Monthly Summary of EPA Monitoring Data



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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.environment.nsw.gov.au/epa/index.htm

Monitoring Period	01 March 20	01 March 2013 - 31 March 2013						
Date Published	12 April 2013							
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 EN	NVIRONMENTA	L ENTERPRISES	PTY LIMITE)			
Licensee Address	Locked Bag	6, Terrey Hills, I	NSW 2084					
Monitoring Location (EPA	A Point 1)	Please refer to	the map, Kiml	oriki Monito	ring Sites.po	df, for location	on (EPA 1)	
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	< 2	18	20	no	
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	9	< 0.01	0.28	1	no	
рН	рН	Daily during any discharge	9	7.3	8.1	6.5 - 8.5	no	
Total suspended solids	mg/L (Note 1)	Daily during any discharge	9	< 5	150	50	no (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) As per EPL 13091 L2.1 - As the 5 day cummulative rainfall was 99.5mm which is greater than 62.1 mm and Kimbriki took all practical measures to avoid or minimise water pollution, then no exceedance is taken to have occurred.							
Monitoring Location (EPA	A Point 2)	Please refer to	the map, Kimb	oriki Monito	ring Sites.po	df, for location	on (EPA 2)	
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)	3	3.6	13	20	no	
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	8	0.03	0.2	1	no	
рН	рН	Daily during any discharge	8	7	7.9	6.5 - 8.5	no	
Total suspended solids	mg/L (Note 1)	Daily during any discharge	8	9.5	340 170	50	no (Note 3) yes (Note 4)	
(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 - The maximum value measured was 340, however this occured when the 5 day cummulative rainfall was 99.5mm which is greater than 62.1 mm and Kimbriki took all practical measures to avoid or minimise water pollution, as such this occurence is not taken to have been an exceedance. (Note 4) Please refer to Exceedance Table for further information.								

Monitoring Location (EPA	A Point 3)	Please refer to	the map, Kimb	oriki Monito	ring Sites.po	df, for locatio	on (EPA 3)
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)	Nil (Note 3)	-	-	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	Nil (Note 3)	-	-	1	no
рН	рН	Daily during any discharge	Nil (Note 3)	-	-	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	Nil (Note 3)	-	-	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) Explanatory Notes (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) No discharge during month						
Monitoring Location (EPA	A Point 21)	Please refer to 21)	the map, Kimb	oriki Monitoi	ring Sites.po	df, for locatio	on (EPA
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)	9	< 2	6.2	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	14	0.01	0.4	1	no
рН	рН	Daily during any discharge	14	7.1	8.2	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	14	< 5	120	50	no (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) As per EPL 13091 L2.1 - As the 5 day cummulative rainfall was 99.5mm which is greater than 62.1 mm and Kimbriki took all practical measures to avoid or minimise water pollution, then no exceedance is taken to have occurred.						



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Monitoring Period	01 March 20	01 March 2013 - 31 March 2013					
Date Published	12 April 201	3					
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www	.environment.r	nsw.gov.au/pi	rpoeoapp/View	POEOLicence	e.aspx?DOCID=30667&SYSU	
	ID=1&LICID=	<u>=13091</u>					
Licensee Name	KIMBRIKI EN	IVIRONMENTAI	L ENTERPRISE	S PTY LIMITED			
Licensee Address	Locked Bag	6, Terrey Hills, I	NSW 2084				
Monitoring Location (EPA	A Point 2)	Please refer to	the map, Kin	nbriki Monitorir	ng Sites.pdf,	for 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	19/03/2013	170	7.5	
		, ,		20/03/2013	110	0	
Exceedance Information While the 5 day cummulative rainfall during these exceedances did not reach 62.1 mm (EPL 13091 L2.1) the total rainfall measured during the month of March was significant at 119mm. Kimbriki took all practical measures to avoid and minimise these exceedances through the ongoing implementation of the Erosion & Sediment Control Plan.							
Explanatory Notes	, ,	L (milligrams per (millimetres)	litre)				

Other formats are available.

