

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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 2017 - 31 March 2017						
Date Published	14 April 2017						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>						
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>						
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)	4	<5	<5	<5	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	9	0.09	0.8	1	no
pH	pH units	Daily during any discharge	5	7.20	7.65	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	8	5	26	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)	3	< 5	20	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	9	< 0.01	0.53	1	no
pH	pH units	Daily during any discharge	5	6.64	8.40	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	5	7	21	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 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	47	47	20	yes (Note 3)
pH	pH units	Daily during any discharge	1	7.70	7.70	6.5 - 8.5	no

Monthly Summary of EPA  
Monitoring Data continued.

Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) - Refer To Exceedance Table for more information
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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	7	< 5	6.1	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	27	0.08	0.95	1	no
pH	pH	Daily during any discharge	14	6.97	7.70	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	12	13	170 (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. A total of 352mm rainfall was recorded for the month of March 2017.						
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 <b>be greater than</b> the Lower Limit specified						

Monthly Summary of EPA Monitoring Data (No Licence Limits)



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Monitoring Period	01 March 2017 - 31 March 2017						
Date Published	14 April 2017						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>						
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>						
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	335	366	347	402
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	4	121	180	193	214
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	630	630	630	630
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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 month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	14	241	324	333	377
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 22)	<i>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)</i>						
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)	410.1	411.0	464.0
Explanatory Notes	(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero value due to power outage at site or utility on .11th March 2017 for ~0.5 hour. Flare restarted remotely.						

