#### **Monthly Summary of EPA Monitoring Data**



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Monitoring Period	01 March 2015 -	31 March 2015					
Date Published	14 April 2015						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.epa.	nsw.gov.au/prpc	eoapp/ViewPOEOLi	cence.aspx?	DOCID=325	04&SYSUID=	1&LICID=13
	<u>091</u>						
Licensee Name	KIMBRIKI ENVIRC	NMENTAL ENTE	RPRISES PTY LIMITED	)			
Licensee Address	Locked Bag 6, Te	rrey Hills, NSW 2	084				
Monitoring Location (EP	A Point 1)	Please refer to t	he map, Kimbriki M	onitoring Sit	es.pdf, for	location (EP	4 1)
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>month</b>	Min. value	Max. value	100 percentile limit	Exceed- ance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	3	< 2	8.9	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	2	0.04	< 0.05	1	no
pH	рН	Daily during any discharge	2	6.7	7.0	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	26	260	50	yes (Note 3)
(Note 1) mg/L (milligrams per litre)  Explanatory Notes  (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) Refer to Exceedance Table for more information							

Monitoring Location (EPA	A 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 <b>month</b>	Min. value	Max. value	100 percentile limit	Exceed- ance (yes/no)	
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	2	5	8.8	20	no	
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.34	0.34	1	no	
рН	pH	Daily during any discharge	1	7.1	7.1	6.5 - 8.5	no	
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	160	160	50	yes (Note 3)	
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							

# Monthly Summary of EPA Monitoring Data continued.

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 <b>month</b>	Min. value	Max. value	100 percentile limit	Exceed- ance (yes/no)	
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	5	5	20	no	
	Explanatory Notes  (Note 1) mg/L (milligrams per litre) 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 <b>month</b>	Min. value	Max. value	100 percentile limit	Exceed- ance (yes/no)	
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	9	< 2	8.3	20	no	
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	7	< 0.05	0.1	1	no	
рН	рН	Daily during any discharge	7	6.6	8.4	6.5 - 8.5	no	
Total suspended solids	mg/L (Note 1)	Daily during any discharge	7	5	38	50	no	
Explanatory Notes	(Note 1) mg/L (mil (Note 2) Special Fr		erly and on the first da	y of discharg	e			

## Monthly Summary of EPA Monitoring Data continued.

Monitoring Location (FPA 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	frequency measured during Min. value Max. Limit (Note				Exceed- ance (yes/no)	
Temperature	°C (Note 1)	Continuous	Continuous	790	808.6	760	no
Explanatory Notes	, , , ,	1) °C (degrees Celsius) 2) The parameter value must <i>be greater than</i> the Lower Limit specified					

#### Monthly Summary of EPA Monitoring Data

#### **Exceedance Table**



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Monitoring Period	01 March 201	L5 - 31 March 20	015					
Date Published	14 April 2015	.4 April 2015						
EPA Licence No.	13091	3091						
EPA Licence Hyperlink	http://www.e =13091	tp://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID=1&LICID 13091						
Licensee Name	KIMBRIKI EN\	/IRONMENTAL I	ENTERPRISES	PTY LIMITED				
Licensee Address	Locked Bag 6,	ocked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA	Point 1)	Point 1) Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)						
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)		
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	25/03/2015	260	15		
Exceedance Information	While the 5 day cummulative rainfall at the time of this exceedance did not reach 62.1 mm (EPL 13091 L2.1) it did reach 26.5 mm. Erosion & sediment control activities continue to be carried out on both a routine and continual improvement basis as per recent correspondence with the EPA.							
Explanatory Notes	(Note 1) mg/L (Note 2) mm (r	(milligrams per li millimetres)	tre)					
Monitoring Location (EPA	Point 2)	Please refer to	the map, Kin	ıbriki Monitorin	g Sites.pdf, f	or location (EPA 2)		
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)		
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	25/03/2015	160	15		
Exceedance Information	tion While the 5 day cummulative rainfall at the time of this exceedance did not reach 62.1 mm (EPL 13091 L2.1) it did reach 26.5 mm. Erosion & sediment control activities continue to be carried out on both a routine and continual improvement basis as per recent correspondence with the EPA.							
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)							