Monthly Summary of EPA Monitoring Data



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Monitoring Period	01 March 20	01 March 2013 - 31 March 2013						
Date Published	12 April 201	.3						
EPA Licence No.	13091	13091						
EPA Licence Hyperlink	-	v.environment.r	nsw.gov.au/prp	oeoapp/Vie	wPOEOLice	nce.aspx?D0	OCID=3066	
		1&LICID=13091						
Licensee Name	_!	NVIRONMENTA		PTY LIMITED)			
Licensee Address	Locked Bag	6, Terrey Hills, I	NSW 2084 the map, Kimb	wiki Manita	ina Citas n	df for loont	ion (CDA	
Monitoring Location (E	PA Point 1)	1)	the map, kimb	oriki ivionitoi	ing sites.po	aj, joi locati	ON (EPA	
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	9	250	378	380	500	
Explanatory Notes	(Note 1) μS/c	m (microsiemens	per centimetre)					
Monitoring Location (E	PA Point 2)	Please refer to	the map, Kimb	oriki Monitoi	ring Sites.po	df, for locati	on (EPA	
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	8	300	600	595	810	
Explanatory Notes	(Note 1) μS/c	m (microsiemens	s per centimetre)					
Monitoring Location (E	PA Point 3)	Please refer to	the map, Kimb	oriki Monitoi	ring Sites.po	df, for locati	on (EPA	
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	Nil (Note 2)	-	-	-	-	
Explanatory Notes		cm (microsiemens discharge during r	•					
Monitoring Location (E	PA Point 21)	Please refer to 21)	the map, Kimb	oriki Monitoi	ring Sites.po	df, for locati	on (EPA	
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	320	427	445	520	
Explanatory Notes	(Note 1) μS/c	cm (microsiemens	s per centimetre)					

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 2012 - March	n 2013 (Quarterly) +	March 2012 - March	2013 (Yearly)		
Sample Date	11 March 2013					
Date Published	12 April 2013					
EPA Licence No.	13091					
EPA Licence Hyperlink	http://www.environr	nent nsw gov au/	nrnoeoann/ViewP(DEOLicence asny?D		
LI A Licence Hyperiilik	OCID=30667&SYSUID		ргросоарру чемт с	DEOLICETICE.d3pX: D		
			SEC DEVI II AITED			
Licensee Name	KIMBRIKI ENVIRONM		SES PTY LIMITED			
Licensee Address	Locked Bag 6, Terrey					
Monitoring Location (EP	A Point 5)			Ionitoring Sites.pdf,		
Ů ,	•	for location (EPA	5)			
		Monitoring	No. of times			
Pollutant	Units of measure	frequency	measured during	Value		
		required by	quarter			
		licence	-			
Conductivity	μS/cm (Note 1)	Quarterly	1	470		
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	120		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01		
рН	pH	Quarterly	1	7.7		
Potassium	mg/L (Note 2)	Quarterly	1	2.2		
Redox potential	mV (Note 4)	Quarterly	1	(+)222		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280		
Total organic carbon	mg/L (Note 2)	Quarterly	1	5.5		
	(Note 1) µS/cm (micros	·	tre)			
Explanatory Notes	(Note 2) mg/L (milligran	•	400 :11:1:1			
, ,	(Note 3) org/100 mL (co	olony forming units	per 100 millilitres)			
	(Note 4) mV (millivolts)	Dlease refer to th	e man Kimhriki M	lonitoring Sites.pdf,		
Monitoring Location (EP	A Point 6)	for location (EPA		omtoring sites.paj,		
	<u> </u>	Monitoring	l 0)			
		frequency	No. of times			
Pollutant	Units of measure	required by	measured during	Value		
		licence	quarter			
Conductivity	μS/cm (Note 1)		1	370		
Dissolved Oxygen	mg/L (Note 1)	Quarterly Quarterly	1	9.2		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	130		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01		
pH	pH	Quarterly	1	7.7		
Potassium	mg/L (Note 2)	Quarterly	1	2.2		
Redox potential	mV (Note 4)	Quarterly	1	(+)180		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	220		
		Quarterly	1	6.5		
Total organic carbon	mg/L (Note 2) (Note 1) μS/cm (micros			0.5		
	(Note 2) mg/L (milligrar	·				
Explanatory Notes	(Note 3) org/100 mL (co	•	per 100 millilitres)			
	(Note 4) mV (millivolts)					
Monitoring Location (EP	Δ Point 7)	Please refer to th	e map, Kimbriki M	Ionitoring Sites.pdf,		
monitoring Location (Er	7.1 Olite 7 j	for location (EPA	7)			
		Monitoring	No. of times			
Pollutant	Units of measure	frequency	measured during	Value		
ronutant	onits of fileasure	required by	_	value		
		licence	quarter			
Conductivity	μS/cm (Note 1)	Quarterly	1	460		
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.8		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	140		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01		
pН	рН	Quarterly	1	8.1		
Potassium	mg/L (Note 2)	Quarterly	1	9.6		
Redox potential	mV (Note 4)	Quarterly	1	(+)187		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	260		
Total organic carbon	mg/L (Note 2)	Quarterly	1	9		
•	(Note 1) μS/cm (micros					
Explanatory Notes	(Note 2) mg/L (milligran	•				
Explanatory Notes	(Note 3) org/100 mL (co	olony forming units	per 100 millilitres)			
	(Note 4) mV (millivolts)					

