



EPA Monitoring Data Summary



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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

Monitoring Period	Dec-21						
Date Published	7 February 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	PO BOX 196, 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	Non-compliances (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	2	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	2	<0.01	0.27	1	no
pH	pH	Daily during any discharge	2	7.62	8.05	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	6.2	32.0	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						
Monitoring Location (EPA Point 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	Non-compliances (yes/no)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						



EPA Monitoring Data Summary



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	Max. value	100 percentile limit	Non-compliances (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	<0.01	<0.01	1	no
pH	pH	Daily during any discharge	1	7.46	7.46	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	13.0	13.0	50	no
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						
Monitoring Location (EPA Point 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	Non-compliances (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	6	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	15	<0.01	0.27	1	no
pH	pH	Daily during any discharge	15	6.94	8.08	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	15	<5	280.0	50	yes
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						
Monitoring Location (EPA Point 22)		Enclosed Ground Level Flare in the North-Eastern corner of the Premises. 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)	Non-compliances (yes/no)
Residence Time	seconds	Continuous	Continuous	0.8	1.0	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	794	805	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified						



Non-compliances



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Date Published		7 February 2022				
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EPA Licence Hyperlink		https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091				
Licensee Name		KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED				
Licensee Address		PO BOX 196, Terrey Hills, NSW 2084				
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	Date of non-compliance	Value	Five-day cumulative rainfall recorded on site (mm) (Note 1)
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	10/12/2021	140	47
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	11/12/2021	280	45
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	12/12/2021	200	43
Explanatory Notes		<p>(Note 1) mm (millimetres)</p> <p>(Note 2) mg/L (milligrams per litre)</p> <p>(Note 3) While the 5-day cumulative rainfall at the time of exceedance from 10th to 12th December 2021 did not meet the five-day duration 90th percentile rainfall event allowance for discharge, the results are attributable to the western basins (EPA 1 and EPA 21) being used to treat runoff from intermittent rainfall occurring over the 5 consecutive days leading up to 10th December 2021. During the process of preparing the western basins in readiness for further rainfall on 10th and 11th December 2021, rainfall occurred which caused the basins to overflow. The basins continued to overflow on 12th December due to the run-off generated by the dams' large stormwater catchment from the preceding 7 days' rainfall. Kimbriki performs daily inspections of sediment controls and proactively maintain controls by all means practical to ensure potential for suspended solids discharge is minimised. Kimbriki will also reduce the potential for discharging elevated suspended solids by constructing an up-gradient clean water diversion system which will significantly reduce the stormwater catchment of the western basins and reduce the volume of sediment-laden water to be treated on site (project is in pre-construction phase).</p>				
Monitoring Location (EPA Points 1/11, 2, 3/12, 21)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for locations				
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Date of non-compliance	Value	Five-day cumulative rainfall recorded on site (mm) (Note 1)
See 'Quarterly Summary of EPA Monitoring Data' table	See 'Quarterly Summary of EPA Monitoring Data' table	Quarterly	N/A	December 2021	unavailable (Note 1)	N/A
Explanatory Notes		<p>(Note 1) A NATA-accredited laboratory conducts Kimbriki's quarterly surface water monitoring rounds. This includes sampling the relevant monitoring points, transporting the samples to the laboratory, testing the water samples and reporting the results to Kimbriki. The laboratory sent the report for the December 2021 quarterly monitoring round to Kimbriki in January 2022. After identifying that results were missing for four monitoring points, Kimbriki made enquiries with the laboratory. The laboratory confirmed that they sampled the monitoring points in question but they lost the samples 'somewhere between sampling and sample receipt'. Kimbriki made a recommendation to the laboratory to review the systems they have in place to prevent this error from happening again. Kimbriki will also make a request to the laboratory to schedule quarterly surface water monitoring rounds earlier in the relevant month where possible, so that missing samples can be identified sooner and relevant monitoring points can be re-sampled within the same month.</p>				



Monthly Summary of EPA Monitoring Data - No Limit

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Monitoring Period	Dec-21						
Date Published	7 February 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	PO BOX 196, 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	2	289	298	298	307
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)						
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value	Mean value	Median value	Max. value
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	313	313	313	313
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	15	253	318	322	370
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. Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22)						
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)	397	407	468
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shut down on 19th December 2021 for ~24 hours due to a power supply outage that occurred during the weekend. Flare was restarted remotely on the next business day.						



Quarterly Summary of EPA Monitoring Data



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Monitoring Period	September 2021 - December 2021 (Quarterly) . Surface water sampled 13 December 2021. Groundwater sampled 10, 13 and 21 December 2021.			
Date Published	7 February 2022			
EPA Licence No.	13091			
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SYSUID=1&LICID=13091			
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED			
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084			
Monitoring Location (EPA Point 1/11)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1/11)</i>			
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	Refer to non-compliances table	
Conductivity	µS/cm (Note 3)	Quarterly		
Dissolved Oxygen	mg/L (Note 1)	Quarterly		
Faecal Coliforms	org/100 mL (Note 4)	Quarterly		
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly		
pH	pH	Quarterly		
Potassium	mg/L (Note 1)	Quarterly		
Redox potential	mV (Note 5)	Quarterly		
Total dissolved solids	mg/L (Note 1)	Quarterly		
Total organic carbon	mg/L (Note 1)	Quarterly		
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) µS/cm (microsiemens per centimetre) (Note 4) org/100 mL (colony forming units per 100 millilitres) (Note 5) mV (millivolts)			



