



Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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	99.72%	248.55	553.80	870.60	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.72%	428.04	759.71	1,071.27	1700 mg/m3

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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 06:17:00	0.00020	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	16/02/2024 10:22:00	0.01000	4 mg/m3
Fluorine	mg/m3	Every 6 months	16/02/2024 10:22:00	8.90000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	16/02/2024 10:22:00	12.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	16/02/2024 06:17:00	0.00160	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	08/05/2024 07:30:00	14.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	20/02/2024 08:18:00	4.00000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	16/02/2024 06:17:00	0.01500	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	16/02/2024 10:28:00	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	99.47%	226.86	402.91	711.21	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.47%	846.35	942.24	1,046.68	1700 mg/m3

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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 08:05:00	0.00020	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	14/02/2024 12:08:00	0.01000	4 mg/m3
Fluorine	mg/m3	Every 6 months	14/02/2024 12:08:00	8.90000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	14/02/2024 12:08:00	13.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	14/02/2024 08:05:00	0.00230	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	08/05/2024 07:40:00	12.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	20/02/2024 13:20:00	3.50000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	14/02/2024 08:05:00	0.01000	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	14/02/2024 12:31:00	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	99.85%	277.88	607.01	1,042.50	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.85%	686.83	1,011.08	1,280.82	1700 mg/m3

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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 07:45:00	0.00020	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	15/02/2024 11:51:00	0.00450	4 mg/m3
Fluorine	mg/m3	Every 6 months	15/02/2024 11:51:00	8.30000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	15/02/2024 11:51:00	14.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	15/02/2024 07:45:00	0.00290	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	09/05/2024 09:15:00	40.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	21/02/2024 12:28:00	5.20000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	15/02/2024 07:45:00	0.01500	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	15/02/2024 12:25:00	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	99.72%	344.03	703.19	1,047.40	1500 mg/m3
SO2	mg/m3	Continuous when generating	99.72%	825.50	1,029.25	1,381.38	1700 mg/m3

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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 07:50:00	0.00015	0.03 mg/m3
Chlorine	mg/m3	Every 6 months	22/02/2024 11:26:00	0.01000	4 mg/m3
Fluorine	mg/m3	Every 6 months	22/02/2024 11:26:00	10.00000	30 mg/m3
Hydrogen Chloride	mg/m3	Every 6 months	22/02/2024 11:26:00	15.00000	50 mg/m3
Mercury	mg/m3	Every 6 months	23/02/2024 07:50:00	0.00030	0.03 mg/m3
Solid Particles	mg/m3	Quarterly	10/05/2024 11:40:00	13.00000	50 mg/m3
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	21/02/2024 07:20:00	3.20000	100 mg/m3
Type 1&2 Substances	mg/m3	Every 6 months	23/02/2024 07:50:00	0.05000	0.6 mg/m3
Volatile Organic Compounds	mg/m3	Every 6 months	22/02/2024 12:22:00	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	98.61%	1.79	371.77	787.46
SO2	mg/m3	Continuous when generating	94.44%	403.27	538.49	967.61

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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	2	16/02/2024 06:17:00	0.00025
Chlorine	mg/m3	Every 6 months	2	16/02/2024 10:22:00	0.01000
CO2	%	Every 6 months	10	11/05/2024 08:40:00	10.20000
Fluorine	mg/m3	Every 6 months	2	16/02/2024 10:22:00	8.90000
Hydrogen Chloride	mg/m3	Every 6 months	2	16/02/2024 10:22:00	12.00000
Mercury	mg/m3	Every 6 months	2	16/02/2024 06:17:00	0.00170
Solid Particles	mg/m3	Quarterly	5	08/05/2024 07:30:00	6.60000
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	2	20/02/2024 08:18:00	4.00000
Type 1&2 Substances	mg/m3	Every 6 months	2	16/02/2024 06:17:00	0.01550
Volatile Organic Compounds	mg/m3	Every 6 months	2	16/02/2024 10:28:00	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	97.64%	306.50	711.75	962.99
SO2	mg/m3	Continuous when generating	99.72%	5.91	950.04	1,223.75

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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	2	16/02/2024 06:35:00	0.00015
CO2	%	Every 6 months	6	11/05/2024 08:40:00	11.00000
Mercury	mg/m3	Every 6 months	2	16/02/2024 06:35:00	0.00150
Solid Particles	mg/m3	Quarterly	5	08/05/2024 07:40:00	21.00000
Type 1&2 Substances	mg/m3	Every 6 months	2	16/02/2024 06:35:00	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	99.47%	227.38	402.58	655.31
SO2	mg/m3	Continuous when generating	99.47%	769.48	861.91	951.98

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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	2	14/02/2024 08:05:00	0.00025
CO2	%	Every 6 months	6	08/05/2024 12:02:00	9.40000
Mercury	mg/m3	Every 6 months	2	14/02/2024 08:05:00	0.00250
Solid Particles	mg/m3	Quarterly	5	08/05/2024 11:50:00	9.50000
Type 1&2 Substances	mg/m3	Every 6 months	2	14/02/2024 08:05:00	0.01150