#### **Monthly Summary of EPA Monitoring Data**



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Monitoring Period	01 March 201	01 March 2015 - 31 March 2015						
Date Published	14 April 2015							
EPA Licence No.	13091	13091						
EPA Licence Hyperlink		http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID= 1&LICID=13091						
Licensee Name	KIMBRIKI ENV	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084							
Monitoring Location (EPA	A Point 1)	Please refer to	the map, Kimb	riki Monitor	ing Sites.pa	lf, for locati	on <b>(EPA 1)</b>	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>month</b>	Min. value	Mean value	Median value	Max. value	
Conductivity	μS/cm (Note 1)	Daily during any discharge	2	343	383	383	423	
Explanatory Notes	(Note 1) μS/cm	(microsiemens p	er centimetre)					
Monitoring Location (EPA	A 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 <b>month</b>	Min. value	Mean value	Median value	Max. value	
Conductivity	μS/cm (Note 1)	Daily during any discharge	1	667	667	667	667	
Explanatory Notes	(Note 1) μS/cm	(microsiemens p	er centimetre)					
Monitoring Location (EPA	A Point 3)	Please refer to	the map, Kimb	riki Monitor	ing Sites.pa	lf, for locati	on <b>(EPA 3)</b>	
Explanatory Notes	No surface wate	er discharge occu	rred from this m	onitoring poi	nt during the	month.		
Monitoring Location (EP)	A Point 21)	Please refer to <b>21)</b>	the map, Kimb	riki Monitor	ing Sites.pa	lf, for locati	on <b>(EPA</b>	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>month</b>	Min. value	Mean value	Median value	Max. value	
Conductivity	μS/cm (Note 1)	Daily during any discharge	7	351	447	419	550	
Explanatory Notes	(Note 1) μS/cm	(microsiemens p	er centimetre)					
Monitoring Location (EP)	A Point 22)		nd Level Flare in	the North-	Eastern cori	ner of the Pr	emises.	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>month</b>	Min. value	Mean value	Median value	Max. value	
Volumetric flowrate	m <sup>3</sup> /h (Note 1)	Continuous	Continuous	0.0 (Note 2)	210.3	215.0	222.0	
Explanatory Notes	(Note 1) m³/h (cubic metres per hour) (Note 2) System shutdown on 2 Mar 15 for 5.0 hrs due to flame failure. Contractor had to come to site to restart. System shutdown on 18 Mar 15 for 5.0 hrs due to power supply outage. Contractor had come to site to restart.							

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



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For more details on publication of pollution monitoring data please refer to the NSW EPA Website, http://www.environment.nsw.gov.au/epa/index.htm

