

Monthly Summary of EPA Monitoring Data (With Licence Limits)



Disclaimer - Monitoring data contained in this document is made available as required by Section 66(6) of the Protection of the Environment Operations Act 1997 and in accordance with the written requirements issued by the NSW Environment Protection Authority. To the best of Kimbriki Environmental Enterprises' knowledge, the data in this table is correct, except where specifically noted. The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises. For more details on publication of pollution monitoring data please refer to the NSW EPA Website, <http://www.epa.nsw.gov.au/index.htm>

Monitoring Period	01 March 2016 - 31 March 2016						
Date Published	14 April 2016						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)</i>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	3	< 5	5.4	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	4	< 0.01	2 (Note 3)	1	no
pH	pH units	Daily during any discharge	4	6.62	7.53	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	4	8.4	220 (Note 3)	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was greater than 62.1 mm.						
Monitoring Location (EPA Point 3)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)</i>						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	< 5	< 5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.87	0.87	1	no
pH	pH units	Daily during any discharge	1	6.86	6.86	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	37	37	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						

Monthly Summary of EPA
Monitoring Data continued.

Monitoring Location (EPA Point 21)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)					
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1	2	< 5	6.1	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	4	0.02	2 (Note 3)	1	no
pH	pH	Daily during any discharge	4	7.38	7.81	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	4	47	220 (Note 3)	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was greater than 62.1 mm.						
Monitoring Location (EPA Point 22)		Enclosed Ground Level Flare in the North-Eastern corner of the Premises. Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22)					
Parameter	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	Lower Limit (Note 2)	Exceedance (yes/no)
Temperature	°C (Note 1)	Continuous	Continuous	787.3	813.9	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified						

Monthly Summary of EPA Monitoring Data (No Licence Limits)



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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
Monitoring Location (EPA Point 2)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	4	475	838	658	1562
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 3)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	513	513	513	513
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 21)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	4	389	456	471	494
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 22)	Enclosed Ground Level Flare in the North-Eastern corner of the Premises. Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22)						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Volumetric flowrate	m ³ /h (Note 1)	Continuous	Continuous	0 (note 2)	451.9	453.0	464.0
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to power outage at site or utility on 21st March 2016 for 3.0 hours. Flare restarted remotely.						

Exceedance Table



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EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID=1&LICID=13091					
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED					
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084					
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>					
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)
Total suspended solids (TSS)	mg/L (Note 1)	Daily during any discharge	50	16/03/2016	160	16.5
Exceedance Information	KEE is continuing to implement a TSS Reduction Plan that includes works to divert flows from the eastern catchments that are currently treated in a wetland polishing pond (i.e. EPA Discharge Point 2) with a relatively small holding capacity of approx. 0.5 ML to a recently expanded central sediment basin (i.e. EPA Discharge Point 3) that now has a capacity of > 3 ML. Once completed these works should reduce the likelihood of further TSS exceedances from the eastern catchments on site. The works should be completed by the end of April 2016.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					