EPA Monitoring Point 10



Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.47%	223.18	402.96	802.45
SO2	mg/m3	Continuous when generating	99.47%	923.59	1,022.99	1,153.71

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Antimony	mg/m3	Every 6 months	2	14/02/2024 07:44:00	0.00100
Cadmium	mg/m3	Every 6 months	2	14/02/2024 07:44:00	0.00033
Chlorine	mg/m3	Every 6 months	2	14/02/2024 12:08:00	0.01000
CO2	%	Every 6 months	10	08/05/2024 11:58:00	11.20000
Fluorine	mg/m3	Every 6 months	2	14/02/2024 12:08:00	8.90000
Hydrogen Chloride	mg/m3	Every 6 months	2	14/02/2024 12:08:00	13.00000
Mercury	mg/m3	Every 6 months	2	14/02/2024 07:44:00	0.00210
Solid Particles	mg/m3	Quarterly	5	08/05/2024 11:50:00	14.00000
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	2	20/02/2024 13:20:00	3.50000
Type 1&2 Substances	mg/m3	Every 6 months	2	14/02/2024 07:44:00	0.00950
Volatile Organic Compounds	mg/m3	Every 6 months	2	14/02/2024 12:31:00	0.03900

EPA Monitoring Point 11



Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.85%	282.64	589.42	1,022.94
SO2	mg/m3	Continuous when generating	99.85%	657.74	987.35	1,269.64

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	2	15/02/2024 07:45:00	0.00020
Chlorine	mg/m3	Every 6 months	2	15/02/2024 11:51:00	0.00450
CO2	%	Every 6 months	10	09/05/2024 09:15:00	10.20000
Fluorine	mg/m3	Every 6 months	2	15/02/2024 11:51:00	8.30000
Hydrogen Chloride	mg/m3	Every 6 months	2	15/02/2024 11:51:00	14.00000
Mercury	mg/m3	Every 6 months	2	15/02/2024 07:45:00	0.00210
Solid Particles	mg/m3	Quarterly	5	09/05/2024 09:15:00	32.00000
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	2	21/02/2024 12:28:00	5.20000
Type 1&2 Substances	mg/m3	Every 6 months	2	15/02/2024 07:45:00	0.01100
Volatile Organic Compounds	mg/m3	Every 6 months	2	15/02/2024 12:25:00	0.03500

EPA Monitoring Point 12



Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.85%	272.67	624.62	1,050.05
SO2	mg/m3	Continuous when generating	99.85%	714.14	1,034.82	1,293.70

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest Value
Cadmium	mg/m3	Every 6 months	2	15/02/2024 07:50:00	0.00036
CO2	%	Every 6 months	6	09/05/2024 09:15:00	8.70000
Mercury	mg/m3	Every 6 months	2	15/02/2024 07:50:00	0.00360
Solid Particles	mg/m3	Quarterly	5	09/05/2024 09:15:00	47.00000
Type 1&2 Substances	mg/m3	Every 6 months	2	15/02/2024 07:50:00	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	99.72%	339.11	737.59	1,114.99
SO2	mg/m3	Continuous when generating	99.72%	833.29	1,045.28	1,401.93

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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	2	23/02/2024 07:50:00	0.00020
CO2	%	Every 6 months	6	10/05/2024 11:58:00	10.10000
Mercury	mg/m3	Every 6 months	2	23/02/2024 07:50:00	0.00086
Solid Particles	mg/m3	Quarterly	5	10/05/2024 11:40:00	8.60000
Type 1&2 Substances	mg/m3	Every 6 months	2	23/02/2024 07:50:00	0.06500

EPA Monitoring Point 14



Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-24 12:00:00 AM

Pollutant	Unit of measure	Sampling Frequency	Sampling Performance	Lowest value	Mean Values	Highest value
NOx	mg/m3	Continuous when generating	99.72%	320.97	666.55	990.07
SO2	mg/m3	Continuous when generating	99.72%	686.92	1,009.12	1,366.25

Pollutant	Unit of measure	Sampling Frequency	Count (12 Months)	Date of Last Sample	Latest measurement
Cadmium	mg/m3	Every 6 months	2	22/02/2024 07:20:00	0.00015
Chlorine	mg/m3	Every 6 months	2	22/02/2024 11:26:00	0.01000
CO2	%	Every 6 months	10	10/05/2024 11:45:00	10.70000
Fine Particulates PM10	mg/m3	Every 6 months	1	12/10/2023 11:36:00	1.30000
Fluorine	mg/m3	Every 6 months	2	22/02/2024 11:26:00	10.00000
Hydrogen Chloride	mg/m3	Every 6 months	2	22/02/2024 11:26:00	15.00000
Mercury	mg/m3	Every 6 months	2	22/02/2024 07:20:00	0.00025
Sulfur Trioxide and/or Sulfuric Acid as SO3	mg/m3	Every 6 months	2	21/02/2024 07:20:00	3.20000
Type 1&2 Substances	mg/m3	Every 6 months	2	22/02/2024 07:20:00	0.06500
Volatile Organic Compounds	mg/m3	Every 6 months	2	22/02/2024 12:22:00	0.49000



