

*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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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](http://www.epa.nsw.gov.au)

Monitoring Period	Mar-20						
Date Published	17 April 2020						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091</a>						
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	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	3	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	3	0.02	0.16	1	no
pH	pH	Daily during any discharge	3	7.65	7.84	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	3	3.1	17.0	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	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	<0.01	<0.01	1	no
pH	pH	Daily during any discharge	1	7.37	7.37	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	7.2	7.2	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 with Limits

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	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	2	<5	9.8	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	2	0.07	0.13	1	no
pH	pH	Daily during any discharge	2	7.26	7.98	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	17.0	21.0	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 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 (Note 2)	9	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	14	<0.01	0.19	1	no
pH	pH	Daily during any discharge	14	7.22	7.95	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	14	<5	200 (Note 3)	50	yes
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) This measurement was not an exceedance as the 5-day cumulative rainfall (85.5mm) exceeded the 62.1mm threshold on the day the sample was collected. The actual exceedance concentration was 88mg/L. See Exceedance Table.						
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)
Residence Time	seconds	Continuous	Continuous	0.7	0.7	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	791	808	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must <b>be greater than</b> the Lower Limit specified						

*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](http://www.epa.nsw.gov.au)

Monitoring Period	Mar-20					
Date Published	17 April 2020					
EPA Licence No.	13091					
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091</a>					
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED					
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084					
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	100 percentile limit	Exceedance Date	Value	Five-day cumulative rainfall recorded on site (mm) (Note 1)
Total Suspended Solids	mg/L (Note 2)	Daily during any discharge	50	27/03/2020	88 (Note 3)	51
Explanatory Notes	(Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) While the 5-day cumulative rainfall at the time of exceedance on 27th March 2020 did not meet the 62.1mm threshold, the result is attributable to the significant amount of rainfall received during the month (205mm). The western basins (i.e. EPA 1 and EPA 21) were used to treat runoff generated from the significant amount of rainfall received at the premises. The basins were operating at capacity when accumulating runoff and minor rainfall events overwhelmed the system. Kimbriki performs daily inspection of sediment controls and proactively maintain controls by all means practicable to ensure potential for suspended solids discharge is minimised. Kimbriki aims to upgrade erosion and sediment controls by (a) lining erosive surfaces as soon as practicable during Cell 4A construction, and (b) constructing an up-gradient clean water diversion system (design is currently underway).					

**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](http://www.epa.nsw.gov.au)

Monitoring Period	Mar-20						
Date Published	17 April 2020						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091</a>						
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	3	378	417	385	489
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
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	216	216	216	216
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	2	294	309	309	324
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	14	191	308	317	422
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 <sup>3</sup> /h (Note 1)	Continuous	Continuous	0 (Note 2)	528	532	545
Explanatory Notes	(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shutdown on 4th March 2020 for ~5 hours due to power supply outage. Flare was restarted on site.						

*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](http://www.epa.nsw.gov.au)

Monitoring Period	December 2019 - March 2020 (Quarterly) + March 2019 - March 2020 (Yearly). Surface water sampled 5th March 2020. Groundwater sampled 6th March 2020.			
Date Published	17 April 2020			
EPA Licence No.	13091			
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091</a>			
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>			
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	<5
Conductivity	µS/cm (Note 3)	Quarterly	1	360
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	8.6
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	1600
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 1)	Quarterly	1	9.0
Redox potential	mV (Note 5)	Quarterly	1	260
Total dissolved solids	mg/L (Note 1)	Quarterly	1	240
Total organic carbon	mg/L (Note 1)	Quarterly	1	12.0
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 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
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	<5
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 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	<5
Conductivity	µS/cm (Note 3)	Quarterly	1	360
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	8.3
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.01
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 1)	Quarterly	1	12.0
Redox potential	mV (Note 5)	Quarterly	1	260
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220
Total organic carbon	mg/L (Note 1)	Quarterly	1	11.0
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	2000
Aluminium	mg/L (Note 1)	yearly	1	0.10
Arsenic	mg/L (Note 1)	yearly	1	0.031
Barium	mg/L (Note 1)	yearly	1	0.85
Benzene	mg/L (Note 1)	yearly	1	<0.001
Cadmium	mg/L (Note 1)	yearly	1	<0.0002
Calcium	mg/L (Note 1)	yearly	1	140
Chloride	mg/L (Note 1)	yearly	1	360
Chromium (hexavalent)	mg/L (Note 1)	yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	yearly	1	0.11
Cobalt	mg/L (Note 1)	yearly	1	0.007
Conductivity	µS/cm (Note 2)	yearly	1	5300
Copper	mg/L (Note 1)	yearly	1	0.002
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	<0.001
Magnesium	mg/L (Note 1)	yearly	1	61
Manganese	mg/L (Note 1)	yearly	1	0.25
Mercury	mg/L (Note 1)	yearly	1	<0.0001
Nitrate + Nitrite (oxidised nitrogen)	mg/L (Note 1)	yearly	1	0.09
Nitrogen (Ammonia)	mg/L (Note 1)	yearly	1	370
Organochlorine pesticides	mg/L (Note 1)	yearly	1	<0.01
Organophosphate pesticides	mg/L (Note 1)	yearly	1	<0.02
Ortho phosphate	mg/L (Note 1)	yearly	1	<0.05
pH	pH units	yearly	1	7.4
Phosphorus (total)	mg/L (Note 1)	yearly	1	0.09
Polycyclic aromatic hydrocarbons	mg/L (Note 1)	yearly	1	<0.001
Potassium	mg/L (Note 1)	yearly	1	190
Sodium	mg/L (Note 1)	yearly	1	350