Monitoring Location (EP/	A Point 8)	Please refer to th for location (EPA		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	450
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	60
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01
рН	рН	Quarterly	1	8.6
Potassium	mg/L (Note 2)	Quarterly	1	8.1
Redox potential	mV (Note 4)	Quarterly	1	(+)191
Total dissolved solids	mg/L (Note 2)	Quarterly	1	250
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.3
Explanatory Notes	(Note 1) μS/cm (microsi (Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts)	emens per centime ns per litre) plony forming units	per 100 millilitres)	
Monitoring Location (EP)	A Point 9)	-		Ionitoring Sites.pdf,
(=		for location (EPA	9)	
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	μS/cm (Note 1)	Quarterly	1	440
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	20
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01
рН	рН	Quarterly	1	8.7
Potassium	mg/L (Note 2)	Quarterly	1	8.2
Redox potential	mV (Note 4)	Quarterly	1	(+)167
Total dissolved solids	mg/L (Note 2)	Quarterly	1	250
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.6
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)	•	
Monitoring Location (EP) Holding pond - no discha	•	Please refer to the map, Kimbriki Monitoring Sites.po for location (EPA 10). Please refer to Note 5 also.		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	μS/cm (Note 1)	Quarterly	1	1400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	6.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	6.7
рН	рН	Quarterly	1	8.2
Potassium	mg/L (Note 2)	Quarterly	1	97
Redox potential	mV (Note 4)	Quarterly	1	(+)189
Total dissolved solids	mg/L (Note 2)	Quarterly	1	930
Total organic carbon	mg/L (Note 2)	Quarterly	1	63
Explanatory Notes	(Note 1) μS/cm (microsi (Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts) (Note 5) This monitoring	ns per litre) blony forming units	per 100 millilitres)	ge from site
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		Please refer to th	e map, Kimbriki M	Ionitoring Sites.pdf,
Monitoring Location (EP	A Point 11)	for location (EPA	• 1	3 , , ,
		Monitoring	,	
- W		frequency	No. of times	
Pollutant	Units of measure	required by	measured during	Value
		licence	quarter	
Biochemical oxygen	mg/L (Note 2)	Quarterly	1	<2
demand	mg/ L (Note 2)	Quarterly	_	~2
Conductivity	μS/cm (Note 1)	Quarterly	1	370
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	20
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.05
pH	pH	Quarterly	1	8.8
Potassium	mg/L (Note 2)	Quarterly	1	5.8
Redox potential	mV (Note 4)	Quarterly	1	(+)173
Total dissolved solids	mg/L (Note 2)	Quarterly	1	200
Total organic carbon	mg/L (Note 2)	Quarterly	1	16
Total organic carbon	(Note 1) µS/cm (micros		=	10
E decele Mate	(Note 2) mg/L (milligran	· · · · · · · · · · · · · · · · · · ·	,	
Explanatory Notes	(Note 3) org/100 mL (co	olony forming units	per 100 millilitres)	
	(Note 4) mV (millivolts)			
Monitoring Location (EP	A Point 12)	•	* *	Ionitoring Sites.pdf,
Women'ng Location (Li	7	for location (EPA	12)	
		Monitoring	No. of times	
Pollutant	Units of measure	frequency	measured during	Value
Tollatant	Office of friedsure	required by	quarter	Value
		licence	quarter	
Biochemical oxygen	mg/L (Note 2)	Quarterly	1	<2
demand				
Conductivity	μS/cm (Note 1)	Quarterly	1	240
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.4
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	<100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01
рН	рН	Quarterly	1	7.4
Potassium	mg/L (Note 2)	Quarterly	1	8.4
Redox potential	mV (Note 4)	Quarterly	1	(+)218
Total dissolved solids	mg/L (Note 2)	Quarterly	1	140
Total organic carbon	mg/L (Note 2)	Quarterly	1	11
	(Note 1) μS/cm (micros	•	tre)	
Explanatory Notes	(Note 2) mg/L (milligran	•		
	(Note 3) org/100 mL (co	olony forming units	per 100 millilitres)	
	(Note 4) mV (millivolts)	Dlease refer to th	a man Kimhriki M	lonitoring Sites.pdf,
Monitoring Location (EP	A Point 13)	for location (EPA	• 1	omtoring sites.paj,
		Monitoring	13)	
		_	No. of times	
Pollutant	Units of measure	frequency	measured during	Value
		required by	quarter	
Conductivity	11C/ama (b) 1 1	licence	4	F00
Conductivity Dissolved Overgon	μS/cm (Note 1)	Quarterly	1	500
Dissolved Oxygen Faecal Coliforms	mg/L (Note 2) org/100 mL (Note3)	Quarterly	1	9
		Quarterly	1	80 0.7
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly		
pH Potassium	pH	Quarterly	1	7.3
	mg/L (Note 2)	Quarterly		10
Redox potential	mV (Note 4)	Quarterly	1	(+)142
Total dissolved solids	mg/L (Note 2)	Quarterly	1	270
Total organic carbon	mg/L (Note 2) (Note 1) μS/cm (micros	Quarterly	tre)	10
	(Note 1) μs/cm (micros (Note 2) mg/L (milligrar	· · · · · · · · · · · · · · · · · · ·	u e j	
Explanatory Notes	(Note 3) org/100 mL (co		per 100 millilitres)	
	(Note 4) mV (millivolts)			
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		Please refer to th	e man Kimhriki M	Ionitoring Sites.pdf,		
Monitoring Location (EPA	A Point 14)	for location (EPA		omtoring Sites.paj,		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value		
Biochemical oxygen	mg/L (Note 2)	Quarterly	1	24		
demand		·				
Conductivity	μS/cm (Note 1)	Quarterly	1	960		
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	0.3		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	12000		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	5.6		
рН	рН	Quarterly	1	7.5		
Potassium	mg/L (Note 2)	Quarterly	1	87		
Redox potential	mV (Note 4)	Quarterly	1	(+)150		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	640		
Total organic carbon	mg/L (Note 2) (Note 1) µS/cm (microsi	Quarterly	1	45		
Explanatory Notes	(Note 2) mg/L (milligran (Note 3) org/100 mL (co (Note 4) mV (millivolts)	•	per 100 millilitres)			
Monitoring Location (EPA	Δ Point 15)	Please refer to the map, Kimbriki Monitoring Sites.pdf				
Wienitering Location (Li	110 15,	for location (EPA 15)				
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value		
Conductivity	μS/cm (Note 1)	Quarterly	1	540		
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.9		
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1000		
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.97		
рН	pН	Quarterly	1	7.3		
Potassium	mg/L (Note 2)	Quarterly	1	16		
Redox potential	mV (Note 4)	Quarterly	1	(+)185		
Total dissolved solids	mg/L (Note 2)	Quarterly	1	320		
Total organic carbon	mg/L (Note 2)	Quarterly	1	14		
Explanatory Notes	(Note 1) μS/cm (microsi (Note 2) mg/L (milligram (Note 3) org/100 mL (co (Note 4) mV (millivolts)	ns per litre) blony forming units	per 100 millilitres)			
Monitoring Location (EPA	A Point 21)	Please refer to th for location (EPA	•	Ionitoring Sites.pdf,		
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	<2		
Explanatory Notes	(Note 1) mg/L (milligran	ns per litre)				