EPA Monitoring Point 19

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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%	8638	1.00000	2986.24755	4043.00000	4500 uS/cm
Oil and Grease	mg/L	Fortnightly	0.00%	1	1.00000	1.00000	1.00000	10 mg/L
pH	pH units	Continuous during discharge	0.00%	8636	7.11000	8.16679	8.46000	9 pH units
Pollutant	Unit of measure	Sampling Frequency	Month Count Measure	Month Sum Measure			100th percentile concentration limits	
Volume	ML/d	Daily	30	140.00			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	4	1.00000	1.00000	1.00000	10 mg/L
Suspended Solids	mg/L	Fortnightly	4	2.50000	3.12500	5.00000	30 mg/L
Volume	kL/d	Daily	26	606.83734	1641.14256	2812.53491	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				
Cadmium	mg/L	Weekly during discharge				
Conductivity	uS/cm	Continuous during discharge				
Copper	mg/L	Weekly during discharge				
Iron	mg/L	Weekly during discharge				
Molybdenum	mg/L	Weekly during discharge				
Nickel	mg/L	Weekly during discharge				
pH	pH units	Weekly during discharge				
Silver	mg/L	Weekly during discharge				
Volume	kL/d	Daily				



Start Of Month	EndDate▼
01-Sep-24 12:00:00 AM	01-Oct-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	2	5.79049	5.81578	5.84107	

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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					20 ML/d

