

Monthly Summary of EPA Monitoring Data with 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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	Sep-17						
Date Published	16 October 2017						
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	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)						
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)						
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)						
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	Exceed-ance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	6	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	6	0.01	0.46	1	no
pH	pH	Daily during any discharge	6	7.10	7.19	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	6	3.3	11	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						

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Monitoring Location (EPA Point 22)		Enclosed Ground Level Flare in the North-Eastern corner of the Premises. Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , 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)	Exceed-ance (yes/no)
Residence Time	seconds	Continuous	Continuous	0.9	1.0	0.6	No
Temperature	°C (Note 1)	Continuous	Continuous	784.1	809.6	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 continued.



Monthly Summary of EPA Monitoring Data - No Limit

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Monitoring Period	Sep-17						
Date Published	16 October 2017						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUI D=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	Mean value	Median value	Max. value
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>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
Monitoring Location (EPA Point 3)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)</i>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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	3	742	763	796	636
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.</i>						

Monthly Summary of EPA
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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)	361	371	391
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1.Flame failure occurred on 5th September 2017 for 21.0 hours due to issue with LPG bottle. LPG bottle was replaced.						

Monthly Summary of EPA
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Quarterly Summary of EPA Monitoring Data - No Limits



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Monitoring Period	June 2017 - September 2017. Surface water sampled 18 September 2017 and 29 September 2017. Groundwater sampled 18 September 2017.			
Date Published	16 October 2017			
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	PO BOX 196, 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	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Quarterly	1	7.8 (Note 2)
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) No flow - stagnant water sample due to dry weather			
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	Value
Explanatory Notes	No surface water available hence no flow at this monitoring point during the month due to dry weather			

Monthly Summary of EPA
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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	Value
Explanatory Notes	No surface water available hence no flow at this monitoring point during the month due to dry weather			
Monitoring Location (EPA Point 10) Leachate Dam		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 10)</i>		
Pollutant	Units of measure	Monitoring	No. of times	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	6400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	24000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	360
pH	pH	Quarterly	1	8
Potassium	mg/L (Note 2)	Quarterly	1	260
Redox potential	mV (Note 4)	Quarterly	1	170
Total dissolved solids	mg/L (Note 2)	Quarterly	1	2000
Total organic carbon	mg/L (Note 2)	Quarterly	1	260
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)			

Monthly Summary of EPA
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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	No. of times	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	290
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	56
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.3
Potassium	mg/L (Note 2)	Quarterly	1	2.7
Redox potential	mV (Note 4)	Quarterly	1	230
Total dissolved solids	mg/L (Note 2)	Quarterly	1	150
Total organic carbon	mg/L (Note 2)	Quarterly	1	< 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)			
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	No. of times	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	660
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	70
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	2.7
pH	pH	Quarterly	1	8
Potassium	mg/L (Note 2)	Quarterly	1	11
Redox potential	mV (Note 4)	Quarterly	1	180
Total dissolved solids	mg/L (Note 2)	Quarterly	1	360
Total organic carbon	mg/L (Note 2)	Quarterly	1	17
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)			

Monthly Summary of EPA
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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	No. of times	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	700
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	220
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.9
pH	pH	Quarterly	1	7.2
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	210
Total dissolved solids	mg/L (Note 2)	Quarterly	1	410
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)			
Monitoring Location (EPA Point 3/12) <i>Holding pond - no discharge from site.</i>		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3/12). Please refer to Note 5 also.</i>		
Pollutant	Units of measure	Monitoring	No. of times	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	810
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	290
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	3.9
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	30
Redox potential	mV (Note 4)	Quarterly	1	170
Total dissolved solids	mg/L (Note 2)	Quarterly	1	460
Biochemical oxygen	mg/L (Note 2)	Quarterly	1	5.9
Total organic carbon	mg/L (Note 2)	Quarterly	1	27
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) (Note 5) This monitoring point is a holding pond with no discharge from site			

Monthly Summary of EPA
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Monitoring Location (EPA Point 5)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 5)</i>		
Pollutant	Units of measure	Monitoring	No. of times	Value
Explanatory Notes	(Note 1) $\mu\text{S}/\text{cm}$ (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres)			
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	No. of times	Value
Conductivity	$\mu\text{S}/\text{cm}$ (Note 1)	Quarterly	1	740
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	5500
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.38
pH	pH	Quarterly	1	8.2
Potassium	mg/L (Note 2)	Quarterly	1	13
Redox potential	mV (Note 4)	Quarterly	1	160
Total dissolved solids	mg/L (Note 2)	Quarterly	1	330
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
Explanatory Notes	(Note 1) $\mu\text{S}/\text{cm}$ (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 14)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 14)</i>		
Explanatory Notes	No surface water available hence no flow at this monitoring point during the month due to dry weather			

Monthly Summary of EPA
Monitoring Data continued.