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Monitoring Location (EPA	A Point 16)	Please refer to the map, Kimbriki Monitoring Sites.pdf,			
, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,		for location (EPA 16)			
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	
carbonate)					
Calcium	mg/L (Note 1)	Quarterly	1	7.5	
Chloride	mg/L (Note 1)	Quarterly	1	96	
Magnesium	mg/L (Note 1)	Quarterly	1	8.8	
Nitrogen	mg/L (Note 1)	Quarterly	1	0.28	
рН	рН	Quarterly	1	5.9	
Potassium	mg/L (Note 1)	Quarterly	1	1.8	
Sodium	mg/L (Note 1)	Quarterly	1	41	
Standing Water Level	metres	Quarterly	1	17.2	
Sulfate	mg/L (Note 1)	Quarterly	1	<2	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	230	
Total organic carbon	mg/L (Note 1)	Quarterly	1	8.1	
Aluminiun	mg/L (Note 1)	Yearly	1	0.13	
Arsenic	mg/L (Note 1)	Yearly	1	<0.005	
Barium	mg/L (Note 1)	Yearly	1	0.099	
Benzene	mg/L (Note 1)	Yearly	1	<0.001	
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005	
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005	
Cobalt	mg/L (Note 1)	Yearly	1	0.014	
Copper	mg/L (Note 1)	Yearly	1	<0.005	
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001	
Fluoride	mg/L (Note 1)	Yearly	1	<0.1	
Lead	mg/L (Note 1)	Yearly	1	0.012	
Manganese	mg/L (Note 1)	Yearly	1	0.85	
Mercury	mg/L (Note 1)	Yearly	1	<0.0001	
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.5	
(oxidised Nitrogen)					
Organochlorine	mg/L (Note 1)	Yearly	1	<0.002	
pesticides					
Organophosphate	mg/L (Note 1)	Yearly	1	<0.02	
pesticides					
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	<0.002	
Hydrocarbons					
Toluene	mg/L (Note 1)	Yearly	1	<0.001	
Total Petroleum	mg/L (Note 1)	Yearly	1	0.4	
Hydrocarbons					
Total Phenolics	mg/L (Note 1)	Yearly	1	<0.01	
Xylene	mg/L (Note 1)	Yearly	1	<0.003	
Zinc	mg/L (Note 1)	Yearly	1	0.072	

