

## Monthly Summary of EPA Monitoring Data



<p><i>Disclaimer</i> - 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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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, <a href="http://www.epa.nsw.gov.au/index.htm">http://www.epa.nsw.gov.au/index.htm</a></p>							
Monitoring Period	01 June 2016 - 30 June 2016						
Date Published	18 July 2016						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)</i>						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	3	< 5	< 5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	5	0.02	4.2 (Note 3)	1	no (Note 3)
pH	pH	Daily during any discharge	5	6.78	7.99	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	5	41	380 (Note 3)	50	no (Note 3)
Explanatory Notes	<p>(Note 1) mg/L (milligrams per litre)</p> <p>(Note 2) Special Frequency 1 - Quarterly and on the first day of discharge</p> <p>(Note 3) Not an exceedance as the site received greater than the 5 day 90%ile cumulative depth of 62.1 mm stated in EPL Conditon 2.1 and KEE implemented all practical measures to avoid and minimise water pollution.</p>						
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>						
Explanatory Notes	There were no discharges from this point during the month.						

Monthly Summary of EPA  
Monitoring Data continued.

Monitoring Location (EPA Point 21)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)					
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	5	< 5	5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	8	0.03	3.8	1	Yes (Note 3)
pH	pH	Daily during any discharge	8	6.61	8.15	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	8	< 5	500 (Note 4)	50	No (Note 4)
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 (Note 4) As per Condition L2.1 of the EPL this maximum value is not an exceedance as the site experienced significantly greater than the 5 day cumulative rainfall depth of 62.1mm at the time the sample was collected.						
Monitoring Location (EPA Point 22)		Enclosed Ground Level Flare in the North-Eastern corner of the Premises. Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22)					
Parameter	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	Lower Limit (Note 2)	Exceedance (yes/no)
Temperature	°C (Note 1)	Continuous	Continuous	687.4	817.1	760	No
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must <b>be greater than</b> the Lower Limit specified						

Monthly Summary of EPA  
Monitoring Data

Exceedance Table



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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED					
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084					
Monitoring Location (EPA Point 21)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 21)					
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)
Ammonia	mg/L (Note 1)	Daily during any discharge	1	30/06/2016	3.8	nil
Exceedance Information	The above laboratory result does not align with what was recorded on site using the Lovibond 2000 Tintometer (i.e. 0.2 mg/L) which led to the decision to discharge the basin. KEE had the sample reanalysed by the laboratory which returned the same result. The discrepancy may be due to a number of reasons, such as sample contamination, incorrect on-site measurement, laboratory error, etc. When investigated it was found that required procedures for sediment basin management and water sampling were adhered to. The discrepancy between on-site testing and laboratory analysis is unusual and it is the first time that there has been a discrepancy which has led to an exceedance of an ammonia limit. KEE have since purchased a Horiba D-73G Ion Meter that will be used to more precisely check the level of ammonia in surface water samples prior to discharge to reduce the likelihood of a recurrence of this type of non-compliance.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					

## Monthly Summary of EPA Monitoring Data



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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)						
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	5	118	323	369	406
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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)						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	92	92	92	92
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	8	169	361	374	430
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>					
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Volumetric flowrate	m <sup>3</sup> /h (Note 1)	Continuous	Continuous	0 (Note 2)	422	421	451
Explanatory Notes	(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero flow rate occurred on 5th June 2016 for 15 minutes. This was due to flare restart after power supply outage.						