Monitoring Period	December 2014 - Marc	h 2015 (Quarterly) -	+ March 2014 - March 2	2015 (Yearly)			
Date Published	14 April 2015						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.environr	ment nsw gov au/	nrnoeoann/ViewPOF	OLicence asnx?[			
Er / Electrice Trypermix	OCID=30667&SYSUID		pripocouppy viewr oc	O Lice Heel as p. r. L			
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Licensee / taaress	Locked Bug o, Terrey	111113, 11311 2004					
Monitoring Location (EPA Holding Riser - no discha		Please refer to th Sites.pdf, for loca	e map, Kimbriki Moi ation <b>(EPA 4)</b>	nitoring			
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value			
Alkalinity (as calcium carbonate)	mg/L (Note 2)	yearly	1	2900			
Aluminium	mg/L (Note 2)	yearly	1	0.38			
Arsenic	mg/L (Note 2)	yearly	1	0.068			
Barium	mg/L (Note 2)	yearly	1	0.86			
Benzene	mg/L (Note 2)	yearly	1	< 0.02			
Cadmium	mg/L (Note 2)	yearly	1	< 0.0002			
Calcium	mg/L (Note 2)	yearly	1	170			
Chloride	mg/L (Note 2)	yearly	1	640			
Chromium (hexavalent)	mg/L (Note 2)	yearly	1	< 0.01			
Chromium (total)	mg/L (Note 2)	yearly	1	0.12			
Cobalt	mg/L (Note 2)	yearly	1	0.009			
Conductivity	mg/L (Note 2)	yearly	1	6800			
Copper	mg/L (Note 2)	yearly	1	0.003			
Ethylbenzene	mg/L (Note 2)	yearly	1	< 0.02			
Fluoride	mg/L (Note 2)	yearly	1	< 0.5			
_ead	mg/L (Note 2)	yearly	1	0.004			
Magnesium	mg/L (Note 2)	yearly	1	73			
Manganese	mg/L (Note 2)	yearly	1	0.25			
Mercury	mg/L (Note 2)	yearly	1	< 0.0001			
Nitrate + Nitrite	mg/L (Note 2)	yearly	1	< 0.5			
oxidised nitrogen)	mg/L (Note 2)	yearry	1	· 0.5			
Nitrogen (Ammonia)	mg/L (Note 2)	yearly	1	480.00			
Organochlorine	mg/L (Note 2)	yearly	1	400.00			
pesticides OCP's				< 0.001			
Organophosphate pesticides OP's	mg/L (Note 2)	yearly	1	0.000			
'	/h /h			< 0.002			
Ortho phosphate	mg/L (Note 2)	yearly	1	0.38			
oH (c )	mg/L (Note 2)	yearly	1	7.70			
Phosphorus (total)	mg/L (Note 2)	yearly	1	0.70			
Polycyclic aromatic	mg/L (Note 2)	yearly	1	0.002			
hydorcarbons PAHs Potassium	mg/L (Note 2)	vearly	1	0.002			
Sodium	_	yearly	1	220.00			
Standing Water Level (m	mg/L (Note 2) metres	yearly	1	420.00 In situ			
below TOC)		yearly					
Standing Water Level (m AHD)	metres	yearly	1	In situ			
Sulphate	mg/L (Note 2)	yearly	1	30			
Toluene	mg/L (Note 2)	yearly	1	< 0.02			
Total Dissolved Solids - TDS	mg/L (Note 2)	yearly	1	3000			
Total Organic Carbon -	mg/L (Note 2)	yearly	1	440			
Total Petroleum	mg/L (Note 2)	yearly	1	5.4			
Hydrocarbons - TPH	mg/L (Note 2)	yearry	1	5.4			
Total Phenolics	mg/L (Note 2)	yearly	1	0.47			
Total Suspended Solids	mg/L (Note 2)	yearly	1	26			
Xylene	mg/L (Note 2)	yearly	1	< 0.06			
Zinc	mg/L (Note 2)	yearly	1	0.024			
Explanatory Notes	(Note 1) mg/L (milligram (Note 2) μS/cm (micros (Note 3) This monitorin site.	iemens per centime	•	discharge from			