		Please refer to th	e map, Kimbriki M	onitoring Sites.pdf,	
Monitoring Location (EPA	A Point 17)	for location (EPA 17)			
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	34	
carbonate)					
Calcium	mg/L (Note 1)	Quarterly	1	4.1	
Chloride	mg/L (Note 1)	Quarterly	1	72	
Magnesium	mg/L (Note 1)	Quarterly	1	7.3	
Nitrogen	mg/L (Note 1)	Quarterly	1	0.1	
рН	рН	Quarterly	1	5.8	
Potassium	mg/L (Note 1)	Quarterly	1	2.2	
Sodium	mg/L (Note 1)	Quarterly	1	39	
Standing Water Level	metres	Quarterly	1	6.84	
Sulfate	mg/L (Note 1)	Quarterly	1	7	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220	
Total organic carbon	mg/L (Note 1)	Quarterly	1	12	
Aluminiun	mg/L (Note 1)	Yearly	1	0.15	
Arsenic	mg/L (Note 1)	Yearly	1	<0.005	
Barium	mg/L (Note 1)	Yearly	1	0.058	
Benzene	mg/L (Note 1)	Yearly	1	<0.001	
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005	
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005	
Cobalt	mg/L (Note 1)	Yearly	1	0.006	
Copper	mg/L (Note 1)	Yearly	1	<0.005	
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001	
Fluoride	mg/L (Note 1)	Yearly	1	<0.1	
Lead	mg/L (Note 1)	Yearly	1	0.008	
Manganese	mg/L (Note 1)	Yearly	1	0.63	
Mercury	mg/L (Note 1)	Yearly	1	<0.0001	
Nitrate + Nitrite	mg/L (Note 1)	Yearly	1	<0.5	
(oxidised Nitrogen)		l	4	.0.003	
Organochlorine	mg/L (Note 1)	Yearly	1	<0.002	
pesticides Organophosphato	mg/l (Note 1)	Voorly	1	<0.02	
Organophosphate pesticides	mg/L (Note 1)	Yearly		<0.02	
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	<0.002	
Hydrocarbons	ing/L (Note 1)	learly		\0.002	
Toluene	mg/L (Note 1)	Yearly	1	<0.001	
Total Petroleum	mg/L (Note 1)	Yearly	1	0.3	
Hydrocarbons		learry		0.5	
Total Phenolics	mg/L (Note 1)	Yearly	1	<0.01	
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)					