Start Of Month	EndDate
01-Sep-24 12:00:00 AM	01-Oct-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	10	6.49000	7.17300	8.60000	
Ammonia	mg/m3	Every 6 months	10	0.56000	0.60800	0.67000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00033	0.00100	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00031	0.00080	
Barium	mg/m3	Every 6 months	10	0.00700	0.01130	0.03900	
Beryllium	mg/m3	Every 6 months	10	0.00400	0.00410	0.00500	
Boron	mg/m3	Every 6 months	10	2.96000	3.30700	4.10000	
Cadmium	mg/m3	Every 6 months	10	0.00030	0.00038	0.00050	
Calcium	mg/m3	Every 6 months	10	568.00000	592.90000	622.00000	
Chloride	mg/m3	Every 6 months	10	674.00000	722.00000	758.00000	
Chromium III	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.07900	0.08400	0.09000	
Copper	mg/m3	Every 6 months	10	0.00050	0.00315	0.01000	
Electrical Conductivity	mg/m3	Every 6 months	11	4660.00000	4885.45455	5100.00000	
Iron	mg/m3	Every 6 months	10	0.26000	0.54600	2.74000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00065	0.00200	
Lithium	mg/m3	Every 6 months	9	0.44400	0.49500	0.62600	
Magnesium	mg/m3	Every 6 months	10	33.00000	35.50000	41.00000	
Manganese	mg/m3	Every 6 months	10	0.65400	0.70600	0.78000	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00004	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00050	0.00070	0.00200	
Nickel	mg/m3	Every 6 months	10	0.15000	0.16300	0.17700	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.00900	0.04000	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.00900	0.04000	
pH	mg/m3	Every 6 months	11	3.90000	4.02727	4.10000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.00556	0.01000	
Phosphorus Total	mg/m3	Every 6 months	8	0.00500	0.01375	0.03000	
Potassium	mg/m3	Every 6 months	10	21.00000	23.10000	25.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.01250	0.04000	
Silver	mg/m3	Every 6 months	9	0.00050	0.00067	0.00200	
Sodium	mg/m3	Every 6 months	10	472.00000	505.60000	538.00000	
Strontium dissolved	mg/m3	Every 6 months	6	0.32600	0.35033	0.39100	
Sulfate	mg/m3	Every 6 months	10	1740.00000	1919.00000	2120.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.00889	0.04000	
Total Alkalinity	mg/m3	Every 6 months	10	0.50000	0.50000	0.50000	
Total Dissolved Solids	mg/m3	Every 6 months	10	3590.00000	3915.00000	4120.00000	
Total Hardness	mg/m3	Every 6 months	10	1560.00000	1626.00000	1700.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.60000	0.79000	1.20000	
Total Nitrogen	mg/m3	Every 6 months	10	0.60000	0.79000	1.20000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	10	0.24800	0.26840	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	10	0.00500	0.15350	1.12000	
Ammonia	mg/m3	Every 6 months	10	0.09000	0.15200	0.24000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00033	0.00070	
Barium	mg/m3	Every 6 months	10	0.01900	0.02350	0.03300	
Beryllium	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	10	2.72000	3.07100	3.60000	
Cadmium	mg/m3	Every 6 months	10	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	10	312.00000	345.20000	378.00000	
Chloride	mg/m3	Every 6 months	10	446.00000	478.10000	502.00000	
Chromium III	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.00050	0.00055	0.00100	
Copper	mg/m3	Every 6 months	10	0.00050	0.00055	0.00100	
Electrical Conductivity	mg/m3	Every 6 months	11	4550.00000	4952.72727	5270.00000	
Iron	mg/m3	Every 6 months	10	0.02500	0.16750	1.20000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00065	0.00200	
Lithium	mg/m3	Every 6 months	9	0.08700	0.10378	0.11400	
Magnesium	mg/m3	Every 6 months	10	130.00000	144.10000	156.00000	
Manganese	mg/m3	Every 6 months	10	0.12000	0.15650	0.19900	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00050	0.00075	0.00200	
Nickel	mg/m3	Every 6 months	10	0.00400	0.00530	0.00700	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.01650	0.06000	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00650	0.02000	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.01800	0.06000	
pH	mg/m3	Every 6 months	11	6.70000	6.84545	7.10000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.01278	0.02000	
Phosphorus Total	mg/m3	Every 6 months	8	0.01000	0.03250	0.05000	
Potassium	mg/m3	Every 6 months	10	4.00000	4.80000	8.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	10	610.00000	678.10000	729.00000	
Strontium dissolved	mg/m3	Every 6 months	6	1.92000	2.04667	2.37000	
Sulfate	mg/m3	Every 6 months	10	1700.00000	1911.00000	2030.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.00778	0.03000	
Total Alkalinity	mg/m3	Every 6 months	10	410.00000	443.70000	481.00000	
Total Dissolved Solids	mg/m3	Every 6 months	10	3530.00000	3916.00000	4350.00000	
Total Hardness	mg/m3	Every 6 months	10	1350.00000	1456.00000	1570.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.20000	0.39000	0.60000	
Total Nitrogen	mg/m3	Every 6 months	10	0.20000	0.40000	0.70000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	10	0.00250	0.00285	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	10	0.06000	0.78400	3.62000	
Ammonia	mg/m3	Every 6 months	10	0.09000	0.28100	0.42000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00208	0.01150	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00174	0.00370	
Barium	mg/m3	Every 6 months	10	0.01100	0.02070	0.05300	
Beryllium	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	10	0.16000	0.37000	0.90000	
Cadmium	mg/m3	Every 6 months	10	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	10	352.00000	392.60000	450.00000	
Chloride	mg/m3	Every 6 months	10	1410.00000	1645.00000	1860.00000	
Chromium III	mg/m3	Every 6 months	7	0.00500	0.00714	0.02000	
Chromium VI	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.13300	0.39950	0.79200	
Copper	mg/m3	Every 6 months	10	0.00050	0.00095	0.00300	
Electrical Conductivity	mg/m3	Every 6 months	10	9720.00000	10321.00000	10910.00000	
Iron	mg/m3	Every 6 months	10	3.79000	16.06800	44.80000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00090	0.00300	
Lithium	mg/m3	Every 6 months	9	0.08900	0.13289	0.25100	
Magnesium	mg/m3	Every 6 months	10	246.00000	274.70000	323.00000	
Manganese	mg/m3	Every 6 months	10	1.73000	2.45200	4.51000	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00050	0.00055	0.00100	
Nickel	mg/m3	Every 6 months	10	0.09200	0.20640	0.36700	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.00800	0.02000	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.00800	0.02000	
pH	mg/m3	Every 6 months	10	5.70000	5.96000	6.40000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Phosphorus Total	mg/m3	Every 6 months	8	0.00500	0.03063	0.05000	
Potassium	mg/m3	Every 6 months	10	4.00000	6.10000	14.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	10	1660.00000	1845.00000	2110.00000	
Strontium dissolved	mg/m3	Every 6 months	5	2.54000	2.73600	3.06000	
Sulfate	mg/m3	Every 6 months	10	3440.00000	3533.00000	3670.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.01167	0.05000	
Total Alkalinity	mg/m3	Every 6 months	10	84.00000	135.00000	234.00000	
Total Dissolved Solids	mg/m3	Every 6 months	10	7640.00000	8330.00000	9180.00000	