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	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	920
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	5.3
pH	pH	Quarterly	1	7.4
Potassium	mg/L (Note 2)	Quarterly	1	18
Redox potential	mV (Note 4)	Quarterly	1	150
Total dissolved solids	mg/L (Note 2)	Quarterly	1	810
Total organic carbon	mg/L (Note 2)	Quarterly	1	17
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)			
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)	mg/L (Note 1)	Quarterly	1	32
Calcium	mg/L (Note 1)	Quarterly	1	2
Chloride	mg/L (Note 1)	Quarterly	1	90
Magnesium	mg/L (Note 1)	Quarterly	1	7.9
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.04
pH	pH	Quarterly	1	5.9
Potassium	mg/L (Note 1)	Quarterly	1	0.9
Sodium	mg/L (Note 1)	Quarterly	1	37
Standing Water Level	metres	Quarterly	1	99.725
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	13

Monthly Summary of EPA
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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	No. of times	Value
Alkalinity (as calcium	mg/L (Note 1)	Quarterly	1	< 20
Calcium	mg/L (Note 1)	Quarterly	1	2.5
Chloride	mg/L (Note 1)	Quarterly	1	92
Magnesium	mg/L (Note 1)	Quarterly	1	8.4
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.04
pH	pH	Quarterly	1	5.4
Potassium	mg/L (Note 1)	Quarterly	1	1.5
Sodium	mg/L (Note 1)	Quarterly	1	43
Standing Water Level	metres	Quarterly	1	62.306
Sulfate	mg/L (Note 1)	Quarterly	1	36
Total dissolved solids	mg/L (Note 1)	Quarterly	1	190
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
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	No. of times	Value
Alkalinity (as calcium	mg/L (Note 1)	Quarterly	1	430
Calcium	mg/L (Note 1)	Quarterly	1	13
Chloride	mg/L (Note 1)	Quarterly	1	330
Magnesium	mg/L (Note 1)	Quarterly	1	34
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	57
pH	pH	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	40
Sodium	mg/L (Note 1)	Quarterly	1	170
Standing Water Level	metres	Quarterly	1	81.505
Sulfate	mg/L (Note 1)	Quarterly	1	34
Total dissolved solids	mg/L (Note 1)	Quarterly	1	740
Total organic carbon	mg/L (Note 1)	Quarterly	1	63
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monthly Summary of EPA
Monitoring Data continued.

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	No. of times	Value
Alkalinity (as calcium	mg/L (Note 1)	Quarterly	1	190
Calcium	mg/L (Note 1)	Quarterly	1	31
Chloride	mg/L (Note 1)	Quarterly	1	290
Magnesium	mg/L (Note 1)	Quarterly	1	15
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	19
pH	pH	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	50
Sodium	mg/L (Note 1)	Quarterly	1	110
Standing Water Level below TOC	metres	Quarterly	1	61.095
Sulfate	mg/L (Note 1)	Quarterly	1	8.6
Total dissolved solids	mg/L (Note 1)	Quarterly	1	590
Total organic carbon	mg/L (Note 1)	Quarterly	1	35
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 20)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf,</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	40
Calcium	mg/L (Note 1)	Quarterly	1	1.6
Chloride	mg/L (Note 1)	Quarterly	1	45
Magnesium	mg/L (Note 1)	Quarterly	1	4.2
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	< 0.01
pH	pH	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	0.7
Sodium	mg/L (Note 1)	Quarterly	1	20
Standing Water Level	metres	Quarterly	1	100.28
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	130
Total organic carbon	mg/L (Note 1)	Quarterly	1	19
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monthly Summary of EPA
Monitoring Data continued.

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	No. of times	Value
Biochemical oxygen demand	mg/L (Note 1)	Quarterly	1	< 5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			