Quarterly + Yearly Summary of EPA Monitoring Data



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Monitoring Period	December 2016 - March 2017 (Quarterly) + March 2016 - March 2017 (Yearly).			
Date Published	14 April 2017			
EPA Licence No.	13091			
EPA Licence Hyperlink	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=71945&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=71945&amp;SYSUID=1&amp;LICID=13091</a>			
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	2000
Aluminium	mg/L (Note 1)	yearly	1	< 0.05
Arsenic	mg/L (Note 1)	yearly	1	0.012
Barium	mg/L (Note 1)	yearly	1	1
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	150
Chloride	mg/L (Note 1)	yearly	1	470
Chromium (hexavalent)	mg/L (Note 1)	yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	yearly	1	0.048
Cobalt	mg/L (Note 1)	yearly	1	0.006
Conductivity	mg/L (Note 1)	yearly	1	4900
Copper	mg/L (Note 1)	yearly	1	0.001
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	62
Manganese	mg/L (Note 1)	yearly	1	0.24
Mercury	mg/L (Note 1)	yearly	1	< 0.0001
Nitrate + Nitrite (oxidised nitrogen)	mg/L (Note 1)	yearly	1	0.5
Nitrogen (Ammonia)	mg/L (Note 1)	yearly	1	240
Organochlorine pesticides OCP's	mg/L (Note 1)	yearly	1	< 0.01
Organophosphate pesticides OP's	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	9.6
Polycyclic aromatic hydrocarbons PAHs	mg/L (Note 1)	yearly	1	< 0.001
Potassium	mg/L (Note 1)	yearly	1	170
Sodium	mg/L (Note 1)	yearly	1	320
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	63
Toluene	mg/L (Note 1)	yearly	1	< 0.001
Total Dissolved Solids - TDS	mg/L (Note 1)	yearly	1	2200
Total Organic Carbon - TOC	mg/L (Note 1)	yearly	1	58
Total Petroleum Hydrocarbons - TPH	mg/L (Note 1)	yearly	1	1.13
Total Phenolics	mg/L (Note 1)	yearly	1	< 0.05
Total Suspended Solids	mg/L (Note 1)	yearly	1	34
Xylene	mg/L (Note 1)	yearly	1	< 0.003
Zinc	mg/L (Note 1)	yearly	1	0.26
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 carbonate)	mg/L (Note 1)	Quarterly	1	33
Calcium	mg/L (Note 1)	Quarterly	1	3.5
Chloride	mg/L (Note 1)	Quarterly	1	88
Magnesium	mg/L (Note 1)	Quarterly	1	8.6
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.09
pH	pH units	Quarterly	1	5.8
Potassium	mg/L (Note 1)	Quarterly	1	1.1
Sodium	mg/L (Note 1)	Quarterly	1	38
Depth To Water from (TOC)	metres	Quarterly	1	16.93
Standing Water Level (m AHD)	metres	NA	NA	99.48
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	200
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
Aluminium	mg/L (Note 1)	Yearly	1	< 0.05
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
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	< 0.001
Cobalt	mg/L (Note 1)	Yearly	1	0.013
Copper	mg/L (Note 1)	Yearly	1	< 0.001
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
Manganese	mg/L (Note 1)	Yearly	1	0.86
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	< 0.05
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 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	0.016
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 carbonate)	mg/L (Note 1)	Quarterly	1	34
Calcium	mg/L (Note 1)	Quarterly	1	3
Chloride	mg/L (Note 1)	Quarterly	1	74
Magnesium	mg/L (Note 1)	Quarterly	1	8.3
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.1
pH	pH units	Quarterly	1	6.2
Potassium	mg/L (Note 1)	Quarterly	1	2
Sodium	mg/L (Note 1)	Quarterly	1	39
Depth To Water from TOC	metres	Quarterly	1	7.1
Standing Water Level (AHD)	metres	NA	NA	62.71
Sulfate	mg/L (Note 1)	Quarterly	1	25
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
Aluminium	mg/L (Note 1)	Yearly	1	0.43
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
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	< 0.001
Cobalt	mg/L (Note 1)	Yearly	1	0.007
Copper	mg/L (Note 1)	Yearly	1	< 0.001
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	0.77
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 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 18)		Please refer to the map, <i>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	12
Chloride	mg/L (Note 1)	Quarterly	1	300
Magnesium	mg/L (Note 1)	Quarterly	1	32
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	49
pH	pH units	Quarterly	1	6.7
Potassium	mg/L (Note 1)	Quarterly	1	38
Sodium	mg/L (Note 1)	Quarterly	1	150
Depth To Water From TOC	metres	Quarterly	1	13.62
Standing Water Level (AHD)	metres	NA	NA	81.76
Sulfate	mg/L (Note 1)	Quarterly	1	35
Total dissolved solids	mg/L (Note 1)	Quarterly	1	770
Total organic carbon	mg/L (Note 1)	Quarterly	1	39
Aluminium	mg/L (Note 1)	Yearly	1	< 0.05
Arsenic	mg/L (Note 1)	Yearly	1	0.001
Barium	mg/L (Note 1)	Yearly	1	0.89
Benzene	mg/L (Note 1)	Yearly	1	< 0.001
Cadmium	mg/L (Note 1)	Yearly	1	< 0.0002
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	0.001
Cobalt	mg/L (Note 1)	Yearly	1	0.017
Copper	mg/L (Note 1)	Yearly	1	< 0.001
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	0.002
Manganese	mg/L (Note 1)	Yearly	1	12
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.05
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 Hydrocarbons	mg/L (Note 1)	Yearly	1	0.38
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	0.013
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Monitoring Location (EPA Point 19)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 19)		
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	140
Calcium	mg/L (Note 1)	Quarterly	1	23
Chloride	mg/L (Note 1)	Quarterly	1	210
Magnesium	mg/L (Note 1)	Quarterly	1	13
Nitrogen	mg/L (Note 1)	Quarterly	1	0.11
pH	pH units	Quarterly	1	6.4
Potassium	mg/L (Note 1)	Quarterly	1	37
Sodium	mg/L (Note 1)	Quarterly	1	76
Depth To Water below TOC	metres	Quarterly	1	3.27
Standing Water Level (above AHD)	metres	NA	NA	61.81
Sulfate	mg/L (Note 1)	Quarterly	1	39
Total dissolved solids	mg/L (Note 1)	Quarterly	1	560
Total organic carbon	mg/L (Note 1)	Quarterly	1	19
Aluminium	mg/L (Note 1)	Yearly	1	< 0.05
Arsenic	mg/L (Note 1)	Yearly	1	< 0.001
Barium	mg/L (Note 1)	Yearly	1	0.1
Benzene	mg/L (Note 1)	Yearly	1	< 0.001
Cadmium	mg/L (Note 1)	Yearly	1	< 0.0002
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
Chromium (total)	mg/L (Note 1)	Yearly	1	0.002
Cobalt	mg/L (Note 1)	Yearly	1	< 0.001
Copper	mg/L (Note 1)	Yearly	1	< 0.001
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
Manganese	mg/L (Note 1)	Yearly	1	0.2
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.11
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 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	0.006
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 carbonate)	mg/L (Note 1)	Quarterly	1	36
Calcium	mg/L (Note 1)	Quarterly	1	1.6
Chloride	mg/L (Note 1)	Quarterly	1	40
Magnesium	mg/L (Note 1)	Quarterly	1	4.7
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.03
pH	pH units	Quarterly	1	6.4
Potassium	mg/L (Note 1)	Quarterly	1	0.9
Sodium	mg/L (Note 1)	Quarterly	1	20
Depth To Water Below TOC	metres	Quarterly	1	3.27
Standing Water Level (above AHD)	metres	NA	1	118.36
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	140
Total organic carbon	mg/L (Note 1)	Quarterly	1	18
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	0.15
Benzene	mg/L (Note 1)	Yearly	1	< 0.001
Cadmium	mg/L (Note 1)	Yearly	1	< 0.0002
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	< 0.001
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	< 0.001
Ethylbenzene	mg/L (Note 1)	Yearly	1	0.002
Fluoride	mg/L (Note 1)	Yearly	1	< 0.001
Lead	mg/L (Note 1)	Yearly	1	< 0.001
Manganese	mg/L (Note 1)	Yearly	1	0.52
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.07
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 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	0.009
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

## Exceedance Table



*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 2017 - 31 March 2017						
Date Published	14 April 2017						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 3)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , 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	1	47	47	20	yes (Note 2)
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) High monthly rainfall attributed to singular overflow event from contact water dam in vegetation processing area (VPA) resulting in high BOD in EPA Point 3. In order to minimise recurrence of this exceedance Kimbriki has embarked on a project to: <ul style="list-style-type: none"> <li>• Avoidance of overflow from western dam by increasing the capacity of the dam in the VPA</li> <li>• Upgrade leachate management system within VPA</li> <li>• Aeration of Eastern Dam in VPA</li> </ul>						