Total Hardness	mg/m3	Every 6 months	10	1930.00000	2111.00000	2450.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.40000	0.59000	0.80000	
Total Nitrogen	mg/m3	Every 6 months	10	0.40000	0.59000	0.80000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	10	0.01600	0.11760	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	10	0.00500	0.01100	0.04000	
Ammonia	mg/m3	Every 6 months	10	0.04000	0.08300	0.20000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00036	0.00100	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00039	0.00080	
Barium	mg/m3	Every 6 months	10	0.01000	0.01270	0.01400	
Beryllium	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	10	1.95000	2.30900	2.66000	
Cadmium	mg/m3	Every 6 months	10	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	10	343.00000	371.80000	396.00000	
Chloride	mg/m3	Every 6 months	10	986.00000	1063.60000	1180.00000	
Chromium III	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Copper	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Electrical Conductivity	mg/m3	Every 6 months	11	7150.00000	7655.45455	8020.00000	
Iron	mg/m3	Every 6 months	10	0.16000	0.23900	0.40000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	9	0.19400	0.23122	0.26900	
Magnesium	mg/m3	Every 6 months	10	253.00000	292.50000	322.00000	
Manganese	mg/m3	Every 6 months	10	0.13700	0.15890	0.17500	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00300	0.00300	0.00300	
Nickel	mg/m3	Every 6 months	10	0.01100	0.01270	0.01400	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.00700	0.02000	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.00700	0.02000	
pH	mg/m3	Every 6 months	11	7.00000	7.12727	7.20000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.00889	0.03000	
Phosphorus Total	mg/m3	Every 6 months	8	0.01000	0.03875	0.06000	
Potassium	mg/m3	Every 6 months	10	11.00000	11.80000	12.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	10	956.00000	1107.90000	1220.00000	
Strontium dissolved	mg/m3	Every 6 months	6	2.79000	2.95000	3.12000	
Sulfate	mg/m3	Every 6 months	10	2560.00000	2781.00000	2910.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	10	339.00000	373.60000	396.00000	
Total Dissolved Solids	mg/m3	Every 6 months	10	5930.00000	6414.00000	7390.00000	
Total Hardness	mg/m3	Every 6 months	10	2020.00000	2132.00000	2280.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.10000	0.20000	0.40000	
Total Nitrogen	mg/m3	Every 6 months	10	0.10000	0.20000	0.40000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	10	0.00250	0.00305	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	7	0.00500	0.05286	0.24000	
Ammonia	mg/m3	Every 6 months	7	0.14000	0.22143	0.33000	
Antimony	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	6	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	6	0.00025	0.00031	0.00060	
Barium	mg/m3	Every 6 months	7	0.00500	0.00629	0.00800	
Beryllium	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	7	4.42000	4.91143	5.66000	
Cadmium	mg/m3	Every 6 months	7	0.00010	0.00020	0.00030	
Calcium	mg/m3	Every 6 months	7	501.00000	531.28571	568.00000	
Chloride	mg/m3	Every 6 months	7	474.00000	503.14286	599.00000	
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	7	0.00050	0.00050	0.00050	
Copper	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Electrical Conductivity	mg/m3	Every 6 months	7	4780.00000	5008.57143	5130.00000	
Iron	mg/m3	Every 6 months	7	0.02500	0.15857	0.49000	
Lead	mg/m3	Every 6 months	7	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	6	0.28000	0.32383	0.42800	
Magnesium	mg/m3	Every 6 months	7	105.00000	120.00000	127.00000	
Manganese	mg/m3	Every 6 months	7	0.14800	0.19257	0.21200	
Mercury	mg/m3	Every 6 months	7	0.00005	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	7	0.00100	0.00143	0.00200	
Nickel	mg/m3	Every 6 months	7	0.00900	0.01143	0.01500	
Nitrate	mg/m3	Every 6 months	7	0.00500	0.00857	0.02000	
Nitrite	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	7	0.00500	0.00857	0.02000	
pH	mg/m3	Every 6 months	7	6.60000	6.70000	6.80000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Phosphorus Total	mg/m3	Every 6 months	6	0.00500	0.02417	0.05000	
Potassium	mg/m3	Every 6 months	7	17.00000	17.28571	19.00000	
Selenium	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	7	483.00000	563.57143	590.00000	
Strontium dissolved	mg/m3	Every 6 months	5	2.17000	2.33600	2.55000	
Sulfate	mg/m3	Every 6 months	7	2240.00000	2395.71429	2600.00000	
Thalium	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	7	101.00000	113.85714	133.00000	
Total Dissolved Solids	mg/m3	Every 6 months	7	4100.00000	4277.14286	4440.00000	
Total Hardness	mg/m3	Every 6 months	7	1730.00000	1818.57143	1930.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	7	0.30000	0.35714	0.40000	
Total Nitrogen	mg/m3	Every 6 months	7	0.30000	0.35714	0.40000	
Vanadium	mg/m3	Every 6 months	7	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	7	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	10	0.00500	0.01900	0.10000	
Ammonia	mg/m3	Every 6 months	10	0.03000	0.16500	0.93000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00029	0.00060	
Barium	mg/m3	Every 6 months	10	0.00900	0.01040	0.01200	
Beryllium	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	10	0.37000	0.46500	0.66000	
Cadmium	mg/m3	Every 6 months	10	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	10	271.00000	294.40000	330.00000	
Chloride	mg/m3	Every 6 months	10	751.00000	831.50000	942.00000	
Chromium III	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.00050	0.00080	0.00200	
Copper	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Electrical Conductivity	mg/m3	Every 6 months	11	8900.00000	9984.54545	10480.00000	
Iron	mg/m3	Every 6 months	10	0.02500	0.17200	0.58000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	9	0.10500	0.12067	0.16200	
Magnesium	mg/m3	Every 6 months	10	392.00000	460.30000	512.00000	
Manganese	mg/m3	Every 6 months	10	0.04200	0.11850	0.28800	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00200	0.00210	0.00300	
Nickel	mg/m3	Every 6 months	10	0.00300	0.00440	0.00600	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
pH	mg/m3	Every 6 months	11	7.20000	7.25182	7.30000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.00944	0.02000	
Phosphorus Total	mg/m3	Every 6 months	8	0.01000	0.02375	0.04000	
Potassium	mg/m3	Every 6 months	10	8.00000	9.80000	15.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	10	1500.00000	1760.00000	2040.00000	
Strontium dissolved	mg/m3	Every 6 months	6	5.20000	5.54833	6.61000	
Sulfate	mg/m3	Every 6 months	10	4240.00000	4607.00000	4990.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	10	450.00000	479.10000	516.00000	
Total Dissolved Solids	mg/m3	Every 6 months	10	8680.00000	9002.00000	9640.00000	
Total Hardness	mg/m3	Every 6 months	10	2320.00000	2629.00000	2930.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.05000	0.26000	1.00000	
Total Nitrogen	mg/m3	Every 6 months	10	0.05000	0.26000	1.00000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	10	0.00250	0.00250	0.00250	