Quarterly + Yearly Summary of EPA Monitoring Data



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Monitoring Period	December 2015 - March 2016 (Quarterly) + March 2015 - March 2016 (Yearly). Note: Surface water sampling could not be carried out in March due to low flows at monitoring locations. It will be carried out in April 2016.			
Date Published	14 April 2016			
EPA Licence No.	13091			
EPA Licence Hyperlink	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30667&SYSUID=1&LICID=13091			
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED			
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084			
Monitoring Location (EPA Point 4) Leachate Holding Riser - no discharge from site.	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 4)			
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	yearly	1	3000
Aluminium	mg/L (Note 1)	yearly	1	0.09
Arsenic	mg/L (Note 1)	yearly	1	0.017
Barium	mg/L (Note 1)	yearly	1	0.9
Benzene	mg/L (Note 1)	yearly	1	< 0.001
Cadmium	mg/L (Note 1)	yearly	1	< 0.0005
Calcium	mg/L (Note 1)	yearly	1	110
Chloride	mg/L (Note 1)	yearly	1	620
Chromium (hexavalent)	mg/L (Note 1)	yearly	1	< 0.005
Chromium (total)	mg/L (Note 1)	yearly	1	0.093
Cobalt	mg/L (Note 1)	yearly	1	0.009
Conductivity	mg/L (Note 1)	yearly	1	7100
Copper	mg/L (Note 1)	yearly	1	< 0.005
Ethylbenzene	mg/L (Note 1)	yearly	1	< 0.001
Fluoride	mg/L (Note 1)	yearly	1	< 0.5
Lead	mg/L (Note 1)	yearly	1	< 0.005
Magnesium	mg/L (Note 1)	yearly	1	67
Manganese	mg/L (Note 1)	yearly	1	0.15
Mercury	mg/L (Note 1)	yearly	1	< 0.0001
Nitrate + Nitrite (oxidised nitrogen)	mg/L (Note 1)	yearly	1	< 2.5
Nitrogen (Ammonia)	mg/L (Note 1)	yearly	1	550
Organochlorine pesticides OCP's	mg/L (Note 1)	yearly	1	<0.01
Organophosphate pesticides OP's	mg/L (Note 1)	yearly	1	< 0.01
Ortho phosphate	mg/L (Note 1)	yearly	1	0.08
pH	pH units	yearly	1	7.5
Phosphorus (total)	mg/L (Note 1)	yearly	1	0.36
Polycyclic aromatic hydrocarbons PAHs	mg/L (Note 1)	yearly	1	< 0.001
Potassium	mg/L (Note 1)	yearly	1	210
Sodium	mg/L (Note 1)	yearly	1	440
Standing Water Level (m below TOC)	metres	yearly	1	In situ
Standing Water Level (m AHD)	metres	yearly	1	In situ
Sulphate	mg/L (Note 1)	yearly	1	< 5
Toluene	mg/L (Note 1)	yearly	1	< 0.001
Total Dissolved Solids - TDS	mg/L (Note 1)	yearly	1	2500
Total Organic Carbon - TOC	mg/L (Note 1)	yearly	1	430
Total Petroleum Hydrocarbons - TPH	mg/L (Note 1)	yearly	1	2
Total Phenolics	mg/L (Note 1)	yearly	1	< 0.05
Total Suspended Solids	mg/L (Note 1)	yearly	1	28
Xylene	mg/L (Note 1)	yearly	1	< 0.003
Zinc	mg/L (Note 1)	yearly	1	0.021
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 16)		Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 16)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium	mg/L (Note 1)	Quarterly	1	27
Calcium	mg/L (Note 1)	Quarterly	1	2.1
Chloride	mg/L (Note 1)	Quarterly	1	88
Magnesium	mg/L (Note 1)	Quarterly	1	9.3
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.03
pH	pH units	Quarterly	1	5.9
Potassium	mg/L (Note 1)	Quarterly	1	< 1
Sodium	mg/L (Note 1)	Quarterly	1	40
Standing Water Level (TOC)	metres	Quarterly	1	17.07
Standing Water Level (m AHD)	metres	NA	NA	99.34
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	190
Total organic carbon	mg/L (Note 1)	Quarterly	1	9.9
Aluminium	mg/L (Note 1)	Yearly	1	<0.05
Arsenic	mg/L (Note 1)	Yearly	1	<0.005
Barium	mg/L (Note 1)	Yearly	1	0.081
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005
Cobalt	mg/L (Note 1)	Yearly	1	0.012
