## 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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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 Pariod	01 Cantamb	er 2016 - 30 Se	ntomber 2016				
Monitoring Period  Date Published			preminer 2016				
EPA Licence No.	13 September 2016 13091						
EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID						
2.7. 2.0000, po	=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag	6, Terrey Hills, I	NSW 2084				
Monitoring Location (EPA	A Doint 1)	Dlagga rafar ta	the map, Kimb	ariki Manita	ring Sitos n	df for locatio	on (EDA 1)
Monitoring Location (EP)	A Point 1)	Pieuse rejer to	тие тир, кти	JIIKI WIOIIILOI	ing sites.p	uj, joi locutio	OII (EPA 1)
		Monitoring	No. of times			100	Exceed-
Pollutant	Units of	frequency	measured	Min. value	Max.	percentile	ance
	measure	required by licence	during <b>month</b>		value	limit	(yes/no)
Biochemical oxygen	mg/L	Special	2	< 5	< 5	20	no
demand	(Note 1)	Frequency 1		\ \ \	/ 3	20	110
		(Note 2)					
Nitrogen (ammonia)	mg/L	Daily during	2	0.23	0.38	1	no
	(Note 1)	any discharge					
рН	pН	Daily during	2	7.03	8.29	6.5 - 8.5	no
		any discharge					
Total suspended solids	mg/L	Daily during	2	6.9	9.2	50	no
	(Note 1)	any discharge					
Explanatory Notes		L (milligrams per		a tha finat day	- <b></b>	_	
	(Note 2) Spec	cial Frequency 1 -	Quarterly and or	n the first day	of discharge	9	
Monitoring Location (EPA	A Point 2)	Please refer to	the map, Kimb	oriki Monito	rina Sites.p	df. for locatio	on <b>(EPA 2)</b>
					mg orteo.p	aj, jo. locatio	, (=, <u>-</u> ,
Explanatory Notes	There were n	o discharges fror	n this point durin	g the month			
Monitoring Location (EP)	A Point 3)	Please refer to	the man Kimh	oriki Monito	rina Sites n	df. for locatio	on <b>(EPA 3)</b>
Wormering Education (E17)					mg orteo.p	aj, jo. locatio	, (2.7.0)
	Haita of	Monitoring	No. of times		D.4	100	Exceed-
Pollutant	Units of measure	frequency required by	measured	Min. value	Max. value	percentile	ance
	measure	licence	during <b>month</b>		value	limit	(yes/no)
Explanatory Notes	There were n	o discharges fror	n this point durin	g the month			
Monitoring Location (EPA	A Point 21)	-	the map, Kimb	oriki Monito	ring Sites.p	df, for locatio	on <b>(EPA</b>
		21)					
	Units of	Monitoring frequency	No. of times		Max.	100	Exceed-
Pollutant	measure	required by	measured	Min. value	value	percentile	ance
		licence	during <b>month</b>			limit	(yes/no)
Biochemical oxygen	mg/L	Special	1	< 5	< 5	20	no
demand	(Note 1)	Frequency 1					
Nitrogen (ammonia)	mg/L	(Note 2) Daily during	2	0.18	0.31	1	no
ranogen (annioilla)	(Note 1)	any discharge		0.10	0.31	1	110
		, , , , , , , , , , , , , , , , , , , ,					
рН	pН	Daily during	2	6.93	7.08	6.5 - 8.5	no
		any discharge					
Tatal access on the Co. 197		Datte day	2	40	45	50	
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	13	15	50	no
	(NOTE 1)	any discharge					
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 22) Enclosed Ground Level Flare in the North-Eastern corner of the Premises.							
		Monitoring					
D	Units of	frequency	No. of times	N 41:	Max.	Lower Limit	Exceed-
Parameter	measure	required by	measured	Min. value	value	(Note 2)	ance (ves/po)
		licence	during <b>month</b>				(yes/no)
Temperature	°C (Note 1)	Continuous	Continuous	791	808	760	no
	(Note 1) °C (d	legrees Calsius)					
Explanatory Notes (Note 1) °C (degrees Celsius) (Note 2) The parameter value must <i>be greater than</i> the Lower Limit specified							