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	10	0.00500	0.89900	7.37000	
Ammonia	mg/m3	Every 6 months	10	0.00500	0.07750	0.26000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00031	0.00080	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00025	0.00025	
Barium	mg/m3	Every 6 months	10	0.01900	0.03020	0.08800	
Beryllium	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	10	0.18000	0.25300	0.38000	
Cadmium	mg/m3	Every 6 months	10	0.00005	0.00008	0.00020	
Calcium	mg/m3	Every 6 months	10	164.00000	182.50000	194.00000	
Chloride	mg/m3	Every 6 months	10	2860.00000	3104.00000	3280.00000	
Chromium III	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.00050	0.00085	0.00400	
Copper	mg/m3	Every 6 months	10	0.00050	0.00235	0.01200	
Electrical Conductivity	mg/m3	Every 6 months	11	10130.00000	11151.81818	11980.00000	
Iron	mg/m3	Every 6 months	10	0.02500	1.17300	9.27000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00510	0.03400	
Lithium	mg/m3	Every 6 months	9	0.25800	0.30344	0.39600	
Magnesium	mg/m3	Every 6 months	10	236.00000	268.00000	310.00000	
Manganese	mg/m3	Every 6 months	10	0.00200	0.04590	0.16400	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00200	0.00290	0.00300	
Nickel	mg/m3	Every 6 months	10	0.00400	0.00540	0.01300	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.24250	0.44000	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.24250	0.44000	
pH	mg/m3	Every 6 months	11	6.90000	6.99091	7.20000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.00889	0.04000	
Phosphorus Total	mg/m3	Every 6 months	8	0.00500	0.06188	0.17000	
Potassium	mg/m3	Every 6 months	10	20.00000	22.50000	25.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	10	1830.00000	2008.00000	2150.00000	
Strontium dissolved	mg/m3	Every 6 months	6	2.91000	3.15167	3.46000	
Sulfate	mg/m3	Every 6 months	10	687.00000	881.30000	986.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.01833	0.11000	
Total Alkalinity	mg/m3	Every 6 months	10	800.00000	854.90000	895.00000	
Total Dissolved Solids	mg/m3	Every 6 months	10	6800.00000	7146.00000	7860.00000	
Total Hardness	mg/m3	Every 6 months	10	1380.00000	1557.00000	1760.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.05000	0.32500	1.10000	
Total Nitrogen	mg/m3	Every 6 months	10	0.30000	0.54000	1.50000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00650	0.02000	
Zinc	mg/m3	Every 6 months	10	0.00250	0.00925	0.03600	