Copper	mg/L (Note 1)	Yearly	1	<0.005
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001
Fluoride	mg/L (Note 1)	Yearly	1	<0.5
Lead	mg/L (Note 1)	Yearly	1	<0.005
Manganese	mg/L (Note 1)	Yearly	1	0.79
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.08
Organochlorine	mg/L (Note 1)	Yearly	1	< 0.01
Organophosphate	mg/L (Note 1)	Yearly	1	< 0.02
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
Toluene	mg/L (Note 1)	Yearly	1	0.019
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	< 0.1
Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
Xylene	mg/L (Note 1)	Yearly	1	< 0.003
Zinc	mg/L (Note 1)	Yearly	1	0.012
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 17)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 17)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium)	mg/L (Note 1)	Quarterly	1	29
Calcium	mg/L (Note 1)	Quarterly	1	3.1
Chloride	mg/L (Note 1)	Quarterly	1	75
Magnesium	mg/L (Note 1)	Quarterly	1	9.5
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.12
pH	pH units	Quarterly	1	6
Potassium	mg/L (Note 1)	Quarterly	1	1.9
Sodium	mg/L (Note 1)	Quarterly	1	44
Standing Water Level	metres	Quarterly	1	7.15
Standing Water Level	metres	NA	NA	62.66
Sulfate	mg/L (Note 1)	Quarterly	1	41
Total dissolved solids	mg/L (Note 1)	Quarterly	1	190
Total organic carbon	mg/L (Note 1)	Quarterly	1	9
Aluminium	mg/L (Note 1)	Yearly	1	0.35
Arsenic	mg/L (Note 1)	Yearly	1	<0.005
Barium	mg/L (Note 1)	Yearly	1	0.054
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005
Cobalt	mg/L (Note 1)	Yearly	1	0.008
Copper	mg/L (Note 1)	Yearly	1	< 0.005
Ethylbenzene	mg/L (Note 1)	Yearly	1	< 0.001
Fluoride	mg/L (Note 1)	Yearly	1	< 0.5
Lead	mg/L (Note 1)	Yearly	1	0.008
Manganese	mg/L (Note 1)	Yearly	1	0.75
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.06
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	< 0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	< 0.02
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	< 0.001
Toluene	mg/L (Note 1)	Yearly	1	< 0.001
Total Petroleum	mg/L (Note 1)	Yearly	1	< 0.1
Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
Xylene	mg/L (Note 1)	Yearly	1	< 0.003
Zinc	mg/L (Note 1)	Yearly	1	0.18
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 18)		Please refer to the <i>map, Kimbriki Monitoring Sites.pdf</i> , for location (EPA 18)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	400
Calcium	mg/L (Note 1)	Quarterly	1	13
Chloride	mg/L (Note 1)	Quarterly	1	290
Magnesium	mg/L (Note 1)	Quarterly	1	31
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	60
pH	pH units	Quarterly	1	6.9
Potassium	mg/L (Note 1)	Quarterly	1	47
Sodium	mg/L (Note 1)	Quarterly	1	170
Standing Water Level	metres	Quarterly	1	13.82
Standing Water Level	metres	NA	NA	81.56
Sulfate	mg/L (Note 1)	Quarterly	1	30
Total dissolved solids	mg/L (Note 1)	Quarterly	1	720
Total organic carbon	mg/L (Note 1)	Quarterly	1	77
Aluminium	mg/L (Note 1)	Yearly	1	< 0.05
Arsenic	mg/L (Note 1)	Yearly	1	< 0.005
Barium	mg/L (Note 1)	Yearly	1	0.88
Benzene	mg/L (Note 1)	Yearly	1	< 0.001
Cadmium	mg/L (Note 1)	Yearly	1	< 0.0005
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	< 0.005
Cobalt	mg/L (Note 1)	Yearly	1	0.015
Copper	mg/L (Note 1)	Yearly	1	< 0.005
Ethylbenzene	mg/L (Note 1)	Yearly	1	< 0.001
Fluoride	mg/L (Note 1)	Yearly	1	< 0.5
Lead	mg/L (Note 1)	Yearly	1	< 0.005
Manganese	mg/L (Note 1)	Yearly	1	11
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.57
