

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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-20						
Date Published	25 January 2021						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&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	Exceedance (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	0.15	0.15	1	no
pH	pH	Daily during any discharge	1	7.91	7.91	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	750.0	750.0	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 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)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						

Monthly Summary of EPA Monitoring Data with Limits

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	Exceedance (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	0.44	0.44	1	no
pH	pH	Daily during any discharge	1	7.35	7.35	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	22.0	22.0	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	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	6	<2	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	13	<0.01	0.27	1	no
pH	pH	Daily during any discharge	13	6.62	7.99	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	13	9.4	510.0	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)	Exceedance (yes/no)
Residence Time	seconds	Continuous	Continuous	0.7	0.8	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	789	813	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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Date Published	25 January 2021					
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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, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 1)					
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Five-day cumulative rainfall recorded on site (mm) (Note 1)
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	16/12/2020	750	48.5
Explanatory Notes	<p>(Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) The 5-day cumulative rainfall at the time of the exceedance on 16th December 2020 was 78% of the 62.1 mm allowance for discharge in a five-day duration 90th percentile rainfall event. Also, the western basins (EPA 1 and EPA 21) were being used to treat runoff from previous intermittent rainfall events earlier in the month. During the process of preparing the western basins in readiness for further rainfall, rainfall occurred which caused the basins to overflow. 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 upgrade erosion and sediment controls by constructing an up-gradient clean water diversion system (development application was approved in late December 2020).</p>					
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	Five-day cumulative rainfall recorded on site (mm) (Note 1)
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	15/12/2020	280	48.0
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	16/12/2020	510	48.5
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	17/12/2020	390	48.5
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	19/12/2020	190	50.0
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	20/12/2020	190	20.0
Explanatory Notes	<p>(Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) While the 5-day cumulative rainfall at the time of the exceedance on the 15th, 16th, 17th, 19th and 20th December 2020 did not meet the five-day duration 90th percentile rainfall event allowance for discharge (being 62.1 mm), the results are attributable to the western basins (EPA 1 and EPA 21) being used to treat runoff from previous intermittent rainfall events earlier in the month. During the process of preparing the western basins in readiness for further rainfall, rainfall occurred which caused the basins to overflow. 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 upgrade erosion and sediment controls by constructing an up-gradient clean water diversion system (development application was approved in late December 2020).</p>					

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Date Published		25 January 2021					
EPA Licence No.		13091					
EPA Licence Hyperlink		https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	287	287	287	287
Explanatory Notes		(Note 1) µS/cm (microsiemens per centimetre)					
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	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)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)</i>					
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	265	265	265	265
Explanatory Notes		(Note 1) µS/cm (microsiemens per centimetre)					
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 month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	13	251	347	360	444
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. Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22)</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 ³ /h (Note 1)	Continuous	Continuous	0 (Note 2)	458	484	515
Explanatory Notes		(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shutdown on 12th December 2020 for ~0.5 hours due to a power supply outage. Flare was restarted remotely. 2. Flare was shutdown on 18th December 2020 for ~40.5 hours due to a power supply outage. Flare could not be restarted remotely over the weekend but it was able to be restarted on site on Sunday the 20th of December 2020.					

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Monitoring Period	September 2020 - December 2020. Groundwater sampled 1 December 2020. Surface water sampled 2 December 2020.			
Date Published	25 January 2021			
EPA Licence No.	13091			
EPA Licence Hyperlink	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&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)	1	<5
Conductivity	µS/cm (Note 3)	Quarterly	1	260
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	8.4
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	3300
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.16
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 1)	Quarterly	1	12
Redox potential	mV (Note 5)	Quarterly	1	210
Total dissolved solids	mg/L (Note 1)	Quarterly	1	200
Total organic carbon	mg/L (Note 1)	Quarterly	1	20
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)	1	9.6
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)	1	14
Conductivity	µS/cm (Note 3)	Quarterly	1	400
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	8.1
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	2200
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.11
pH	pH	Quarterly	1	8.0
Potassium	mg/L (Note 1)	Quarterly	1	16
Redox potential	mV (Note 5)	Quarterly	1	220
Total dissolved solids	mg/L (Note 1)	Quarterly	1	280
Total organic carbon	mg/L (Note 1)	Quarterly	1	19
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)			
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
Explanatory Notes	Sample could not be collected from this location. This monitoring location is subject to a pending licence variation application submitted to the EPA in August 2020.			