## **Monthly Summary of EPA Monitoring Data (without limits)**



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## **Quarterly Summary of EPA Monitoring Data**



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Monitoring Period	June 2016 - September 2016				
Date Published	13 October 2016				
EPA Licence No.	13091				
EPA Licence Hyperlink	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?D				
El / Licence Tryperiink	OCID=30667&SYSUID=1&LICID=13091				
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED				
			DES PIT LIIVIIIED		
Licensee Address	Locked Bag 6, Terrey		o man Kimbriki M	lanitaring Citas adf	
Monitoring Location (EP)	A Point 5)	for location <b>(EPA</b>	• •	Ionitoring Sites.pdf,	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	420	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	340	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	< 0.01	
рН	pН	Quarterly	1	8.3	
Potassium	mg/L (Note 2)	Quarterly	1	1.6	
Redox potential	mV (Note 4)	Quarterly	1	(+) 210	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	180	
Total organic carbon	mg/L (Note 2)	Quarterly	1	< 5	
Explanatory Notes	(Note 1) μS/cm (microsi (Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ns per litre) blony forming units	per 100 millilitres)		
Monitoring Location (EPA	A Point 6)	for location (EPA	• •	lonitoring Sites.pdf,	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	350	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	58	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01	
рН	pН	Quarterly	1	8.5	
Potassium	mg/L (Note 2)	Quarterly	1	1.8	
Redox potential	mV (Note 4)	Quarterly	1	200	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	170	
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 (EP)	A Point 7)	for location <b>(EPA</b>	• •	lonitoring Sites.pdf,	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	540	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	41	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	< 0.01	
pH Potassium	pH	Quarterly	1 1	8.5 16	
	mg/L (Note 2) mV (Note 4)	Quarterly	1	200	
Redox potential Total dissolved solids	mV (Note 4) mg/L (Note 2)	Quarterly Quarterly	1	290	
Total organic carbon		•			
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 (EP	A Point 8)	Please refer to th for location <b>(EPA</b>	e map, Kimbriki M . <b>8)</b>	onitoring Sites.pdf	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	440	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	200	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.79	
oH	рН	Quarterly	1	8.9	
Potassium	mg/L (Note 2)	Quarterly	1	8.3	
Redox potential	mV (Note 4)	Quarterly	1	190	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	200	
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.2	
Explanatory Notes	(Note 1) μS/cm (microsi (Note 2) mg/L (milligran (Note 3) org/100 mL (cc (Note 4) mV (millivolts)	ns per litre) Nony forming units	per 100 millilitres)		
Monitoring Location (EP	A Point 9)		e map, Kimbriki M	onitoring Sites.pdf	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		for location <b>(EPA</b>	9)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	440	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	310	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.73	
oH	pH	Quarterly	1	8.5	
Potassium	mg/L (Note 2)	Quarterly	1	8	
Redox potential	mV (Note 4)	Quarterly	1	200	
Total dissolved solids	. ` '	Quarterly	1	220	
Total organic carbon	mg/L (Note 2) mg/L (Note 2)	Quarterly	1	6.5	
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 <b>(EP</b> Holding pond - no discha			<i>e map, Kimbriki M</i> 1 <b>0).</b> Please refer t		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	4500	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.7	
aecal Coliforms	org/100 mL (Note3)	Quarterly	1	96	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	290	
oH	рН	Quarterly	1	8.3	
Potassium	mg/L (Note 2)	Quarterly	1	170	
Redox potential	mV (Note 4)	Quarterly	1	230	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1700	
Total organic carbon		,			
Explanatory Notes	mg/L (Note 2) Quarterly 1 200  (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				