## Quarterly + Yearly Summary of EPA Monitoring Data

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	33
Toluene	mg/L (Note 1)	yearly	1	<0.001
Total Dissolved Solids - TDS	mg/L (Note 1)	yearly	1	4000
Total Organic Carbon - TOC	mg/L (Note 1)	yearly	1	360
Total Petroleum Hydrocarbons	mg/L (Note 1)	yearly	1	1.9
Total Phenolics	mg/L (Note 1)	yearly	1	<0.05
Total Suspended Solids	mg/L (Note 1)	yearly	1	18
Xylene	mg/L (Note 1)	yearly	1	<0.003
Zinc	mg/L (Note 1)	yearly	1	0.008
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) µS/cm (microsiemens per centimetre)			

<b>Monitoring Location (EPA Point 5)</b>		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 5)</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	270
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.06
pH	pH	Quarterly	1	7.4
Potassium	mg/L (Note 2)	Quarterly	1	1.4
Redox potential	mV (Note 4)	Quarterly	1	260
Total dissolved solids	mg/L (Note 2)	Quarterly	1	180
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.4
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 6)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 6)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Explanatory Notes	This site could not be sampled on this monitoring run due to site works at the monitoring location.			
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	310
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.8
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 2)	Quarterly	1	5.0
Redox potential	mV (Note 4)	Quarterly	1	250
Total dissolved solids	mg/L (Note 2)	Quarterly	1	170
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.6
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	330
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	6.4
Redox potential	mV (Note 4)	Quarterly	1	270
Total dissolved solids	mg/L (Note 2)	Quarterly	1	190
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.6
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	350
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	6.6
Redox potential	mV (Note 4)	Quarterly	1	270
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.5
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	4100
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	5.9
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	1000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	310.00
pH	pH	Quarterly	1	8.3
Potassium	mg/L (Note 2)	Quarterly	1	160.0
Redox potential	mV (Note 4)	Quarterly	1	180
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1900
Total organic carbon	mg/L (Note 2)	Quarterly	1	130.0
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	480
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	1300
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.87
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	11.0
Redox potential	mV (Note 4)	Quarterly	1	250
Total dissolved solids	mg/L (Note 2)	Quarterly	1	320
Total organic carbon	mg/L (Note 2)	Quarterly	1	11.0
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
Conductivity	µS/cm (Note 1)	Quarterly	1	370
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	13.0
Redox potential	mV (Note 4)	Quarterly	1	320
Total dissolved solids	mg/L (Note 2)	Quarterly	1	300
Total organic carbon	mg/L (Note 2)	Quarterly	1	14.0
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 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	490
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.8
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.1
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	260
Total dissolved solids	mg/L (Note 2)	Quarterly	1	260
Total organic carbon	mg/L (Note 2)	Quarterly	1	11.0
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 16)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 16)</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
Aluminium	mg/L (Note 1)	Yearly	1	0.06
Arsenic	mg/L (Note 1)	Yearly	1	<0.001
Barium	mg/L (Note 1)	Yearly	1	0.09
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	2.6
Chloride	mg/L (Note 1)	Quarterly	1	70
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.002
Cobalt	mg/L (Note 1)	Yearly	1	0.008
Copper	mg/L (Note 1)	Yearly	1	0.004
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	0.018
Magnesium	mg/L (Note 1)	Quarterly	1	9.6
Manganese	mg/L (Note 1)	Yearly	1	0.86
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.02
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	5.6
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	1.3
Sodium	mg/L (Note 1)	Quarterly	1	46
Standing Water Level (TOC)	metres	Quarterly	1	17.323
Standing Water Level (m AHD)	metres	NA	NA	99.087
Sulfate	mg/L (Note 1)	Quarterly	1	6.1
Toluene	mg/L (Note 1)	Yearly	1	<0.001