Quarterly Summary of EPA Monitoring Data

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
Explanatory Notes		Sample could not be collected from this location. This monitoring location is subject to a pending licence variation application submitted to the EPA in August 2020.		
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	390
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.6
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	3900
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.07
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 2)	Quarterly	1	6.0
Redox potential	mV (Note 4)	Quarterly	1	220
Total dissolved solids	mg/L (Note 2)	Quarterly	1	260
Total organic carbon	mg/L (Note 2)	Quarterly	1	11
Explanatory Notes		(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (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	330
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.05
pH	pH	Quarterly	1	8.1
Potassium	mg/L (Note 2)	Quarterly	1	8.0
Redox potential	mV (Note 4)	Quarterly	1	210
Total dissolved solids	mg/L (Note 2)	Quarterly	1	250
Total organic carbon	mg/L (Note 2)	Quarterly	1	9.6
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	380
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	>2400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.06
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	7.5
Redox potential	mV (Note 4)	Quarterly	1	210
Total dissolved solids	mg/L (Note 2)	Quarterly	1	230
Total organic carbon	mg/L (Note 2)	Quarterly	1	8.1
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)		<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	3700
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1900
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	300
pH	pH	Quarterly	1	8.2
Potassium	mg/L (Note 2)	Quarterly	1	170
Redox potential	mV (Note 4)	Quarterly	1	200
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1900
Total organic carbon	mg/L (Note 2)	Quarterly	1	150
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	420
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1500
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.90
pH	pH	Quarterly	1	8.2
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	300
Total organic carbon	mg/L (Note 2)	Quarterly	1	11
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (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
Explanatory Notes	Sample could not be collected as there was no flow at this location.			
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	630
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1700
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	5.9
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	20
Redox potential	mV (Note 4)	Quarterly	1	200
Total dissolved solids	mg/L (Note 2)	Quarterly	1	370
Total organic carbon	mg/L (Note 2)	Quarterly	1	18
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 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	<20
Calcium	mg/L (Note 1)	Quarterly	1	2.2
Chloride	mg/L (Note 1)	Quarterly	1	150
Magnesium	mg/L (Note 1)	Quarterly	1	9.5
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.10
pH	pH units	Quarterly	1	5.8
Potassium	mg/L (Note 1)	Quarterly	1	1.1
Sodium	mg/L (Note 1)	Quarterly	1	44
Standing Water Level (TOC)	metres	Quarterly	1	17.49
Standing Water Level (m AHD)	metres	NA	NA	98.9
Sulfate	mg/L (Note 1)	Quarterly	1	11
Total dissolved solids	mg/L (Note 1)	Quarterly	1	180
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 17)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 17)</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	2.2
Chloride	mg/L (Note 1)	Quarterly	1	140
Magnesium	mg/L (Note 1)	Quarterly	1	9.5
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.21
pH	pH units	Quarterly	1	5.2
Potassium	mg/L (Note 1)	Quarterly	1	1.8
Sodium	mg/L (Note 1)	Quarterly	1	54
Standing Water Level (TOC)	metres	Quarterly	1	7.64
Standing Water Level (m AHD)	metres	NA	NA	62.0
Sulfate	mg/L (Note 1)	Quarterly	1	37
Total dissolved solids	mg/L (Note 1)	Quarterly	1	210
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Quarterly Summary of EPA Monitoring Data

Monitoring Location (EPA Point 18)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 18)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Explanatory Notes	The nature of this monitoring location has changed due to the revised landfill footprint. This monitoring location is subject to a pending licence variation application submitted to the EPA in August 2020.			
Monitoring Location (EPA Point 19)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 19)</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	490
Calcium	mg/L (Note 1)	Quarterly	1	54
Chloride	mg/L (Note 1)	Quarterly	1	670
Magnesium	mg/L (Note 1)	Quarterly	1	31
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	38
pH	pH units	Quarterly	1	6.5
Potassium	mg/L (Note 1)	Quarterly	1	60
Sodium	mg/L (Note 1)	Quarterly	1	160
Standing Water Level (TOC)	metres	Quarterly	1	4.33
Standing Water Level (m AHD)	metres	NA	NA	60.6
Sulfate	mg/L (Note 1)	Quarterly	1	180
Total dissolved solids	mg/L (Note 1)	Quarterly	1	780
Total organic carbon	mg/L (Note 1)	Quarterly	1	27
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	1.8
Chloride	mg/L (Note 1)	Quarterly	1	65
Magnesium	mg/L (Note 1)	Quarterly	1	5
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.27
pH	pH units	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	1.0
Sodium	mg/L (Note 1)	Quarterly	1	26
Standing Water Level (TOC)	metres	Quarterly	1	21.66
Standing Water Level (m AHD)	metres	NA	NA	100.01
Sulfate	mg/L (Note 1)	Quarterly	1	<2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	90
Total organic carbon	mg/L (Note 1)	Quarterly	1	16
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)	1	<5
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			