Quarterly Summary of EPA Monitoring Data



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Monitoring Period	March 2016 - June 2016			
Sample Date	8 June 2015 (Ground Water) and 6 July 2015 (Surface Water). Delays as lab staff were unavailable to carry out the sampling. KEE staff carried out the sample collection to avoid any further delays.			
Date Published	18 July 2015			
EPA Licence No.	13091			
EPA Licence Hyperlink	<a href="http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30667&amp;SYSUID=1&amp;LICID=13091">http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30667&amp;SYSUID=1&amp;LICID=13091</a>			
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED			
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084			
Monitoring Location (EPA Point 5)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 5)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	430
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	42
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	< 0.01
pH	pH	Quarterly	1	7.4
Potassium	mg/L (Note 2)	Quarterly	1	1.7
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	< 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 6)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 6)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	310
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	50
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	< 0.01
pH	pH	Quarterly	1	7
Potassium	mg/L (Note 2)	Quarterly	1	1.8
Redox potential	mV (Note 4)	Quarterly	1	(+) 180
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 (EPA Point 7)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 7)		
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	10
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	610
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	7.5
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	13
Redox potential	mV (Note 4)	Quarterly	1	(+) 180
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280
Total organic carbon	mg/L (Note 2)	Quarterly	1	9.7
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 (EPA Point 8)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 8)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	630
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	8.2
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	16
Redox potential	mV (Note 4)	Quarterly	1	(+) 180
Total dissolved solids	mg/L (Note 2)	Quarterly	1	310
Total organic carbon	mg/L (Note 2)	Quarterly	1	13
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 9)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 9)		
Explanatory Notes	This site could not be sampled on this monitoring run due to site works at the monitoring location.			
Monitoring Location (EPA Point 10) Holding pond - no discharge from site.		Please refer to the map, Kimbriki Monitoring Sites.pdf, 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	4300
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	990
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	200
pH	pH	Quarterly	1	8
Potassium	mg/L (Note 2)	Quarterly	1	150
Redox potential	mV (Note 4)	Quarterly	1	(+) 210
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1800
Total organic carbon	mg/L (Note 2)	Quarterly	1	140
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 leachate 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)		
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	5.3
Conductivity	µS/cm (Note 1)	Quarterly	1	440
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.5
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	310
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	4.7
pH	pH	Quarterly	1	7.2
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	(+) 180
Total dissolved solids	mg/L (Note 2)	Quarterly	1	260
Total organic carbon	mg/L (Note 2)	Quarterly	1	16
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) The surface water at this monitoring point was not in a state of flow and was not being discharged off site			
Monitoring Location (EPA Point 3/12) (Note 5)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3/12)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value (Note 5)
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	< 5
Conductivity	µS/cm (Note 1)	Quarterly	1	3400
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	170
pH	pH	Quarterly	1	8
Potassium	mg/L (Note 2)	Quarterly	1	130
Redox potential	mV (Note 4)	Quarterly	1	(+) 210
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1500
Total organic carbon	mg/L (Note 2)	Quarterly	1	96
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) The surface water at this monitoring point was not in a state of flow and was contained within a holding pond.			
Monitoring Location (EPA Point 13)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 13)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	520
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	200
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.12
pH	pH	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	(+) 200
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280
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 <b>(EPA Point 14)</b> (Note 5)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location <b>(EPA 14)</b></i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	580
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	310
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	2.4
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 2)	Quarterly	1	15
Redox potential	mV (Note 4)	Quarterly	1	(+) 190
Total dissolved solids	mg/L (Note 2)	Quarterly	1	310
Total organic carbon	mg/L (Note 2)	Quarterly	1	8.3
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>(EPA Point 15)</b>		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location <b>(EPA 15)</b></i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	610
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	330
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	2.7
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 2)	Quarterly	1	14
Redox potential	mV (Note 4)	Quarterly	1	(+) 190
Total dissolved solids	mg/L (Note 2)	Quarterly	1	310
Total organic carbon	mg/L (Note 2)	Quarterly	1	8.7
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 <b>(EPA Point 21)</b> (Note 5)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location <b>(EPA 21)</b></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	8.5
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 within a sediment basin and was not being discharged off site			