## Quarterly + Yearly Summary of EPA Monitoring Data

Total dissolved solids	mg/L (Note 1)	Quarterly	1	370
Total organic carbon	mg/L (Note 1)	Quarterly	1	11
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<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	0.13
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

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	27
Aluminium	mg/L (Note 1)	Yearly	1	0.64
Arsenic	mg/L (Note 1)	Yearly	1	0.001
Barium	mg/L (Note 1)	Yearly	1	0.07
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	2.7
Chloride	mg/L (Note 1)	Quarterly	1	72
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.002
Cobalt	mg/L (Note 1)	Yearly	1	0.007
Copper	mg/L (Note 1)	Yearly	1	0.002
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	0.004
Magnesium	mg/L (Note 1)	Quarterly	1	9.1
Manganese	mg/L (Note 1)	Yearly	1	0.74
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.06
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	6.5

## Quarterly + Yearly Summary of EPA Monitoring Data

Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	2.0
Sodium	mg/L (Note 1)	Quarterly	1	52
Standing Water Level (TOC)	metres	Quarterly	1	7.540
Standing Water Level (m AHD)	metres	NA	NA	62.270
Sulfate	mg/L (Note 1)	Quarterly	1	29
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	290
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<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	0.026
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 18)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 18)</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	290
Aluminium	mg/L (Note 1)	Yearly	1	<0.05
Arsenic	mg/L (Note 1)	Yearly	1	0.003
Barium	mg/L (Note 1)	Yearly	1	0.33
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	15
Chloride	mg/L (Note 1)	Quarterly	1	180
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.004
Cobalt	mg/L (Note 1)	Yearly	1	0.017
Copper	mg/L (Note 1)	Yearly	1	0.003
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	0.010

## Quarterly + Yearly Summary of EPA Monitoring Data

Magnesium	mg/L (Note 1)	Quarterly	1	32
Manganese	mg/L (Note 1)	Yearly	1	8.8
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	36
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	6.6
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	32
Sodium	mg/L (Note 1)	Quarterly	1	140
Standing Water Level (TOC)	metres	Quarterly	1	15.054
Standing Water Level (m AHD)	metres	NA	NA	80.326
Sulfate	mg/L (Note 1)	Quarterly	1	59
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	1100
Total organic carbon	mg/L (Note 1)	Quarterly	1	51
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<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	0.039
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	470
Aluminium	mg/L (Note 1)	Yearly	1	0.12
Arsenic	mg/L (Note 1)	Yearly	1	0.002
Barium	mg/L (Note 1)	Yearly	1	0.40
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002



## Quarterly + Yearly Summary of EPA Monitoring Data

Calcium	mg/L (Note 1)	Quarterly	1	64
Chloride	mg/L (Note 1)	Quarterly	1	240
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.004
Cobalt	mg/L (Note 1)	Yearly	1	0.001
Copper	mg/L (Note 1)	Yearly	1	0.002
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	0.003
Magnesium	mg/L (Note 1)	Quarterly	1	32
Manganese	mg/L (Note 1)	Yearly	1	0.82
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	44
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	6.4
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	71
Sodium	mg/L (Note 1)	Quarterly	1	160
Standing Water Level (TOC)	metres	Quarterly	1	3.721
Standing Water Level (m AHD)	metres	NA	NA	61.359
Sulfate	mg/L (Note 1)	Quarterly	1	10
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	1600
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<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	0.023
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

## Quarterly + Yearly Summary of EPA Monitoring Data

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	31
Aluminium	mg/L (Note 1)	Yearly	1	<0.05
Arsenic	mg/L (Note 1)	Yearly	1	0.002
Barium	mg/L (Note 1)	Yearly	1	0.15
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	1.9
Chloride	mg/L (Note 1)	Quarterly	1	39
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.001
Cobalt	mg/L (Note 1)	Yearly	1	0.002
Copper	mg/L (Note 1)	Yearly	1	0.003
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	<0.001
Magnesium	mg/L (Note 1)	Quarterly	1	5.1
Manganese	mg/L (Note 1)	Yearly	1	0.51
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.02
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.01
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	7.4
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	1.1
Sodium	mg/L (Note 1)	Quarterly	1	26
Standing Water Level (TOC)	metres	Quarterly	1	21.575
Standing Water Level (m AHD)	metres	NA	NA	100.055
Sulfate	mg/L (Note 1)	Quarterly	1	<2

## Quarterly + Yearly Summary of EPA Monitoring Data

Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	130
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	<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	0.035
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
<b>Monitoring Location (EPA Point 21)</b>		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)</i>		
<b>Pollutant</b>	<b>Units of measure</b>	<b>Monitoring frequency required by licence</b>	<b>No. of times measured during quarter/year</b>	<b>Value</b>
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	<5
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			