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	< 0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	< 0.02
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
Toluene	mg/L (Note 1)	Yearly	1	< 0.001
Total Petroleum	mg/L (Note 1)	Yearly	1	0.2
Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
Xylene	mg/L (Note 1)	Yearly	1	< 0.003
Zinc	mg/L (Note 1)	Yearly	1	0.014
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 19)		Please refer to the <i>map, Kimbriki Monitoring Sites.pdf, for location (EPA 19)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	< 20
Calcium	mg/L (Note 1)	Quarterly	1	5.8
Chloride	mg/L (Note 1)	Quarterly	1	34
Magnesium	mg/L (Note 1)	Quarterly	1	3.4
Nitrogen	mg/L (Note 1)	Quarterly	1	1.3
pH	pH units	Quarterly	1	6
Potassium	mg/L (Note 1)	Quarterly	1	7.6
Sodium	mg/L (Note 1)	Quarterly	1	19
Standing Water Level	metres	Quarterly	1	3.82
Standing Water Level	metres	NA	NA	61.26
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	180
Total organic carbon	mg/L (Note 1)	Quarterly	1	32
Aluminium	mg/L (Note 1)	Yearly	1	0.57
Arsenic	mg/L (Note 1)	Yearly	1	< 0.005
Barium	mg/L (Note 1)	Yearly	1	0.021
Benzene	mg/L (Note 1)	Yearly	1	< 0.001
Cadmium	mg/L (Note 1)	Yearly	1	< 0.0005
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	< 0.005
Cobalt	mg/L (Note 1)	Yearly	1	< 0.005
Copper	mg/L (Note 1)	Yearly	1	< 0.005
Ethylbenzene	mg/L (Note 1)	Yearly	1	< 0.001
Fluoride	mg/L (Note 1)	Yearly	1	< 0.5
Lead	mg/L (Note 1)	Yearly	1	< 0.005
Manganese	mg/L (Note 1)	Yearly	1	0.066
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.08
Organochlorine	mg/L (Note 1)	Yearly	1	< 0.01
Organophosphate	mg/L (Note 1)	Yearly	1	< 0.02
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
Toluene	mg/L (Note 1)	Yearly	1	< 0.001
Total Petroleum	mg/L (Note 1)	Yearly	1	< 0.1
Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
Xylene	mg/L (Note 1)	Yearly	1	< 0.003
Zinc	mg/L (Note 1)	Yearly	1	0.012
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 20)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 20)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium)	mg/L (Note 1)	Quarterly	1	32
Calcium	mg/L (Note 1)	Quarterly	1	1.9
Chloride	mg/L (Note 1)	Quarterly	1	39
Magnesium	mg/L (Note 1)	Quarterly	1	4.7
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	< 0.01
pH	pH units	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	< 1
Sodium	mg/L (Note 1)	Quarterly	1	23
Standing Water Level	metres	Quarterly	1	21.43
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	110
Total organic carbon	mg/L (Note 1)	Quarterly	1	16
Aluminium	mg/L (Note 1)	Yearly	1	0.16
Arsenic	mg/L (Note 1)	Yearly	1	< 0.005
Barium	mg/L (Note 1)	Yearly	1	0.14
Benzene	mg/L (Note 1)	Yearly	1	< 0.001
Cadmium	mg/L (Note 1)	Yearly	1	< 0.0005
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	< 0.005
Cobalt	mg/L (Note 1)	Yearly	1	< 0.005
Copper	mg/L (Note 1)	Yearly	1	< 0.005
Ethylbenzene	mg/L (Note 1)	Yearly	1	< 0.001
Fluoride	mg/L (Note 1)	Yearly	1	< 0.5
Lead	mg/L (Note 1)	Yearly	1	< 0.005
Manganese	mg/L (Note 1)	Yearly	1	0.53
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.08
Organochlorine	mg/L (Note 1)	Yearly	1	< 0.01
Organophosphate	mg/L (Note 1)	Yearly	1	< 0.02
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
Toluene	mg/L (Note 1)	Yearly	1	0.007
Total Petroleum	mg/L (Note 1)	Yearly	1	< 0.1
Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
Xylene	mg/L (Note 1)	Yearly	1	< 0.003
Zinc	mg/L (Note 1)	Yearly	1	0.027
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			