 months					
Boron	mg/m3	Every 6 months					
Cadmium	mg/m3	Every 6 months					
Calcium	mg/m3	Every 6 months					
Chloride	mg/m3	Every 6 months					
Chromium III	mg/m3	Every 6 months					
Chromium VI	mg/m3	Every 6 months					
Cobalt	mg/m3	Every 6 months					
Copper	mg/m3	Every 6 months					
Electrical Conductivity	mg/m3	Every 6 months					
Iron	mg/m3	Every 6 months					
Lead	mg/m3	Every 6 months					
Lithium	mg/m3	Every 6 months					
Magnesium	mg/m3	Every 6 months					
Manganese	mg/m3	Every 6 months					
Mercury	mg/m3	Every 6 months					
Molybdenum	mg/m3	Every 6 months					
Nickel	mg/m3	Every 6 months					
Nitrate	mg/m3	Every 6 months					
Nitrite	mg/m3	Every 6 months					
Nitrite - Nitrate	mg/m3	Every 6 months					
pH	mg/m3	Every 6 months					
Phosphorus Dissolved Reactive	mg/m3	Every 6 months					
Phosphorus Total	mg/m3	Every 6 months					
Potassium	mg/m3	Every 6 months					
Selenium	mg/m3	Every 6 months					
Silver	mg/m3	Every 6 months					
Sodium	mg/m3	Every 6 months					
Strontium dissolved	mg/m3	Every 6 months					
Sulfate	mg/m3	Every 6 months					
Thalium	mg/m3	Every 6 months					
Titanium	mg/m3	Every 6 months					
Total Alkalinity	mg/m3	Every 6 months					
Total Dissolved Solids	mg/m3	Every 6 months					
Total Hardness	mg/m3	Every 6 months					
Total Kjeldahl Nitrogen	mg/m3	Every 6 months					
Total Nitrogen	mg/m3	Every 6 months					
Vanadium	mg/m3	Every 6 months					
Zinc	mg/m3	Every 6 months					

EPA Monitoring Point 35

Ash Dam South 3

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	9	0.00500	2.20611	11.10000	
Ammonia	mg/m3	Every 6 months	9	0.00500	0.05500	0.13000	
Antimony	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	7	0.00025	0.00033	0.00080	
Arsenic V	mg/m3	Every 6 months	7	0.00025	0.00091	0.00490	
Barium	mg/m3	Every 6 months	9	0.00900	0.03656	0.14900	
Beryllium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	9	1.84000	2.10222	2.50000	
Cadmium	mg/m3	Every 6 months	9	0.00005	0.00016	0.00060	
Calcium	mg/m3	Every 6 months	9	437.00000	509.00000	538.00000	
Chloride	mg/m3	Every 6 months	9	702.00000	797.00000	912.00000	
Chromium III	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	9	0.00400	0.00733	0.01800	
Copper	mg/m3	Every 6 months	9	0.00050	0.00522	0.02600	
Electrical Conductivity	mg/m3	Every 6 months	6	6220.00000	6806.66667	7060.00000	
Iron	mg/m3	Every 6 months	9	0.14000	3.72667	17.40000	
Lead	mg/m3	Every 6 months	9	0.00050	0.00378	0.01500	
Lithium	mg/m3	Every 6 months	7	0.23200	0.26529	0.31100	
Magnesium	mg/m3	Every 6 months	9	326.00000	342.88889	362.00000	
Manganese	mg/m3	Every 6 months	9	0.21000	0.36833	0.72100	
Mercury	mg/m3	Every 6 months	9	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	9	0.00050	0.00161	0.00300	
Nickel	mg/m3	Every 6 months	9	0.00900	0.01300	0.02100	
Nitrate	mg/m3	Every 6 months	9	0.00500	0.24056	1.85000	
Nitrite	mg/m3	Every 6 months	9	0.00500	0.00556	0.01000	
Nitrite - Nitrate	mg/m3	Every 6 months	9	0.00500	0.24167	1.85000	
pH	mg/m3	Every 6 months	10	6.40000	6.47000	6.60000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	7	0.00500	0.02643	0.05000	
Phosphorus Total	mg/m3	Every 6 months	6	0.05000	0.14500	0.36000	
Potassium	mg/m3	Every 6 months	9	11.00000	13.66667	15.00000	
Selenium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	9	763.00000	798.22222	852.00000	
Strontium dissolved	mg/m3	Every 6 months	4	3.35000	3.46500	3.69000	
Sulfate	mg/m3	Every 6 months	9	2970.00000	3184.44444	3370.00000	
Thalium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	7	0.00500	0.02643	0.10000	
Total Alkalinity	mg/m3	Every 6 months	9	178.00000	200.44444	227.00000	
Total Dissolved Solids	mg/m3	Every 6 months	9	4670.00000	6074.44444	7050.00000	
Total Hardness	mg/m3	Every 6 months	9	2430.00000	2680.00000	2800.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	9	0.05000	0.29444	0.60000	
Total Nitrogen	mg/m3	Every 6 months	9	0.05000	0.52778	2.20000	
Vanadium	mg/m3	Every 6 months	9	0.00500	0.00944	0.03000	
Zinc	mg/m3	Every 6 months	9	0.00250	0.01539	0.04400	