Monitoring Location (EP	A Point 5)	Please refer to th	e map, Kimbriki Mo	onitoring
wontoning Location (EP	A rollit 3)	Sites.pdf, for loca	ation <b>(EPA 5)</b>	
		Monitoring	No of times	
Pollutant	Units of measure	frequency	No. of times	Value
Pollutant	Units of measure	required by	measured during	Value
		licence	quarter	
Conductivity	μS/cm (Note 1)	Quarterly	1	520
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	390
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	< 0.01
Ho	рН	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	1.9
Redox potential	mV (Note 4)	Quarterly	1	(+) 310
Total dissolved solids	mg/L (Note 2)	Quarterly	1	270
Total organic carbon	mg/L (Note 2)	Quarterly	1	< 5
Explanatory Notes	(Note 1) µS/cm (micros (Note 2) mg/L (milligrar (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ms per litre) olony forming units	per 100 millilitres)	
Monitoring Location (EP	A Point 6)	-	e map, Kimbriki Mo	onitoring
	-,	Sites.pdf, for loca	ation <b>(EPA 6)</b>	
		Monitoring	No. of times	
Pollutant	Units of measure	frequency	measured during	Value
. ondedire		required by	quarter	
		licence	-	
Conductivity	μS/cm (Note 1)	Quarterly	1	310
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3
aecal Coliforms	org/100 mL (Note3)	Quarterly	1	240
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.15
oH	рН	Quarterly	1	7.5
Potassium	mg/L (Note 2)	Quarterly	1	3.4
Redox potential	mV (Note 4)	Quarterly	1	(+) 300
Total dissolved solids	mg/L (Note 2)	Quarterly	1	180
Total organic carbon	mg/L (Note 2)	Quarterly	1	5.5
Explanatory Notes	(Note 1) µS/cm (micros (Note 2) mg/L (milligrar (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ms per litre) plony forming units		
Monitoring Location (EP	A Doint 7)	Please refer to th	e map, Kimbriki Mo	onitoring
vioriitoring Location (EP	A PUIII / J	Sites.pdf, for loca	ation <b>(EPA 7)</b>	
		Monitoring	No. of times	
Dollutant	Units of massure	frequency		Value
Pollutant	Units of measure	required by	measured during	value
		licence	quarter	
Conductivity	μS/cm (Note 1)	Quarterly	1	490
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.6
aecal Coliforms	org/100 mL (Note3)	Quarterly	1	1500
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.1
ρΗ	рН	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	8
Redox potential	mV (Note 4)	Quarterly	1	(+) 290
Total dissolved solids	mg/L (Note 2)	Quarterly	1	300
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
	(Note 1) μS/cm (micros	•	etre)	
Explanatory Notes	(Note 2) mg/L (milligrar		100	
p :	(Note 3) org/100 mL (co		per 100 millilitres)	
	(Note 4) mV (millivolts)			

Monitoring Location (EP	A Point 8)	Please refer to th Sites.pdf, for loc	ne map, Kimbriki Mo ation <b>(EPA 8)</b>	onitoring
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	8.9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	3000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.1
pH	Hq	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	(+) 300
Total dissolved solids	mg/L (Note 2)	Quarterly	1	330
Total organic carbon	mg/L (Note 2)	Quarterly	1	15
Total organic carbon	(Note 1) μS/cm (micros			13
Explanatory Notes	(Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ms per litre) olony forming units	per 100 millilitres)	
Monitoring Location (EP	A Point 9)	-	ne map, Kimbriki Mc	onitoring
	·	Sites.pdf, for loca	ation <b>(EPA 9)</b>	
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	470
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2800
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.19
pH	рН	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	10
Redox potential	mV (Note 4)	Quarterly	1	(+) 410
Total dissolved solids	mg/L (Note 2)	Quarterly	1	290
Total organic carbon	mg/L (Note 2)	Quarterly	1	13
Explanatory Notes	(Note 1) µS/cm (micros (Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ms per litre) olony forming units	per 100 millilitres)	
Monitoring Location (EP	A Point 10)	Please refer to th	ne map, Kimbriki Mo	onitoring
Holding pond - no discho		Sites.pdf, for loca also.	ation <b>(EPA 10).</b> Plea	ase refer to Note 5
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	4700
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	5.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~9
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	240
рН	рН	Quarterly	1	8.1
Potassium	mg/L (Note 2)	Quarterly	1	180
Redox potential	mV (Note 4)	Quarterly	1	(+) 170
Total dissolved solids	mg/L (Note 2)	Quarterly	1	2100
Total organic carbon	mg/L (Note 2)	Quarterly	1	150
Explanatory Notes	(Note 1) µS/cm (micros (Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts) (Note 5) This monitorin	ms per litre) olony forming units	per 100 millilitres)	ge from site

