

Monthly Summary of EPA Monitoring Data



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Monitoring Period	01 June 2015 - 30 June 2015						
Date Published	10 July 2015						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	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>						
Explanatory Notes	There were no discharges from this point during the month as the basin was being enlarged from 2 ML to 8 ML capacity and all flows had to be diverted to the lower western basin (licensed discharge point 21).						
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	3	4.03	5.9	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	3	< 0.05	< 0.05	1	no
pH	pH	Daily during any discharge	3	8.1	8.5	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	3	< 5	290	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 Refer to Exceedance Table (Note 3)						

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Monitoring Location (EPA Point 3)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)					
Explanatory Notes		No surface water discharge occurred from this monitoring point during the month.					
Monitoring Location (EPA Point 21)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)					
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	4	2.1	5.1	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	4	0.42	0.61	1	no
pH	pH	Daily during any discharge	4	7.6	8.0	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	4	< 5	370	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					
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	793.2	805.4	760	No
Explanatory Notes		(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified					

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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 2)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , 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	17/06/2015	290	29
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	18/06/2015	98	32
Exceedance Information	The above results were due to rainfall although it had not exceeded the 5 day 90%ile cummulative depth of 62.1 mm (EPL Conditon 2.1). However, KEE provided EPA with a comprehensive TSS Reduction Plan on 30 June 2015 that includes major capital works aimed at reducing TSS levels in discharges. The program includes the major expansion of this basin (DP02) and extensive road paving works on the eastern access road that should ensure TSS levels are reduced.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					

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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	100 percentile limit	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	18/06/2015	370	32
Exceedance Information	<p>The above result was due to rainfall although it had not exceeded the 5 day 90%ile cumulative depth of 62.1 mm (EPL Condition 2.1). KEE provided EPA with a comprehensive TSS Reduction Plan on 30 June 2015 that includes major capital works aimed at reducing TSS levels in discharges. The program includes the major expansion of sediment basins on site and extensive road paving works that should ensure TSS levels are reduced. This result was most likely due to the fact the upper western sediment basin (EPL licensed discharge point DP01) was off line during the reporting period to allow further excavations in the basin to increase its capacity from 2 ML to 8 ML. This placed all runoff from the western side of the site directly into the lower western basin (EPL licensed discharge point DP21). These basin expansion works have now been completed so there should not be further exceedances.</p>					
Explanatory Notes	<p>(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)</p>					

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Monitoring Period	01 June 2015 - 30 June 2015						
Date Published	10 July 2015						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084						
Monitoring Location (EPA Point 1)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 1)						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month as the basin was being enlarged from 2 ML to 8 ML capacity.						
Monitoring Location (EPA Point 2)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 2)						
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	2	274	342	342	410
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 3)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 3)						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
Monitoring Location (EPA Point 21)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , 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	4	235	353	387	402
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 22)	Enclosed Ground Level Flare in the North-Eastern corner of the Premises.						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Volumetric flowrate	m ³ /h (Note 1)	Continuous	Continuous	0 (Note 2)	206	210	234
Explanatory Notes	Note 1: m ³ /h (cubic metres per hour) Note 2: System shutdown on 10 June 15 for 1.0 hr due to contractor maintenance & issues with air compressor.						

Quarterly Summary of EPA Monitoring Data



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Monitoring Period	March 2015 - June 2015
Sample Date	22 June 2015 (Surface Water) and 26 June 2015 (Ground Water)
Date Published	10 July 2015
EPA Licence No.	13091
EPA Licence Hyperlink	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30667&SYSUID=1&LICID=13091
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED
Licensee Address	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	480
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.5
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	70
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	1.7
Redox potential	mV (Note 4)	Quarterly	1	130.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	240
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	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.4
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	32
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.06
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 2)	Quarterly	1	1.6
Redox potential	mV (Note 4)	Quarterly	1	140
Total dissolved solids	mg/L (Note 2)	Quarterly	1	190
Total organic carbon	mg/L (Note 2)	Quarterly	1	< 5
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			