EPA Monitoring Point 36

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	6	0.05000	0.20833	0.42000	
Ammonia	mg/m3	Every 6 months	6	5.68000	6.93833	7.90000	
Antimony	mg/m3	Every 6 months	4	0.00050	0.00888	0.02500	
Arsenic III	mg/m3	Every 6 months	4	0.00025	0.00119	0.00200	
Arsenic V	mg/m3	Every 6 months	4	0.00025	0.00113	0.00200	
Barium	mg/m3	Every 6 months	6	0.04000	0.05900	0.10100	
Beryllium	mg/m3	Every 6 months	6	0.00050	0.00425	0.00500	
Boron	mg/m3	Every 6 months	6	0.14000	0.47500	1.16000	
Cadmium	mg/m3	Every 6 months	6	0.00005	0.00043	0.00050	
Calcium	mg/m3	Every 6 months	6	46.00000	58.16667	76.00000	
Chloride	mg/m3	Every 6 months	6	5270.00000	6931.66667	7920.00000	
Chromium III	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	6	0.00050	0.00425	0.00500	
Copper	mg/m3	Every 6 months	6	0.00100	0.00433	0.00500	
Electrical Conductivity	mg/m3	Every 6 months	8	26.00000	22853.25000	27800.00000	
Iron	mg/m3	Every 6 months	6	0.05000	0.72833	1.26000	
Lead	mg/m3	Every 6 months	6	0.00200	0.00450	0.00500	
Lithium	mg/m3	Every 6 months	4	1.31000	1.83750	2.11000	
Magnesium	mg/m3	Every 6 months	6	40.00000	56.83333	94.00000	
Manganese	mg/m3	Every 6 months	6	0.02700	0.06683	0.10700	
Mercury	mg/m3	Every 6 months	6	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	6	0.00050	0.00692	0.02100	
Nickel	mg/m3	Every 6 months	6	0.00500	0.00533	0.00700	
Nitrate	mg/m3	Every 6 months	6	0.00500	0.02083	0.04000	
Nitrite	mg/m3	Every 6 months	6	0.00500	0.03667	0.15000	
Nitrite - Nitrate	mg/m3	Every 6 months	6	0.00500	0.05583	0.18000	
pH	mg/m3	Every 6 months	8	7.00000	7.55000	7.70000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	4	0.02000	0.04750	0.07000	
Phosphorus Total	mg/m3	Every 6 months	3	0.10000	0.16333	0.20000	
Potassium	mg/m3	Every 6 months	6	20.00000	25.16667	35.00000	
Selenium	mg/m3	Every 6 months	6	0.00500	0.04250	0.05000	
Silver	mg/m3	Every 6 months	4	0.00050	0.00388	0.00500	
Sodium	mg/m3	Every 6 months	6	6160.00000	6660.00000	7180.00000	
Strontium dissolved	mg/m3	Every 6 months	2	5.82000	5.90500	5.99000	
Sulfate	mg/m3	Every 6 months	6	2640.00000	3318.33333	3640.00000	
Thalium	mg/m3	Every 6 months	4	0.00050	0.00388	0.00500	
Titanium	mg/m3	Every 6 months	4	0.00500	0.03875	0.05000	
Total Alkalinity	mg/m3	Every 6 months	6	1170.00000	1350.00000	1450.00000	
Total Dissolved Solids	mg/m3	Every 6 months	6	14200.00000	17883.33333	20900.00000	
Total Hardness	mg/m3	Every 6 months	6	290.00000	379.16667	577.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	6	5.60000	7.93333	10.70000	
Total Nitrogen	mg/m3	Every 6 months	6	5.70000	8.00000	10.70000	
Vanadium	mg/m3	Every 6 months	6	0.00500	0.04250	0.05000	
Zinc	mg/m3	Every 6 months	6	0.02000	0.02500	0.02600	

