



EPA Monitoring Data Summary



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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, www.epa.nsw.gov.au

Monitoring Period	Mar-24						
Date Published	14 April 2024						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)</i>						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Non-compliances (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	2	2	20	No
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.06	0.06	1	No
pH	pH	Daily during any discharge	1	7.44	7.44	6.5-8.5	No
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	22.0	22.0	50	No
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						
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	Non-compliances (yes/no)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						



EPA Monitoring Data Summary



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	Max. value	100 percentile limit	Non-compliances (yes/no)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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	Non-compliances (yes/no)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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)	Non-compliances (yes/no)
Residence Time	seconds	Continuous	Continuous	1.0	1.3	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	772.7	813.3	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 Limit **KIMBRIKI**



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Monitoring Period	Mar-24						
Date Published	4 April 2024						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)						
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	296	296	296	296
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						



Monthly Summary of EPA Monitoring Data - No Limit **KIMBRIKI**

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)	294.9	303.0	378.0
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shut down on 11th March 2024 for 6 hours due to phase failure after-hours. The flare was restarted remotely the next morning. 2. Flare was shut down on 14th March 2024 for 4 minutes due to flame failure. The flare was restarted remotely. 3. Flare was shut down on 17th March 2024 for 2.5 hours due to flame failure. The flare was restarted remotely. 4. Flare was shut down on 25th March 2024 for 29.5 hours due to onsite work on overhead power lines. The flare was restarted remotely. 5. Flare was shut down on 27th March 2024 for 3 hours due to onsite work on overhead power lines. The flare was restarted remotely.						



Quarterly + Yearly Summary of EPA Monitoring Data



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Monitoring Period	December 2023 - March 2024 (Quarterly) + March 2023 - March 2024 (Yearly). Surface water sampled 11 March 2024. Groundwater sampled 12 March 2024.
Date Published	14 April 2024
EPA Licence No.	13091
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084

Monitoring Location (EPA Point 1/11)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1/11)</i>
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Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	2
Conductivity	µS/cm (Note 3)	Quarterly	1	327
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	7.45
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	~71
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.06
pH	pH	Quarterly	1	8.05
Potassium	mg/L (Note 1)	Quarterly	1	6.8
Redox potential	mV (Note 5)	Quarterly	1	121.0
Total dissolved solids	mg/L (Note 1)	Quarterly	1	213
Total organic carbon	mg/L (Note 1)	Quarterly	1	10.2

Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) µS/cm (microsiemens per centimetre) (Note 4) org/100 mL (colony forming units per 100 millilitres) (Note 5) mV (millivolts)
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Quarterly + Yearly Summary of EPA Monitoring Data



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 quarter/year	Value
Explanatory Notes	Sample could not be collected as there was no flow at this location.			
Monitoring Location (EPA Point 3/12)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3/12)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	3
Conductivity	µS/cm (Note 3)	Quarterly	1	311
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	7.98
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	53
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.02
pH	pH	Quarterly	1	8.05
Potassium	mg/L (Note 1)	Quarterly	1	7
Redox potential	mV (Note 5)	Quarterly	1	121.0
Total dissolved solids	mg/L (Note 1)	Quarterly	1	203
Total organic carbon	mg/L (Note 1)	Quarterly	1	8.9
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) µS/cm (microsiemens per centimetre) (Note 4) org/100 mL (colony forming units per 100 millilitres) (Note 5) mV (millivolts)			



Quarterly + Yearly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 4) Leachate Holding Riser - no discharge from site.		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 4)</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)	yearly	1	421
Aluminium	mg/L (Note 1)	yearly	1	0.031
Arsenic	mg/L (Note 1)	yearly	1	0.0045
Barium	mg/L (Note 1)	yearly	1	0.7600
Benzene	mg/L (Note 1)	yearly	1	<0.002
Cadmium	mg/L (Note 1)	yearly	1	<0.0001
Calcium	mg/L (Note 1)	yearly	1	134
Chloride	mg/L (Note 1)	yearly	1	350
Chromium (hexavalent)	mg/L (Note 1)	yearly	1	<0.004
Chromium (total)	mg/L (Note 1)	yearly	1	0.0173
Cobalt	mg/L (Note 1)	yearly	1	0.0042
Conductivity	µS/cm (Note 2)	yearly	1	4033
Copper	mg/L (Note 1)	yearly	1	<0.0005
Ethylbenzene	mg/L (Note 1)	yearly	1	<0.002
Fluoride	mg/L (Note 1)	yearly	1	0.20
Lead	mg/L (Note 1)	yearly	1	0.0001
Magnesium	mg/L (Note 1)	yearly	1	45.7
Manganese	mg/L (Note 1)	yearly	1	0.183
Mercury	mg/L (Note 1)	yearly	1	<0.0003
Nitrate + Nitrite (oxidised nitrogen)	mg/L (Note 1)	yearly	1	0.04
Nitrogen (Ammonia)	mg/L (Note 1)	yearly	1	260
Organochlorine pesticides	mg/L (Note 1)	yearly	1	<0.0001
Organophosphate pesticides	mg/L (Note 1)	yearly	1	<0.0025
pH	pH units	yearly	1	7
Phosphorus (total)	mg/L (Note 1)	yearly	1	0.27