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 quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Quarterly	1	6.5
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) The surface water at this monitoring point was not in a state of flow.			
Monitoring Location (EPA 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	45
Calcium	mg/L (Note 1)	Quarterly	1	2.5
Chloride	mg/L (Note 1)	Quarterly	1	93
Magnesium	mg/L (Note 1)	Quarterly	1	9.3
Nitrogen	mg/L (Note 1)	Quarterly	1	0.05
pH	pH	Quarterly	1	5.8
Potassium	mg/L (Note 1)	Quarterly	1	1
Sodium	mg/L (Note 1)	Quarterly	1	41
Standing Water Level	metres	Quarterly	1	99.6 (AHD) 16.81 (below TOC) (Note 2)
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	12
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) TOC = Top of Casing; AHD = Australian Height Datum			
Monitoring Location (EPA Point 17)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 17)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	43
Calcium	mg/L (Note 1)	Quarterly	1	3.1
Chloride	mg/L (Note 1)	Quarterly	1	79
Magnesium	mg/L (Note 1)	Quarterly	1	9
Nitrogen	mg/L (Note 1)	Quarterly	1	0.11
pH	pH	Quarterly	1	6.2
Potassium	mg/L (Note 1)	Quarterly	1	1.9
Sodium	mg/L (Note 1)	Quarterly	1	43
Standing Water Level	metres	Quarterly	1	63.37 (AHD) 6.44 (below TOC) (Note 2)
Sulfate	mg/L (Note 1)	Quarterly	1	31
Total dissolved solids	mg/L (Note 1)	Quarterly	1	190
Total organic carbon	mg/L (Note 1)	Quarterly	1	6.9
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) TOC = Top of Casing; AHD = Australian Height Datum			

Monitoring Location (EPA Point 18)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 18)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	470
Calcium	mg/L (Note 1)	Quarterly	1	9.3
Chloride	mg/L (Note 1)	Quarterly	1	310
Magnesium	mg/L (Note 1)	Quarterly	1	25
Nitrogen	mg/L (Note 1)	Quarterly	1	53
pH	pH	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	29
Sodium	mg/L (Note 1)	Quarterly	1	130
Standing Water Level	metres	Quarterly	1	82.06 (AHD) 13.32 (below TOC) (Note 2)
Sulfate	mg/L (Note 1)	Quarterly	1	41
Total dissolved solids	mg/L (Note 1)	Quarterly	1	750
Total organic carbon	mg/L (Note 1)	Quarterly	1	64
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) TOC = Top of Casing; AHD = Australian Height Datum			
Monitoring Location (EPA Point 19)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 19)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	140
Calcium	mg/L (Note 1)	Quarterly	1	15
Chloride	mg/L (Note 1)	Quarterly	1	190
Magnesium	mg/L (Note 1)	Quarterly	1	8.2
Nitrogen	mg/L (Note 1)	Quarterly	1	8.3
pH	pH	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	25
Sodium	mg/L (Note 1)	Quarterly	1	52
Standing Water Level	metres	Quarterly	1	62.53 (AHD) 2.55 (below TOC) (Note 2)
Sulfate	mg/L (Note 1)	Quarterly	1	16
Total dissolved solids	mg/L (Note 1)	Quarterly	1	470
Total organic carbon	mg/L (Note 1)	Quarterly	1	32
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) TOC = Top of Casing; AHD = Australian Height Datum			
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	55
Calcium	mg/L (Note 1)	Quarterly	1	1.9
Chloride	mg/L (Note 1)	Quarterly	1	40
Magnesium	mg/L (Note 1)	Quarterly	1	4.7
Nitrogen	mg/L (Note 1)	Quarterly	1	0.02
pH	pH	Quarterly	1	6.4
Potassium	mg/L (Note 1)	Quarterly	1	0.9
Sodium	mg/L (Note 1)	Quarterly	1	22
Standing Water Level	metres	Quarterly	1	100.31 (AHD) 21.32 (below TOC) (Note 2)
Sulfate	mg/L (Note 1)	Quarterly	1	< 5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	110
Total organic carbon	mg/L (Note 1)	Quarterly	1	18
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) TOC = Top of Casing; AHD = Australian Height Datum			