Monitoring Location (EPA Point 1/11) (Note 5)  Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1/11)					
Explanatory Notes Sample could not be collected as there was no water at this location.					
Monitoring Location (EPA 5)	<b>A Point 3/12)</b> (Note	Please refer to th for location <b>(EPA</b>	•	lonitoring Sites.pdf,	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value (note 5)	
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	< 5	
Conductivity	μS/cm (Note 1)	Quarterly	1	370	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1300	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.4	
pH	pH	Quarterly	1	8.3	
Potassium	mg/L (Note 2)	Quarterly	1	18	
Redox potential	mV (Note 4)	Quarterly	1	200	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	230	
Total organic carbon	mg/L (Note 2)	Quarterly	1	< 25	
Explanatory Notes	(Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts) (Note 5) The surface water at this monitoring point was not in a state of flow and was contained within a holding pond				
Monitoring Location (EPA	A Point 13)	Please refer to th for location <b>(EPA</b>		Ionitoring Sites.pdf,	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	450	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.9	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	310	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.41	
рН	рН	Quarterly	1	8.7	
Potassium	mg/L (Note 2)	Quarterly	1	9	
Redox potential	mV (Note 4)	Quarterly	1	180	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	220	
Total organic carbon	mg/L (Note 2)	Quarterly	1	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)				

Monitoring Location (EP/	A Point 14)	Please refer to th	•	onitoring Sites.pdf,	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	570	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1300	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.75	
рН	рН	Quarterly	1	8.3	
Potassium	mg/L (Note 2)	Quarterly	1	28	
Redox potential	mV (Note 4)	Quarterly	1	200	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	300	
Total organic carbon	mg/L (Note 2)	Quarterly	1	< 25	
Explanatory Notes	(Note 1) μS/cm (micros (Note 2) mg/L (milligrar (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ns per litre) blony forming units	per 100 millilitres)		
Monitoring Location (EPA	A Point 15)	Please refer to th	e map, Kimbriki M	onitoring Sites.pdf,	
Worldoning Location (LF)	4 F OIII ( 15)	for location <b>(EPA</b>	15)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value	
Conductivity	μS/cm (Note 1)	Quarterly	1	490	
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3	
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	330	
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.6	
рН	рН	Quarterly	1	8.1	
Potassium	mg/L (Note 2)	Quarterly	1	13	
Redox potential	mV (Note 4)	Quarterly	1	190	
Total dissolved solids	mg/L (Note 2)	Quarterly	1	250	
Total organic carbon	mg/L (Note 2)	Quarterly	1	10	
Explanatory Notes	(Note 1) μS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre)				
Monitoring Location (EPA	<b>A Point 21)</b> (Note 5)	Please refer to th for location <b>(EPA</b>		onitoring Sites.pdf,	
Explanatory Notes	Explanatory Notes Could not be sampled as there was no water at this location.				
Monitoring Location (EPA Point 2) (Note 5)  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 <b>quarter</b>	Value	
Biochemical oxygen demand	mg/L (Note 1)	Quarterly	1	< 5	
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 5) The surface water at this monitoring point was not in a state of flow and was contained with a wetland polishing pond				

Monitoring Location (EPA Point 16)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location <b>(EPA 16)</b>			
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	44	
Calcium	mg/L (Note 1)	Quarterly	1	2.2	
Chloride	mg/L (Note 1)	Quarterly	1	88	
Magnesium	mg/L (Note 1)	Quarterly	1	9.5	
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.05	
pH	рН	Quarterly	1	6.7	
Potassium	mg/L (Note 1)	Quarterly	1	1	
Sodium	mg/L (Note 1)	Quarterly	1	38	
Standing Water Level (below TOC)	metres	Quarterly	1	16.84	
Standing Water Level (AHD)	metres	Not required	Not required	99.57	
Sulfate	mg/L (Note 1)	Quarterly	1	< 5	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	180	
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5	
Explanatory Notes	(Note 1) mg/L (milligran	ms per litre)			
Monitoring Location (EPA Point 17)  Please refer to the map, Kimbriki Monitoring Site 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	< 20	
Calcium	mg/L (Note 1)	Quarterly	1	3.9	
Chloride	mg/L (Note 1)	Quarterly	1	76	
Magnesium	mg/L (Note 1)	Quarterly	1	9.8	
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.03	
рН	рН	Quarterly	1	6.8	
Potassium	mg/L (Note 1)	Quarterly	1	2.2	
Sodium	mg/L (Note 1)	Quarterly	1	42	
Standing Water Level (below TOC)	metres	Quarterly	1	5.93	
Standing Water Level (AHD)	metres	Not required	Not required	63.88	
Sulfate	mg/L (Note 1)	Quarterly	1	35	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	190	
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 25	