Quarterly Summary of EPA Monitoring Data



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 quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	Refer to non-compliances table	
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			
Monitoring Location (EPA Point 3/12)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3/12)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	Refer to non-compliances table	
Conductivity	µS/cm (Note 3)	Quarterly		
Dissolved Oxygen	mg/L (Note 1)	Quarterly		
Faecal Coliforms	org/100 mL (Note 4)	Quarterly		
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly		
pH	pH	Quarterly		
Potassium	mg/L (Note 1)	Quarterly		
Redox potential	mV (Note 5)	Quarterly		
Total dissolved solids	mg/L (Note 1)	Quarterly		
Total organic carbon	mg/L (Note 1)	Quarterly		
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) µS/cm (microsiemens per centimetre) (Note 4) org/100 mL (colony forming units per 100 millilitres) (Note 5) mV (millivolts)			



Quarterly Summary of EPA Monitoring Data



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	310
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.04
pH	pH	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	2.6
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	6.4
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)			
Monitoring Location (EPA Point 8)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 8)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	300
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 2)	Quarterly	1	5.1
Redox potential	mV (Note 4)	Quarterly	1	170
Total dissolved solids	mg/L (Note 2)	Quarterly	1	160
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.9
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)			



Quarterly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 9)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 9)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	300
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	3300
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.04
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	3.5
Redox potential	mV (Note 4)	Quarterly	1	150
Total dissolved solids	mg/L (Note 2)	Quarterly	1	160
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 10)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 10)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	4100
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	2.7
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	>24000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	220
pH	pH	Quarterly	1	8.0
Potassium	mg/L (Note 2)	Quarterly	1	230
Redox potential	mV (Note 4)	Quarterly	1	170
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1200
Total organic carbon	mg/L (Note 2)	Quarterly	1	280
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)			



Quarterly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 13)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 13)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	300
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1800
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.34
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	6.9
Redox potential	mV (Note 4)	Quarterly	1	130
Total dissolved solids	mg/L (Note 2)	Quarterly	1	190
Total organic carbon	mg/L (Note 2)	Quarterly	1	8.4
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)			
Monitoring Location (EPA Point 14)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 14)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	180
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1800
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.05
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	2.0
Redox potential	mV (Note 4)	Quarterly	1	140
Total dissolved solids	mg/L (Note 2)	Quarterly	1	100
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
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)			



Quarterly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 15)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 15)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	360
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	4100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.52
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	6.3
Redox potential	mV (Note 4)	Quarterly	1	140
Total dissolved solids	mg/L (Note 2)	Quarterly	1	240
Total organic carbon	mg/L (Note 2)	Quarterly	1	9
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 16)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 16)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	25
Calcium	mg/L (Note 1)	Quarterly	1	2.3
Chloride	mg/L (Note 1)	Quarterly	1	84
Magnesium	mg/L (Note 1)	Quarterly	1	9.8
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	<0.01
pH	pH units	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	1.0
Sodium	mg/L (Note 1)	Quarterly	1	49
Standing Water Level (TOC)	metres	Quarterly	1	17.82
Standing Water Level (m AHD)	metres	NA	NA	98.6
Sulfate	mg/L (Note 1)	Quarterly	1	<5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	14
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



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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	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	<20
Calcium	mg/L (Note 1)	Quarterly	1	2.4
Chloride	mg/L (Note 1)	Quarterly	1	83
Magnesium	mg/L (Note 1)	Quarterly	1	9.4
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.1
pH	pH units	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	2
Sodium	mg/L (Note 1)	Quarterly	1	57
Standing Water Level (TOC)	metres	Quarterly	1	7.55
Standing Water Level (m AHD)	metres	NA	NA	62.1
Sulfate	mg/L (Note 1)	Quarterly	1	30
Total dissolved solids	mg/L (Note 1)	Quarterly	1	130
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
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	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	430
Calcium	mg/L (Note 1)	Quarterly	1	47
Chloride	mg/L (Note 1)	Quarterly	1	190
Magnesium	mg/L (Note 1)	Quarterly	1	27
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	31
pH	pH units	Quarterly	1	7.3
Potassium	mg/L (Note 1)	Quarterly	1	64
Sodium	mg/L (Note 1)	Quarterly	1	140
Standing Water Level (TOC)	metres	Quarterly	1	4.09
Standing Water Level (m AHD)	metres	NA	NA	60.9
Sulfate	mg/L (Note 1)	Quarterly	1	<5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	620
Total organic carbon	mg/L (Note 1)	Quarterly	1	45
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly Summary of EPA Monitoring Data



Monitoring Location (EPA Point 20)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 20)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	<20
Calcium	mg/L (Note 1)	Quarterly	1	4.2
Chloride	mg/L (Note 1)	Quarterly	1	42
Magnesium	mg/L (Note 1)	Quarterly	1	4.8
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.02
pH	pH units	Quarterly	1	6.8
Potassium	mg/L (Note 1)	Quarterly	1	3.2
Sodium	mg/L (Note 1)	Quarterly	1	24
Standing Water Level (TOC)	metres	Quarterly	1	22.19
Standing Water Level (m AHD)	metres	NA	NA	99.47
Sulfate	mg/L (Note 1)	Quarterly	1	<5
Total dissolved solids	mg/L (Note 1)	Quarterly	1	140
Total organic carbon	mg/L (Note 1)	Quarterly	1	17
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 21)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	Refer to non-compliances table	
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			