Quarterly + Yearly Summary of EPA Monitoring Data



Polycyclic aromatic hydrocarbons	mg/L (Note 1)	yearly	1	<0.001
Potassium	mg/L (Note 1)	yearly	1	140
Sodium	mg/L (Note 1)	yearly	1	268
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	0.71
Toluene	mg/L (Note 1)	yearly	1	<0.001
Total Dissolved Solids - TDS	mg/L (Note 1)	yearly	1	1752
Total Organic Carbon - TOC	mg/L (Note 1)	yearly	1	133.5
Total Petroleum Hydrocarbons	mg/L (Note 1)	yearly	1	0.40
Total Phenolics	mg/L (Note 1)	yearly	1	<0.2
Total Suspended Solids	mg/L (Note 1)	yearly	1	56
Xylene	mg/L (Note 1)	yearly	1	<0.002
Zinc	mg/L (Note 1)	yearly	1	0.002
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) µS/cm (microsiemens per centimetre)			
Monitoring Location (EPA Point 7)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 7)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	602
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.85
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	270
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.06
pH	pH	Quarterly	1	7.97
Potassium	mg/L (Note 2)	Quarterly	1	7.1
Redox potential	mV (Note 4)	Quarterly	1	156
Total dissolved solids	mg/L (Note 2)	Quarterly	1	253
Total organic carbon	mg/L (Note 2)	Quarterly	1	5.4
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			



Quarterly + Yearly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 8)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 8)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	426
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.61
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	450
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01
pH	pH	Quarterly	1	8
Potassium	mg/L (Note 2)	Quarterly	1	7.2
Redox potential	mV (Note 4)	Quarterly	1	136.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	253
Total organic carbon	mg/L (Note 2)	Quarterly	1	5.1
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 9)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 9)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	420
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.98
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	~46
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.95
Potassium	mg/L (Note 2)	Quarterly	1	7.1
Redox potential	mV (Note 4)	Quarterly	1	123.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	255
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.7
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			



Quarterly + Yearly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 10)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 10)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	3460
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.65
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	~350
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	162
pH	pH	Quarterly	1	8.0
Potassium	mg/L (Note 2)	Quarterly	1	198.0
Redox potential	mV (Note 4)	Quarterly	1	76.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1816
Total organic carbon	mg/L (Note 2)	Quarterly	1	145.8
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 13)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 13)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	469
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.72
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	~120
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	4.76
pH	pH	Quarterly	1	7.2
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	10.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280
Total organic carbon	mg/L (Note 2)	Quarterly	1	18
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			



Quarterly + Yearly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 14)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 14)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Explanatory Notes		Sample could not be collected as there was no flow at this location.		
Monitoring Location (EPA Point 15)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 15)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	461
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.66
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	50
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	4.36
pH	pH	Quarterly	1	7.14
Potassium	mg/L (Note 2)	Quarterly	1	12.4
Redox potential	mV (Note 4)	Quarterly	1	15
Total dissolved solids	mg/L (Note 2)	Quarterly	1	275
Total organic carbon	mg/L (Note 2)	Quarterly	1	15.9
Explanatory Notes		(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)		
Monitoring Location (EPA Point 17)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 17)</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	54
Aluminium	mg/L (Note 1)	Yearly	1	18.70
Arsenic	mg/L (Note 1)	Yearly	1	0.0035
Barium	mg/L (Note 1)	Yearly	1	0.139
Benzene	mg/L (Note 1)	Yearly	1	<0.002
Cadmium	mg/L (Note 1)	Yearly	1	0.0003
Calcium	mg/L (Note 1)	Quarterly	1	2.30
Chloride	mg/L (Note 1)	Quarterly	1	80.00
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.004



Quarterly + Yearly Summary of EPA Monitoring Data



Chromium (total)	mg/L (Note 1)	Yearly	1	0.0346
Cobalt	mg/L (Note 1)	Yearly	1	0.0155
Copper	mg/L (Note 1)	Yearly	1	0.0393
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.002
Fluoride	mg/L (Note 1)	Yearly	1	<0.10
Lead	mg/L (Note 1)	Yearly	1	0.124
Magnesium	mg/L (Note 1)	Quarterly	1	8.56
Manganese	mg/L (Note 1)	Yearly	1	0.858
Mercury	mg/L (Note 1)	Yearly	1	0.00005
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.01
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.27
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.0001
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.0025