EPA Monitoring Point 37

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits ▲
Aluminium	mg/m3	Every 6 months	6	0.44000	0.48000	0.53000	
Ammonia	mg/m3	Every 6 months	6	0.04000	0.12000	0.18000	
Antimony	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	4	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	4	0.00025	0.00025	0.00025	
Barium	mg/m3	Every 6 months	6	0.01100	0.01183	0.01300	
Beryllium	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	6	1.48000	1.62333	1.83000	
Cadmium	mg/m3	Every 6 months	6	0.00220	0.00235	0.00250	
Calcium	mg/m3	Every 6 months	6	455.00000	483.33333	501.00000	
Chloride	mg/m3	Every 6 months	6	915.00000	1055.66667	1200.00000	
Chromium III	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	6	0.10300	0.11050	0.12000	
Copper	mg/m3	Every 6 months	6	0.00050	0.00075	0.00200	
Electrical Conductivity	mg/m3	Every 6 months	8	8720.00000	8973.12500	9450.00000	
Iron	mg/m3	Every 6 months	6	0.02500	0.06500	0.15000	
Lead	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	4	0.52100	0.59500	0.68100	
Magnesium	mg/m3	Every 6 months	6	388.00000	403.16667	416.00000	
Manganese	mg/m3	Every 6 months	6	3.80000	4.07167	4.70000	
Mercury	mg/m3	Every 6 months	6	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Nickel	mg/m3	Every 6 months	6	0.28200	0.29717	0.31900	
Nitrate	mg/m3	Every 6 months	6	0.00500	0.00583	0.01000	
Nitrite	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	6	0.00500	0.00583	0.01000	
pH	mg/m3	Every 6 months	8	5.40000	5.42500	5.50000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	4	0.06000	0.06750	0.07000	
Phosphorus Total	mg/m3	Every 6 months	3	0.06000	0.08333	0.10000	
Potassium	mg/m3	Every 6 months	6	44.00000	46.66667	51.00000	
Selenium	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	4	0.00050	0.00088	0.00200	
Sodium	mg/m3	Every 6 months	6	1300.00000	1333.33333	1370.00000	
Strontium dissolved	mg/m3	Every 6 months	2	2.20000	2.28000	2.36000	
Sulfate	mg/m3	Every 6 months	6	3960.00000	4183.33333	4300.00000	
Thalium	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	6	36.00000	38.66667	43.00000	
Total Dissolved Solids	mg/m3	Every 6 months	6	7510.00000	8105.00000	8550.00000	
Total Hardness	mg/m3	Every 6 months	6	2750.00000	2866.66667	2960.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	6	0.20000	0.43333	0.60000	
Total Nitrogen	mg/m3	Every 6 months	6	0.20000	0.43333	0.60000	
Vanadium	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	6	0.11400	0.12450	0.13900	

EPA Monitoring Point 38

Pollutant	Unit of measure	Sampling Frequency	Samples collected	lowest value	Mean Value	Highest Value	100th percentile concentration limits
Aluminium	mg/m3	Every 6 months	4	0.00500	0.02875	0.05000	
Ammonia	mg/m3	Every 6 months	4	0.17000	0.29500	0.50000	
Antimony	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	4	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	4	0.00025	0.00025	0.00025	
Barium	mg/m3	Every 6 months	4	0.01500	0.01575	0.01700	
Beryllium	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	4	0.95000	0.97500	1.02000	
Cadmium	mg/m3	Every 6 months	4	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	4	565.00000	573.00000	580.00000	
Chloride	mg/m3	Every 6 months	4	331.00000	408.75000	586.00000	
Chromium III	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	4	0.00050	0.00063	0.00100	
Copper	mg/m3	Every 6 months	4	0.00050	0.00263	0.00900	
Electrical Conductivity	mg/m3	Every 6 months	6	4860.00000	5050.00000	5230.00000	
Iron	mg/m3	Every 6 months	4	0.13000	0.19250	0.29000	
Lead	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	4	0.22100	0.24525	0.26900	
Magnesium	mg/m3	Every 6 months	4	174.00000	188.75000	222.00000	
Manganese	mg/m3	Every 6 months	4	1.49000	1.61750	1.76000	
Mercury	mg/m3	Every 6 months	4	0.00005	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Nickel	mg/m3	Every 6 months	4	0.00200	0.00325	0.00500	
Nitrate	mg/m3	Every 6 months	4	0.00500	0.00625	0.01000	
Nitrite	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	4	0.00500	0.00625	0.01000	
pH	mg/m3	Every 6 months	6	6.90000	7.01667	7.20000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Phosphorus Total	mg/m3	Every 6 months	3	0.00500	0.03500	0.07000	
Potassium	mg/m3	Every 6 months	4	16.00000	18.75000	23.00000	
Selenium	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	4	458.00000	525.50000	642.00000	
Strontium dissolved	mg/m3	Every 6 months	2	2.36000	2.56500	2.77000	
Sulfate	mg/m3	Every 6 months	4	2160.00000	2317.50000	2440.00000	
Thalium	mg/m3	Every 6 months	4	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	4	553.00000	581.00000	604.00000	
Total Dissolved Solids	mg/m3	Every 6 months	4	3980.00000	4497.50000	5150.00000	
Total Hardness	mg/m3	Every 6 months	4	2150.00000	2207.50000	2340.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	4	0.30000	0.37500	0.50000	
Total Nitrogen	mg/m3	Every 6 months	4	0.30000	0.37500	0.50000	
Vanadium	mg/m3	Every 6 months	4	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	4	0.00250	0.00250	0.00250	

Details of Non-Compliance with Licence Conditions	Start Time	Summary of particulars of the non-compliance (NO MORE THAN 50 WORDS)	If required, further details on particulars of non-compliance	Date(s) when the non-compliance occurred, if applicable	Cause of non-compliance	Mitigation
L3.8	19/07/2024 7:15:00 AM	The oil and grease limit of 10mg/L at EPL point 20 was exceeded returning a laboratory result of 11mg/L.	N/A	15 July 2024	Under investigation	There was no evidence of environmental harm nor evidence of any offsite movement thus remedial action