Monitoring Location (EP	A Point 11)	Please refer to the Sites.pdf, for loc	ne map, Kimbriki Mo ation <b>(EPA 11)</b>	nitoring
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter</b>	Value
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	8.5
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2500
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.09
pH	рН	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	7.3
Redox potential	mV (Note 4)	Quarterly	1	(+) 430
Total dissolved solids	mg/L (Note 2)	Quarterly	1	220
Total organic carbon	mg/L (Note 2)	Quarterly	1	9
Explanatory Notes	(Note 1) µS/cm (micros (Note 2) mg/L (milligra (Note 3) org/100 mL (c (Note 4) mV (millivolts)	ms per litre) olony forming units		nitoring
Monitoring Location (EP	A Point 12)	Sites.pdf, for loc	• •	mtoring
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	< 5
Conductivity	μS/cm (Note 1)	Quarterly	1	1100
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	660
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.8
рН	pН	Quarterly	1	8.4
Potassium	mg/L (Note 2)	Quarterly	1	55
Redox potential	mV (Note 4)	Quarterly	1	(+) 250
Total dissolved solids	mg/L (Note 2)	Quarterly	1	590
Total organic carbon  Explanatory Notes	mg/L (Note 2) (Note 1) μS/cm (micros (Note 2) mg/L (milligrat (Note 3) org/100 mL (c) (Note 4) mV (millivolts)	ms per litre) olony forming units	per 100 millilitres)	32
Monitoring Location (EP	A Point 13)	-	ne map, Kimbriki Mo	nitoring
	1	Sites.pdf, for loc	ation <b>(EPA 13)</b>	
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	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.63
oH	pH	Quarterly	1	7.2
Potassium	mg/L (Note 2)	Quarterly	1	6.6
Redox potential	mV (Note 4)	Quarterly	1	(+) 440
Total dissolved solids	mg/L (Note 2)	Quarterly	1	240
Total organic carbon  Explanatory Notes	mg/L (Note 2) (Note 1) μS/cm (micros (Note 2) mg/L (milligrat (Note 3) org/100 mL (c) (Note 4) mV (millivolts)	ms per litre) olony forming units		7.2

Monitoring Location (EPA	A Point 14)	Please refer to th Sites.pdf, for loca	e map, Kimbriki Mo ation <b>(EPA 14)</b>	onitoring		
Pollutant	Units of measure	Monitoring frequency required by licence	Value			
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	5		
Conductivity	μS/cm (Note 1)	Quarterly	1	1600		
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.4		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	6900		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.49		
рН	pН	Quarterly	1	7.8		
Potassium	mg/L (Note 2)	Quarterly	1	400		
Redox potential	mV (Note 4)	Quarterly	1	(+) 370		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1000		
Total organic carbon	mg/L (Note 2) (Note 1) μS/cm (micros	Quarterly	1	80		
Explanatory Notes	(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	A Point 15)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location <b>(EPA 15)</b>				
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	510		
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.8		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	3500		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.2		
рН	рН	Quarterly	1	7.2		
Potassium	mg/L (Note 2)	Quarterly	1	17		
Redox potential	mV (Note 4)	Quarterly	1	(+) 430		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280		
Total organic carbon	mg/L (Note 2)	Quarterly	1	11		
Explanatory Notes	(Note 1) μS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre)					