Monitoring Location (EP	A Point 18)	Please refer to the for location <b>(EPA</b>	•	onitoring Sites.pdf,
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	410
carbonate) Calcium	mg/L (Note 1)	Quarterly	1	13
Chloride	mg/L (Note 1)	Quarterly	1	290
Magnesium	mg/L (Note 1)	Quarterly	1	36
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	50
рН	рН	Quarterly	1	7.5
Potassium	mg/L (Note 1)	Quarterly	1	41
Sodium	mg/L (Note 1)	Quarterly	1	160
Standing Water Level below TOC	metres	Quarterly	1	13.47
Standing Water Level (AHD)	metres	Not required	Not required	81.91
Sulfate	mg/L (Note 1)	Quarterly	1	38
Total dissolved solids	mg/L (Note 1)	Quarterly	1	760
Total organic carbon	mg/L (Note 1)	Quarterly	1	56
Explanatory Notes	(Note 1) mg/L (milligran			
Monitoring Location (EP	A Point 19)		ne map, Kimbriki M	onitoring Sites.pdf,
(===	,	for location (EPA	l <i>19)</i>	
		Monitoring frequency	No. of times	
Pollutant	Units of measure	required by	measured during	Value
		licence	quarter/year	
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	140
Calcium	mg/L (Note 1)	Quarterly	1	29
Chloride	mg/L (Note 1)	Quarterly	1	220
Magnesium	mg/L (Note 1)	Quarterly	1	15
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	13
pH Data asiwas	pH	Quarterly	1	7.2
Potassium Sodium	mg/L (Note 1) mg/L (Note 1)	Quarterly Quarterly	1 1	47 89
Standing Water Level below TOC	metres	Quarterly	1	2.22
Standing Water Level (AHD)	metres	Not required	Not required	62.86
Sulfate	mg/L (Note 1)	Quarterly	1	9.8
Total dissolved solids	mg/L (Note 1)	Quarterly	1	540
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 25
Explanatory Notes	(Note 1) mg/L (milligrar	ns per litre)		
		Please refer to th	ne map, Kimbriki M	onitoring Sites.pdf,
Monitoring Location (EP	A Point 20)	for location <b>(EPA</b>	• •	3 , ,,
		Monitoring	No. of times	
Pollutant	Units of measure	frequency	measured during	Value
		required by	quarter/year	0.0.0
Alkalinity (as calcium	mg/L (Note 1)	licence Quarterly	1	28
carbonate) Calcium	mg/L (Note 1)	Quarterly	1	1.6
Chloride	mg/L (Note 1)	Quarterly	1	40
Magnesium	mg/L (Note 1)	Quarterly	1	4.9
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	< 0.01
рН	рН	Quarterly	1	6.5
Potassium	mg/L (Note 1)	Quarterly	1	0.9
Sodium	mg/L (Note 1)	Quarterly	1	20
Standing Water Level	metres	Quarterly	1	21.34
below TOC Standing Water Level (AHD)	metres	Not required	Not required	100.29
	mg/L (Note 1)	Quarterly	1	< 5
Sulfate		~~~~~		
Sulfate Total dissolved solids	mg/L (Note 1)	Quarterly	1	100
	mg/L (Note 1) mg/L (Note 1)	Quarterly Quarterly	1 1	100 14