		Please refer to th	e map, Kimbriki M	onitoring Sites.pdf,	
Monitoring Location (EPA	A Point 18)	for location (EPA 18)			
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	81	
carbonate)					
Calcium	mg/L (Note 1)	Quarterly	1	16	
Chloride	mg/L (Note 1)	Quarterly	1	240	
Magnesium	mg/L (Note 1)	Quarterly	1	24	
Nitrogen	mg/L (Note 1)	Quarterly	1	46	
рН	рН	Quarterly	1	6.3	
Potassium	mg/L (Note 1)	Quarterly	1	42	
Sodium	mg/L (Note 1)	Quarterly	1	130	
Standing Water Level	metres	Quarterly	1	14.6	
Sulfate	mg/L (Note 1)	Quarterly	1	3.5	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	680	
Total organic carbon	mg/L (Note 1)	Quarterly	1	35	
Aluminiun	mg/L (Note 1)	Yearly	1	<0.05	
Arsenic	mg/L (Note 1)	Yearly	1	<0.005	
Barium	mg/L (Note 1)	Yearly	1	1.1	
Benzene	mg/L (Note 1)	Yearly	1	<0.001	
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005	
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005	
Cobalt	mg/L (Note 1)	Yearly	1	0.011	
Copper	mg/L (Note 1)	Yearly	1	<0.005	
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001	
Fluoride	mg/L (Note 1)	Yearly	1	<0.1	
Lead	mg/L (Note 1)	Yearly	1	0.01	
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	<0.5	
(oxidised Nitrogen)		l	4	.0.003	
Organochlorine	mg/L (Note 1)	Yearly	1	<0.002	
pesticides Organophosphato	mg/l (Note 1)	Voorly	1	<0.02	
Organophosphate pesticides	mg/L (Note 1)	Yearly		<0.02	
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	<0.002	
Hydrocarbons	ing/r (Note 1)	Tearry		\U.UU Z	
Toluene	mg/L (Note 1)	Yearly	1	<0.001	
Total Petroleum	mg/L (Note 1)	Yearly	1	0.5	
Hydrocarbons		learly		0.5	
Total Phenolics	mg/L (Note 1)	Yearly	1	0.03	
Xylene	mg/L (Note 1)	Yearly	1	<0.003	
Zinc	mg/L (Note 1)	Yearly	1	0.23	
Explanatory Notes (Note 1) mg/L (milligrams per litre)					