Quarterly + Yearly Summary of EPA Monitoring Data



pH	pH units	Quarterly	1	5.90
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	2.60
Sodium	mg/L (Note 1)	Quarterly	1	45.20
Standing Water Level (TOC)	metres	Quarterly	1	7.69
Standing Water Level (m AHD)	metres	Quarterly	1	61.9
Sulfate	mg/L (Note 1)	Quarterly	1	17.00
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	221.00
Total organic carbon	mg/L (Note 1)	Quarterly	1	6.00
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	0.04
Total Phenolics	mg/L (Note 1)	Yearly	1	<1
Xylene	mg/L (Note 1)	Yearly	1	<0.002
Zinc	mg/L (Note 1)	Yearly	1	0.360
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 19)		<i>Please refer to the 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	463
Aluminium	mg/L (Note 1)	Yearly	1	0.729
Arsenic	mg/L (Note 1)	Yearly	1	0.0051
Barium	mg/L (Note 1)	Yearly	1	0.312
Benzene	mg/L (Note 1)	Yearly	1	<0.002
Cadmium	mg/L (Note 1)	Yearly	1	<0.0001
Calcium	mg/L (Note 1)	Quarterly	1	54.90
Chloride	mg/L (Note 1)	Quarterly	1	220.00
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.004
Chromium (total)	mg/L (Note 1)	Yearly	1	0.0359
Cobalt	mg/L (Note 1)	Yearly	1	0.0065
Copper	mg/L (Note 1)	Yearly	1	0.0089
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.002
Fluoride	mg/L (Note 1)	Yearly	1	<0.10
Lead	mg/L (Note 1)	Yearly	1	0.0175



Quarterly + Yearly Summary of EPA Monitoring Data



Magnesium	mg/L (Note 1)	Quarterly	1	28.60
Manganese	mg/L (Note 1)	Yearly	1	0.781
Mercury	mg/L (Note 1)	Yearly	1	<0.00001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.06
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	33.40
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.0001
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.0025
pH	pH units	Quarterly	1	6.50
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	70.00
Sodium	mg/L (Note 1)	Quarterly	1	129.00
Standing Water Level (TOC)	metres	Quarterly	1	3.35
Standing Water Level (m AHD)	metres	Quarterly	1	61.6
Sulfate	mg/L (Note 1)	Quarterly	1	1.30
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	744.00
Total organic carbon	mg/L (Note 1)	Quarterly	1	59.80
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.2
Total Phenolics	mg/L (Note 1)	Yearly	1	<1
Xylene	mg/L (Note 1)	Yearly	1	<0.002
Zinc	mg/L (Note 1)	Yearly	1	0.136
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 20)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 20)</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	69
Aluminium	mg/L (Note 1)	Yearly	1	0.146
Arsenic	mg/L (Note 1)	Yearly	1	0.0004
Barium	mg/L (Note 1)	Yearly	1	0.138
Benzene	mg/L (Note 1)	Yearly	1	<0.002
Cadmium	mg/L (Note 1)	Yearly	1	<0.0001
Calcium	mg/L (Note 1)	Quarterly	1	1.64



Quarterly + Yearly Summary of EPA Monitoring Data



Chloride	mg/L (Note 1)	Quarterly	1	41.00
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.004
Chromium (total)	mg/L (Note 1)	Yearly	1	0.0287
Cobalt	mg/L (Note 1)	Yearly	1	0.0015
Copper	mg/L (Note 1)	Yearly	1	0.0028
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.002
Fluoride	mg/L (Note 1)	Yearly	1	<0.10
Lead	mg/L (Note 1)	Yearly	1	0.0016
Magnesium	mg/L (Note 1)	Quarterly	1	4.75
Manganese	mg/L (Note 1)	Yearly	1	0.470
Mercury	mg/L (Note 1)	Yearly	1	<0.00001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.07
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.0001
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.0025
pH	pH units	Quarterly	1	7.60
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	1.40
Sodium	mg/L (Note 1)	Quarterly	1	22.40
Standing Water Level (TOC)	metres	Quarterly	1	21.80
Standing Water Level (m AHD)	metres	Quarterly	1	99.86
Sulfate	mg/L (Note 1)	Quarterly	1	0.30
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	109.00
Total organic carbon	mg/L (Note 1)	Quarterly	1	8.60
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.2
Total Phenolics	mg/L (Note 1)	Yearly	1	<1
Xylene	mg/L (Note 1)	Yearly	1	<0.002
Zinc	mg/L (Note 1)	Yearly	1	0.036
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly + Yearly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 21)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	2
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			