Monitoring Location (EDA	\ Doint 16\	Please refer to th	e map, Kimbriki M	onitoring
Monitoring Location (EPA Point 16)		Sites.pdf, for location (EPA 16)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during <b>quarter/year</b>	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	33
Calcium	mg/L (Note 1)	Quarterly	1	3.2
Chloride	mg/L (Note 1)	Quarterly	1	91
Magnesium	mg/L (Note 1)	Quarterly	1	9.1
Nitrogen	mg/L (Note 1)	Quarterly	1	0.04
pH	pН	Quarterly	1	6
Potassium	mg/L (Note 1)	Quarterly	1	1.3
Sodium	mg/L (Note 1)	Quarterly	1	44
Standing Water Level (TOC)	metres	Quarterly	1	17.3
Standing Water Level (m AHD)	metres	NA	NA	99.085
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	210
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
Aluminiun	mg/L (Note 1)	Yearly	1	0.14
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	< 0.001
Cobalt	mg/L (Note 1)	Yearly	1	0.012
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	0.011
Manganese	mg/L (Note 1)	Yearly	1	0.89
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.14
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	< 0.001
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	< 0.002
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	< 0.001
Toluene	mg/L (Note 1)	Yearly	1	0.048
Total Petroleum	mg/L (Note 1)	Yearly	1	< 0.1
Hydrocarbons	6/ = (14000 1)	· carry	-	- 3.1
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
			-	0.020
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA	\	Please refer to th	e map, Kimbriki Mo	onitoring
Worldoning Location (EP)	A POINT 17)	Sites.pdf, for loca	ation <b>(EPA 17)</b>	
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	26
Calcium	mg/L (Note 1)	Quarterly	1	3.8
Chloride	mg/L (Note 1)	Quarterly	1	74
Magnesium	mg/L (Note 1)	Quarterly	1	9.4
Nitrogen	mg/L (Note 1)	Quarterly	1	0.11
pH	pН	Quarterly	1	6.2
Potassium	mg/L (Note 1)	Quarterly	1	2.5
Sodium	mg/L (Note 1)	Quarterly	1	47
Standing Water Level (below TOC)	metres	Quarterly	1	6.43
Standing Water Level (AHD)	metres	NA	NA	63.186
Sulfate	mg/L (Note 1)	Quarterly	1	12
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
Aluminiun	mg/L (Note 1)	Yearly	1	0.33
Arsenic	mg/L (Note 1)	Yearly	1	0.001
Barium	mg/L (Note 1)	Yearly	1	0.06
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	0.011
Manganese	mg/L (Note 1)	Yearly	1	1
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.1
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	< 0.001
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	< 0.002
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	0.015
Explanatory Notes	(Note 1) mg/L (milligra	•		

Manitaring Lagation (FD)	\ Daint 10\	Please refer to th	ne map, Kimbriki Mo	nitoring
Monitoring Location (EPA	A Point 18)	Sites.pdf, for loc	ation <b>(EPA 18)</b>	
		Monitoring	No of times	
Pollutant	Units of measure	frequency	No. of times measured during	Value
Pollutant	Units of measure	required by	_	value
		licence	quarter/year	
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	370
Calcium	mg/L (Note 1)	Quarterly	1	16
Chloride	mg/L (Note 1)	Quarterly	1	230
Magnesium	mg/L (Note 1)	Quarterly	1	23
Nitrogen	mg/L (Note 1)	Quarterly	1	44
рН	pH	Quarterly	1	7
Potassium	mg/L (Note 1)	Quarterly	1	39
Sodium	mg/L (Note 1)	Quarterly	1	130
Standing Water Level	metres	Quarterly	1	15.14
(Below TOC)	metres	Quarterly	•	15.14
Standing Water Level	metres	NA	NA	80.025
(AHD)			<b> </b>	
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	600
Total organic carbon	mg/L (Note 1)	Quarterly	1	23
Aluminiun	mg/L (Note 1)	Yearly	1	0.1
Arsenic	mg/L (Note 1)	Yearly	1	< 0.001
Barium	mg/L (Note 1)	Yearly	1	0.97
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	0.011
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	0.011
Manganese	mg/L (Note 1)	Yearly	1	9.8
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.11
(oxidised Nitrogen)				
Organochlorine	mg/L (Note 1)	Yearly	1	< 0.001
pesticides				
Organophosphate	mg/L (Note 1)	Yearly	1	< 0.002
pesticides		<u> </u>	<u> </u>	
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
Hydrocarbons				
Toluene	mg/L (Note 1)	Yearly	1	0.009
Total Petroleum	mg/L (Note 1)	Yearly	1	0.5
Hydrocarbons				
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	0.031
Explanatory Notes	(Note 1) mg/L (milligra			