Monitoring Location (EPA	A 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	24	
Calcium	mg/L (Note 1)	Quarterly	1	6.5	
Chloride	mg/L (Note 1)	Quarterly	1	38	
Magnesium	mg/L (Note 1)	Quarterly	1	3.3	
Nitrogen	mg/L (Note 1)	Quarterly	1	0.91	
рН	pH	Quarterly	1	5.9	
Potassium	mg/L (Note 1)	Quarterly	1	5.9	
Sodium	mg/L (Note 1)	Quarterly	1	19	
Standing Water Level	metres	Quarterly	1	3.07	
Sulfate	mg/L (Note 1)	Quarterly	1	2.4	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	170	
Total organic carbon	mg/L (Note 1)	Quarterly	1	26	
Aluminiun	mg/L (Note 1)	Yearly	1	1.2	
Arsenic	mg/L (Note 1)	Yearly	1	<0.005	
Barium	mg/L (Note 1)	Yearly	1	0.025	
Benzene	mg/L (Note 1)	Yearly	1	<0.001	
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005	
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005	
Cobalt	mg/L (Note 1)	Yearly	1	<0.005	
Copper	mg/L (Note 1)	Yearly	1	<0.005	
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001	
Fluoride	mg/L (Note 1)	Yearly	1	<0.1	
Lead	mg/L (Note 1)	Yearly	1	<0.005	
Manganese	mg/L (Note 1)	Yearly	1	0.073	
Mercury	mg/L (Note 1)	Yearly	1	<0.0001	
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	<0.5	
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.002	
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02	
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.002	
Toluene	mg/L (Note 1)	Yearly	1	<0.001	
Total Petroleum	mg/L (Note 1)	Yearly	1	<0.1	
Hydrocarbons			-	-0.1	
Total Phenolics	mg/L (Note 1)	Yearly	1	0.03	
Xylene	mg/L (Note 1)	Yearly	1	<0.003	
Zinc	mg/L (Note 1)	Yearly	1	0.014	
Explanatory Notes	(Note 1) mg/L (milligran				

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Monitoring Location (EPA Point 20)		Please refer to the map, Kimbriki Monitoring Sites.pdf,			
Monitoring Location (EFF	A Pollit 20)	for location (EPA 20)			
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	36	
carbonate)					
Calcium	mg/L (Note 1)	Quarterly	1	2.2	
Chloride	mg/L (Note 1)	Quarterly	1	36	
Magnesium	mg/L (Note 1)	Quarterly	1	4.4	
Nitrogen	mg/L (Note 1)	Quarterly	1	0.07	
рН	рН	Quarterly	1	6	
Potassium	mg/L (Note 1)	Quarterly	1	1	
Sodium	mg/L (Note 1)	Quarterly	1	21	
Standing Water Level	metres	Quarterly	1	21.55	
Sulfate	mg/L (Note 1)	Quarterly	1	<2	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	130	
Total organic carbon	mg/L (Note 1)	Quarterly	1	26	
Aluminiun	mg/L (Note 1)	Yearly	1	0.12	
Arsenic	mg/L (Note 1)	Yearly	1	0.009	
Barium	mg/L (Note 1)	Yearly	1	0.14	
Benzene	mg/L (Note 1)	Yearly	1	<0.001	
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005	
Chromium (total)	mg/L (Note 1)	Yearly	1	<0.005	
Cobalt	mg/L (Note 1)	Yearly	1	<0.005	
Copper	mg/L (Note 1)	Yearly	1	<0.005	
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001	
Fluoride	mg/L (Note 1)	Yearly	1	<0.1	
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	mg/L (Note 1)	Yearly	1	<0.5	
(oxidised Nitrogen)					
Organochlorine	mg/L (Note 1)	Yearly	1	<0.002	
pesticides					
Organophosphate	mg/L (Note 1)	Yearly	1	<0.02	
pesticides	man H. Jan et al.		1	.0.003	
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	<0.002	
Hydrocarbons			4	:0.004	
Toluene	mg/L (Note 1)	Yearly	1	<0.001	
Total Petroleum	mg/L (Note 1)	Yearly	1	<0.1	
Hydrocarbons	ma m / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	\\\	4	-0.04	
Total Phenolics	mg/L (Note 1)	Yearly	1	<0.01	
Xylene	mg/L (Note 1)	Yearly	1	<0.003	
Zinc mg/L (Note 1) Yearly 1 0.03					
Explanatory Notes (Note 1) mg/L (milligrams per litre)					