Monitoring Location (EPA Point 7)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 7)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.4
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	540
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	3.3
pH	pH	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	6.8
Redox potential	mV (Note 4)	Quarterly	1	98
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.8
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	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	920
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	2.6
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 2)	Quarterly	1	7.4
Redox potential	mV (Note 4)	Quarterly	1	100
Total dissolved solids	mg/L (Note 2)	Quarterly	1	160
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.7
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 9)		Please refer to the map, Kimbriki Monitoring 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	390
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	920
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.92
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 2)	Quarterly	1	7.4
Redox potential	mV (Note 4)	Quarterly	1	98
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.1
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 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	3200
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.3
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	18
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	33
pH	pH	Quarterly	1	7.3
Potassium	mg/L (Note 2)	Quarterly	1	140
Redox potential	mV (Note 4)	Quarterly	1	79
Total dissolved solids	mg/L (Note 2)	Quarterly	1	2300
Total organic carbon	mg/L (Note 2)	Quarterly	1	120
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	5.1
Conductivity	µS/cm (Note 1)	Quarterly	1	260
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.7
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	280
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.25
pH	pH	Quarterly	1	7.3
Potassium	mg/L (Note 2)	Quarterly	1	14
Redox potential	mV (Note 4)	Quarterly	1	150
Total dissolved solids	mg/L (Note 2)	Quarterly	1	130
Total organic carbon	mg/L (Note 2)	Quarterly	1	9.4
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	19
Conductivity	µS/cm (Note 1)	Quarterly	1	1000
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.3
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	9200
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	18
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 2)	Quarterly	1	53
Redox potential	mV (Note 4)	Quarterly	1	120
Total dissolved solids	mg/L (Note 2)	Quarterly	1	430
Total organic carbon	mg/L (Note 2)	Quarterly	1	28
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	410
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	0.7
pH	pH	Quarterly	1	6.9
Potassium	mg/L (Note 2)	Quarterly	1	11
Redox potential	mV (Note 4)	Quarterly	1	140
Total dissolved solids	mg/L (Note 2)	Quarterly	1	200
Total organic carbon	mg/L (Note 2)	Quarterly	1	9.2
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 14) (Note 5)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 14)		
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	8.4
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	540
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	7
pH	pH	Quarterly	1	7.3
Potassium	mg/L (Note 2)	Quarterly	1	32
Redox potential	mV (Note 4)	Quarterly	1	85
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 (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			
Monitoring Location (EPA Point 15)		Please refer to the map, Kimbriki Monitoring Sites.pdf, 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	420
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	39
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.89
pH	pH	Quarterly	1	7.1
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	130
Total dissolved solids	mg/L (Note 2)	Quarterly	1	180
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.5
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 21) (Note 5)		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 quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Quarterly	1	18
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	4.6
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 wetland polishing pond			

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	22
Calcium	mg/L (Note 1)	Quarterly	1	2.3
Chloride	mg/L (Note 1)	Quarterly	1	88
Magnesium	mg/L (Note 1)	Quarterly	1	9.9
Nitrogen	mg/L (Note 1)	Quarterly	1	0.06
pH	pH	Quarterly	1	5.5
Potassium	mg/L (Note 1)	Quarterly	1	1
Sodium	mg/L (Note 1)	Quarterly	1	42
Standing Water Level	metres	Quarterly	1	17.29
Sulfate	mg/L (Note 1)	Quarterly	1	< 2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	150
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
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	9
Calcium	mg/L (Note 1)	Quarterly	1	2.3
Chloride	mg/L (Note 1)	Quarterly	1	70
Magnesium	mg/L (Note 1)	Quarterly	1	9.2
Nitrogen	mg/L (Note 1)	Quarterly	1	0.05
pH	pH	Quarterly	1	5.4
Potassium	mg/L (Note 1)	Quarterly	1	1.6
Sodium	mg/L (Note 1)	Quarterly	1	42
Standing Water Level	metres	Quarterly	1	6.44
Sulfate	mg/L (Note 1)	Quarterly	1	46
Total dissolved solids	mg/L (Note 1)	Quarterly	1	250
Total organic carbon	mg/L (Note 1)	Quarterly	1	< 5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

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	310
Calcium	mg/L (Note 1)	Quarterly	1	13
Chloride	mg/L (Note 1)	Quarterly	1	230
Magnesium	mg/L (Note 1)	Quarterly	1	27
Nitrogen	mg/L (Note 1)	Quarterly	1	46
pH	pH	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	40
Sodium	mg/L (Note 1)	Quarterly	1	140
Standing Water Level	metres	Quarterly	1	15.07
Sulfate	mg/L (Note 1)	Quarterly	1	12
Total dissolved solids	mg/L (Note 1)	Quarterly	1	610
Total organic carbon	mg/L (Note 1)	Quarterly	1	31
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
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	9
Calcium	mg/L (Note 1)	Quarterly	1	9.4
Chloride	mg/L (Note 1)	Quarterly	1	73
Magnesium	mg/L (Note 1)	Quarterly	1	6.5
Nitrogen	mg/L (Note 1)	Quarterly	1	3.2
pH	pH	Quarterly	1	5.6
Potassium	mg/L (Note 1)	Quarterly	1	12
Sodium	mg/L (Note 1)	Quarterly	1	32
Standing Water Level	metres	Quarterly	1	2.72
Sulfate	mg/L (Note 1)	Quarterly	1	28
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220
Total organic carbon	mg/L (Note 1)	Quarterly	1	9.9
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
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	34
Calcium	mg/L (Note 1)	Quarterly	1	1.7
Chloride	mg/L (Note 1)	Quarterly	1	35
Magnesium	mg/L (Note 1)	Quarterly	1	5
Nitrogen	mg/L (Note 1)	Quarterly	1	< 0.05
pH	pH	Quarterly	1	6.2
Potassium	mg/L (Note 1)	Quarterly	1	0.9
Sodium	mg/L (Note 1)	Quarterly	1	23
Standing Water Level	metres	Quarterly	1	21.51
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	9
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			