EPA Monitoring Point 34

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	10	0.00500	2.01500	11.10000	
Ammonia	mg/m3	Every 6 months	10	0.00500	0.04350	0.09000	
Antimony	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	9	0.00025	0.00031	0.00080	
Arsenic V	mg/m3	Every 6 months	9	0.00025	0.00081	0.00490	
Barium	mg/m3	Every 6 months	10	0.00900	0.03370	0.14900	
Beryllium	mg/m3	Every 6 months	10	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	10	1.84000	2.05500	2.50000	
Cadmium	mg/m3	Every 6 months	10	0.00005	0.00015	0.00060	
Calcium	mg/m3	Every 6 months	10	437.00000	510.00000	546.00000	
Chloride	mg/m3	Every 6 months	10	702.00000	783.50000	912.00000	
Chromium III	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	8	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	10	0.00300	0.00690	0.01800	
Copper	mg/m3	Every 6 months	10	0.00050	0.00475	0.02600	
Electrical Conductivity	mg/m3	Every 6 months	8	6220.00000	6848.75000	7060.00000	
Iron	mg/m3	Every 6 months	10	0.09000	3.39100	17.40000	
Lead	mg/m3	Every 6 months	10	0.00050	0.00345	0.01500	
Lithium	mg/m3	Every 6 months	9	0.23200	0.26233	0.31100	
Magnesium	mg/m3	Every 6 months	10	326.00000	342.60000	362.00000	
Manganese	mg/m3	Every 6 months	10	0.19900	0.33940	0.72100	
Mercury	mg/m3	Every 6 months	10	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	10	0.00050	0.00145	0.00300	
Nickel	mg/m3	Every 6 months	10	0.00900	0.01240	0.02100	
Nitrate	mg/m3	Every 6 months	10	0.00500	0.03250	0.12000	
Nitrite	mg/m3	Every 6 months	10	0.00500	0.00550	0.01000	
Nitrite - Nitrate	mg/m3	Every 6 months	10	0.00500	0.03350	0.12000	
pH	mg/m3	Every 6 months	11	6.40000	6.47273	6.60000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	9	0.00500	0.02500	0.05000	
Phosphorus Total	mg/m3	Every 6 months	8	0.05000	0.12375	0.36000	
Potassium	mg/m3	Every 6 months	10	11.00000	13.90000	15.00000	
Selenium	mg/m3	Every 6 months	10	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	10	763.00000	794.80000	852.00000	
Strontium dissolved	mg/m3	Every 6 months	6	3.35000	3.56333	3.84000	
Sulfate	mg/m3	Every 6 months	10	2970.00000	3157.00000	3350.00000	
Thalium	mg/m3	Every 6 months	9	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	9	0.00500	0.02167	0.10000	
Total Alkalinity	mg/m3	Every 6 months	10	178.00000	207.70000	230.00000	
Total Dissolved Solids	mg/m3	Every 6 months	10	4670.00000	6088.00000	7050.00000	
Total Hardness	mg/m3	Every 6 months	10	2430.00000	2682.00000	2810.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	10	0.05000	0.26500	0.60000	
Total Nitrogen	mg/m3	Every 6 months	10	0.05000	0.28500	0.70000	
Vanadium	mg/m3	Every 6 months	10	0.00500	0.00900	0.03000	
Zinc	mg/m3	Every 6 months	10	0.00250	0.01435	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	2.61333	14.60000	
Ammonia	mg/m3	Every 6 months	6	5.68000	6.79167	7.90000	
Antimony	mg/m3	Every 6 months	5	0.00050	0.00810	0.02500	
Arsenic III	mg/m3	Every 6 months	5	0.00025	0.00135	0.00200	
Arsenic V	mg/m3	Every 6 months	5	0.00025	0.00130	0.00200	
Barium	mg/m3	Every 6 months	6	0.04000	0.05383	0.07000	
Beryllium	mg/m3	Every 6 months	6	0.00050	0.00425	0.00500	
Boron	mg/m3	Every 6 months	6	0.14000	0.48167	1.16000	
Cadmium	mg/m3	Every 6 months	6	0.00005	0.00043	0.00050	
Calcium	mg/m3	Every 6 months	6	46.00000	59.00000	76.00000	
Chloride	mg/m3	Every 6 months	6	5270.00000	6953.33333	7920.00000	
Chromium III	mg/m3	Every 6 months	5	0.00500	0.00600	0.01000	
Chromium VI	mg/m3	Every 6 months	5	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	24200.00000	26187.50000	27800.00000	
Iron	mg/m3	Every 6 months	6	0.05000	1.37667	5.15000	
Lead	mg/m3	Every 6 months	6	0.00200	0.00450	0.00500	
Lithium	mg/m3	Every 6 months	5	1.31000	1.80400	2.11000	
Magnesium	mg/m3	Every 6 months	6	41.00000	57.00000	94.00000	
Manganese	mg/m3	Every 6 months	6	0.02700	0.06600	0.10700	
Mercury	mg/m3	Every 6 months	6	0.00002	0.00005	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	0.01750	0.03000	
Nitrite	mg/m3	Every 6 months	6	0.00500	0.03667	0.15000	
Nitrite - Nitrate	mg/m3	Every 6 months	6	0.00500	0.05250	0.18000	
pH	mg/m3	Every 6 months	8	7.50000	7.63750	7.70000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	5	0.02000	0.05000	0.07000	
Phosphorus Total	mg/m3	Every 6 months	4	0.10000	0.19000	0.27000	
Potassium	mg/m3	Every 6 months	6	20.00000	22.66667	27.00000	
Selenium	mg/m3	Every 6 months	6	0.00500	0.04250	0.05000	
Silver	mg/m3	Every 6 months	5	0.00050	0.00410	0.00500	
Sodium	mg/m3	Every 6 months	6	6160.00000	6571.66667	7180.00000	
Strontium dissolved	mg/m3	Every 6 months	3	5.27000	5.69333	5.99000	
Sulfate	mg/m3	Every 6 months	6	2640.00000	3331.66667	3640.00000	
Thalium	mg/m3	Every 6 months	5	0.00050	0.00410	0.00500	
Titanium	mg/m3	Every 6 months	5	0.00500	0.04100	0.05000	
Total Alkalinity	mg/m3	Every 6 months	6	1170.00000	1351.66667	1450.00000	
Total Dissolved Solids	mg/m3	Every 6 months	6	14200.00000	17816.66667	20900.00000	
Total Hardness	mg/m3	Every 6 months	6	290.00000	382.00000	577.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	6	5.60000	7.80000	10.70000	
Total Nitrogen	mg/m3	Every 6 months	6	5.70000	7.85000	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	0.47667	0.53000	