Monitoring Location (EPA	\ Point 4\				
Leachate Holding Riser - no discharge from		Please refer to the map, Kimbriki Monitoring Sites.pdf,			
site.		for location (EPA 4)			
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during year	Value	
Alkalinity (as calcium	mg/L (Note 1)	Yearly	1	2700	
carbonate)					
Aluminiun	mg/L (Note 1)	Yearly	1	0.35	
Arsenic	mg/L (Note 1)	Yearly	1	0.15	
Barium	mg/L (Note 1)	Yearly	1	0.93	
Benzene	mg/L (Note 1)	Yearly	1	<0.001	
Cadmium	mg/L (Note 1)	Yearly	1	<0.0005	
Calcium	mg/L (Note 1)	Yearly	1	160	
Chloride	mg/L (Note 1)	Yearly	1	590	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005	
Chromium (total)	mg/L (Note 1)	Yearly	1	0.15	
Cobalt	mg/L (Note 1)	Yearly	1	0.008	
Conductivity	μS/cm (Note 2)	Yearly	1	6300	
Copper	mg/L (Note 1)	Yearly	1	<0.005	
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001	
Fluoride	mg/L (Note 1)	Yearly	1	0.3	
Lead	mg/L (Note 1)	Yearly	1	<0.005	
Magnesium	mg/L (Note 1)	Yearly	1	70	
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	2.6	
Nitrogen (ammonia)	mg/L (Note 1)	Yearly	1	480	
Organochlorine	mg/L (Note 1)	Yearly	1	<0.002	
pesticides	8/ = (/		_		
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02	
pH	pН	Yearly	1	7.3	
Phosphate	mg/L (Note 1)	Yearly	1	0.18	
Phosphorous (total)	mg/L (Note 1)	Yearly	1	0.6	
Polycyclic Aromatic	mg/L (Note 1)	Yearly	1	0.003	
Hydrocarbons	ma = /1	Voorby	1	210	
Potassium Sodium	mg/L (Note 1)	Yearly	1	210	
Sodium Standing Water Level	mg/L (Note 1)	Yearly	1 1	380	
Standing Water Level Sulfate	metres	Yearly	1	in situ 13	
Toluene	mg/L (Note 1) mg/L (Note 1)	Yearly Yearly	1	<0.001	
Total dissolved solids	mg/L (Note 1) mg/L (Note 1)	Yearly	1	2700	
Total organic carbon	mg/L (Note 1)	Yearly	1	380	
Total Petroleum	mg/L (Note 1)	Yearly	1	5.2	
Hydrocarbons		Larry			
Total Phenolics	mg/L (Note 1)	Yearly	1	0.47	
Total Suspended Solids	mg/L (Note 1)	Yearly	1	29	
Xylene	mg/L (Note 1)	Yearly	1	<0.003	
Zinc	mg/L (Note 1)	Yearly	1	0.04	
(Note 1) mg/L (milligrams per litre) Explanatory Notes (Note 2) μS/cm (microsiemens per centimetre) (Note 3) This monitoring point is a leachate holding riser with no discharge from site.					