Monitoring Location (EPA	A Point 19)	-	ne map, Kimbriki Mo	nitoring
Worldoning Location (L17	4 T Ollit 15 j	Sites.pdf, for loc	ation <b>(EPA 19)</b>	
		Monitoring	No. of times	
Pollutant	Units of measure	frequency	measured during	Value
· onacane	• o o	required by	quarter/year	74.40
		licence		
Alkalinity (as calcium	mg/L (Note 1)	Quarterly	1	21
carbonate)	4			
Calcium	mg/L (Note 1)	Quarterly	1	11
Chloride	mg/L (Note 1)	Quarterly	1	34
Magnesium	mg/L (Note 1)	Quarterly	1	6
Nitrogen	mg/L (Note 1)	Quarterly	1	1.3
pH	pH	Quarterly	1	6.2
Potassium	mg/L (Note 1)	Quarterly	1	17
Sodium	mg/L (Note 1)	Quarterly	1	36
Standing Water Level (below TOC)	metres	Quarterly	1	3.19
Standing Water Level	metres	NA	NA	61.775
(above AHD)				
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	270
Total organic carbon	mg/L (Note 1)	Quarterly	1	5.9
Aluminiun	mg/L (Note 1)	Yearly	1	1.1
Arsenic	mg/L (Note 1)	Yearly	1	0.002
Barium	mg/L (Note 1)	Yearly	1	0.03
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	< 0.01
Chromium (total)	mg/L (Note 1)	Yearly	1	0.003
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	0.011
Manganese	mg/L (Note 1)	Yearly	1	0.068
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	0.12
(oxidised Nitrogen)				
Organochlorine	mg/L (Note 1)	Yearly	1	< 0.001
pesticides		W	1	10.000
Organophosphate	mg/L (Note 1)	Yearly	1	< 0.002
pesticides	madl (Note 4)	Vanul:	4	< 0.004
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
<u>Hydrocarbons</u> Toluene	mg/L (Note 1)	Yearly	1	< 0.001
Total Petroleum	mg/L (Note 1)	Yearly	1	< 0.001
	mg/r (Note 1)	Teally	1	< U.1
Hydrocarbons Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
	mg/L (Note 1)	Yearly	1	< 0.003
Xylene	mg/L (Note 1)	Yearly	1	0.003
Zinc	mg/I (No+o 1)			

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	31
Calcium	mg/L (Note 1)	Quarterly	1	2.4
Chloride	mg/L (Note 1)	Quarterly	1	39
Magnesium	mg/L (Note 1)	Quarterly	1	4.7
Nitrogen	mg/L (Note 1)	Quarterly	1	< 0.01
pH	pH	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	1.1
Sodium	mg/L (Note 1)	Quarterly	1	23
Standing Water Level	metres	Quarterly	1	21.55
(below TOC)				
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	15
Aluminiun	mg/L (Note 1)	Yearly	1	0.64
Arsenic	mg/L (Note 1)	Yearly	1	0.006
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	0.002
Cobalt	mg/L (Note 1)	Yearly	1	0.002
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	0.005
Manganese	mg/L (Note 1)	Yearly	1	0.53
Mercury	mg/L (Note 1)	Yearly	1	< 0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.13
Organochlorine Desticides	mg/L (Note 1)	Yearly	1	< 0.001
Organophosphate Desticides	mg/L (Note 1)	Yearly	1	< 0.002
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	< 0.001
Hydrocarbons	ma/1 (N=+= 4)	Va z zli i	1	0.11
Toluene Total Petroleum	mg/L (Note 1)	Yearly	1	0.11
	mg/L (Note 1)	Yearly	1 1	0.16
Hydrocarbons	ma/L (Note 4)	Voorby	1	< 0.0F
Total Phenolics	mg/L (Note 1)	Yearly	1	< 0.05
Xylene	mg/L (Note 1)	Yearly	1	< 0.003 0.051
Zinc	mg/L (Note 1)	Yearly ms per litre)	1	0.051

IMonitoring Location (FPA Point 21)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location <b>(EPA 21)</b>		
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)			