Ammonia	mg/m3	Every 6 months	6	0.04000	0.14333	0.26000	
Antimony	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	5	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	5	0.00025	0.00025	0.00025	
Barium	mg/m3	Every 6 months	6	0.01000	0.01167	0.01300	
Beryllium	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	6	1.48000	1.61500	1.83000	
Cadmium	mg/m3	Every 6 months	6	0.00200	0.00227	0.00240	
Calcium	mg/m3	Every 6 months	6	455.00000	479.33333	498.00000	
Chloride	mg/m3	Every 6 months	6	915.00000	1009.83333	1160.00000	
Chromium III	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	6	0.10200	0.10750	0.11600	
Copper	mg/m3	Every 6 months	6	0.00050	0.00075	0.00200	
Electrical Conductivity	mg/m3	Every 6 months	8	8720.00000	8886.87500	9235.00000	
Iron	mg/m3	Every 6 months	6	0.02500	0.04417	0.07000	
Lead	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	5	0.52100	0.59620	0.68100	
Magnesium	mg/m3	Every 6 months	6	388.00000	400.66667	416.00000	
Manganese	mg/m3	Every 6 months	6	3.80000	3.95333	4.03000	
Mercury	mg/m3	Every 6 months	6	0.00002	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	6	0.00050	0.00050	0.00050	
Nickel	mg/m3	Every 6 months	6	0.27500	0.28983	0.31000	
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	5	0.06000	0.07000	0.08000	
Phosphorus Total	mg/m3	Every 6 months	4	0.06000	0.08500	0.10000	
Potassium	mg/m3	Every 6 months	6	44.00000	46.00000	51.00000	
Selenium	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	5	0.00050	0.00080	0.00200	
Sodium	mg/m3	Every 6 months	6	1300.00000	1325.00000	1370.00000	
Strontium dissolved	mg/m3	Every 6 months	3	2.20000	2.35333	2.50000	
Sulfate	mg/m3	Every 6 months	6	3960.00000	4198.33333	4300.00000	
Thalium	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	6	37.00000	40.33333	46.00000	
Total Dissolved Solids	mg/m3	Every 6 months	6	7510.00000	8020.00000	8420.00000	
Total Hardness	mg/m3	Every 6 months	6	2750.00000	2845.00000	2960.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	6	0.40000	0.46667	0.60000	
Total Nitrogen	mg/m3	Every 6 months	6	0.40000	0.46667	0.60000	
Vanadium	mg/m3	Every 6 months	6	0.00500	0.00500	0.00500	
Zinc	mg/m3	Every 6 months	6	0.10800	0.12100	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	5	0.00500	0.03300	0.05000	
Ammonia	mg/m3	Every 6 months	5	0.14000	0.26400	0.50000	
Antimony	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Arsenic III	mg/m3	Every 6 months	5	0.00025	0.00025	0.00025	
Arsenic V	mg/m3	Every 6 months	5	0.00025	0.00025	0.00025	
Barium	mg/m3	Every 6 months	5	0.01500	0.01580	0.01700	
Beryllium	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Boron	mg/m3	Every 6 months	5	0.95000	0.99600	1.08000	
Cadmium	mg/m3	Every 6 months	5	0.00005	0.00005	0.00005	
Calcium	mg/m3	Every 6 months	5	565.00000	574.20000	580.00000	
Chloride	mg/m3	Every 6 months	5	331.00000	397.60000	586.00000	
Chromium III	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Chromium VI	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Cobalt	mg/m3	Every 6 months	5	0.00050	0.00060	0.00100	
Copper	mg/m3	Every 6 months	5	0.00050	0.00220	0.00900	
Electrical Conductivity	mg/m3	Every 6 months	7	4860.00000	5030.00000	5230.00000	
Iron	mg/m3	Every 6 months	5	0.13000	0.20400	0.29000	
Lead	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Lithium	mg/m3	Every 6 months	5	0.20800	0.23780	0.26900	
Magnesium	mg/m3	Every 6 months	5	166.00000	184.20000	222.00000	
Manganese	mg/m3	Every 6 months	5	1.49000	1.61200	1.76000	
Mercury	mg/m3	Every 6 months	5	0.00005	0.00005	0.00005	
Molybdenum	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Nickel	mg/m3	Every 6 months	5	0.00200	0.00320	0.00500	
Nitrate	mg/m3	Every 6 months	5	0.00500	0.00600	0.01000	
Nitrite	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Nitrite - Nitrate	mg/m3	Every 6 months	5	0.00500	0.00600	0.01000	
pH	mg/m3	Every 6 months	7	6.90000	7.01429	7.20000	
Phosphorus Dissolved Reactive	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Phosphorus Total	mg/m3	Every 6 months	4	0.00500	0.03625	0.07000	
Potassium	mg/m3	Every 6 months	5	16.00000	18.20000	23.00000	
Selenium	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Silver	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Sodium	mg/m3	Every 6 months	5	458.00000	512.00000	642.00000	
Strontium dissolved	mg/m3	Every 6 months	3	2.36000	2.60333	2.77000	
Sulfate	mg/m3	Every 6 months	5	2160.00000	2322.00000	2440.00000	
Thalium	mg/m3	Every 6 months	5	0.00050	0.00050	0.00050	
Titanium	mg/m3	Every 6 months	5	0.00500	0.00500	0.00500	
Total Alkalinity	mg/m3	Every 6 months	5	553.00000	585.60000	604.00000	
Total Dissolved Solids	mg/m3	Every 6 months	5	3980.00000	4450.00000	5150.00000	
Total Hardness	mg/m3	Every 6 months	5	2130.00000	2192.00000	2340.00000	
Total Kjeldahl Nitrogen	mg/m3	Every 6 months	5	0.30000	0.36000	0.50000	
Total Nitrogen	mg/m3	Every 6 months	5	0.30000	0.36000	0.50000	
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	

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	Action taken or that will be taken to prevent a recurrence of the non-compliance
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No incidents for the last month