



# 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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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](http://www.epa.nsw.gov.au)

Monitoring Period	Sep-23						
Date Published	12 October 2023						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&amp;SYSUID=1&amp;LICID=13091">https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&amp;SYSUID=1&amp;LICID=13091</a>						
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)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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)
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	Non-compliances (yes/no)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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	1.0	1	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	794	804	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 - No Limit **KIMBRIKI**



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Monitoring Period	Sep-23						
Date Published	12 October 2023						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&amp;SYSUID=1&amp;LICID=13091">https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&amp;SYSUID=1&amp;LICID=13091</a>						
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
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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
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	Mean value	Median value	Max. value
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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 <sup>3</sup> /h (Note 1)	Continuous	Continuous	0 (Note 2)	328	328	369
Explanatory Notes	(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shut down on 1st September 2023 for 1 hour due to methane analyser fault. The flare was restarted remotely.						



# Quarterly Summary of EPA Monitoring Data



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Monitoring Period	June 2023 - September 2023 Surface water sampled 18 September 2023. Groundwater sampled 19 September 2023			
Date Published	12 October 2023			
EPA Licence No.	13091			
EPA Licence Hyperlink	<a href="https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&amp;SYSUID=1&amp;LICID=13091">https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&amp;SYSUID=1&amp;LICID=13091</a>			
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	16
Conductivity	µS/cm (Note 3)	Quarterly	1	403
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	7.84
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	92
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.22
pH	pH	Quarterly	1	9.08
Potassium	mg/L (Note 1)	Quarterly	1	6.8
Redox potential	mV (Note 5)	Quarterly	1	151.0
Total dissolved solids	mg/L (Note 1)	Quarterly	1	254
Total organic carbon	mg/L (Note 1)	Quarterly	1	210.3
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) 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	2
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	3
Conductivity	µS/cm (Note 3)	Quarterly	1	371
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	9.19
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	44
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.07
pH	pH	Quarterly	1	8.79
Potassium	mg/L (Note 1)	Quarterly	1	6.60
Redox potential	mV (Note 5)	Quarterly	1	150.0
Total dissolved solids	mg/L (Note 1)	Quarterly	1	224
Total organic carbon	mg/L (Note 1)	Quarterly	1	7.5
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	357
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	13.52
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~150
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01
pH	pH	Quarterly	1	8.09
Potassium	mg/L (Note 2)	Quarterly	1	7
Redox potential	mV (Note 4)	Quarterly	1	170.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	219
Total organic carbon	mg/L (Note 2)	Quarterly	1	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	366
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.82
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01
pH	pH	Quarterly	1	8.19
Potassium	mg/L (Note 2)	Quarterly	1	7.1
Redox potential	mV (Note 4)	Quarterly	1	189.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	239
Total organic carbon	mg/L (Note 2)	Quarterly	1	4.2
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)			



# Quarterly Summary of EPA Monitoring Data



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	384
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.47
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	280
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01
pH	pH	Quarterly	1	8.44
Potassium	mg/L (Note 2)	Quarterly	1	7.8
Redox potential	mV (Note 4)	Quarterly	1	159.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	244
Total organic carbon	mg/L (Note 2)	Quarterly	1	5.1
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)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 10)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	1500
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.38
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~43000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	298
pH	pH	Quarterly	1	8.64
Potassium	mg/L (Note 2)	Quarterly	1	192.0
Redox potential	mV (Note 4)	Quarterly	1	100.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1732
Total organic carbon	mg/L (Note 2)	Quarterly	1	186.3
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)			



# 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	622
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10.19
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~12
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	7.54
pH	pH	Quarterly	1	7.71
Potassium	mg/L (Note 2)	Quarterly	1	16
Redox potential	mV (Note 4)	Quarterly	1	14.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	298
Total organic carbon	mg/L (Note 2)	Quarterly	1	162.9
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 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.			





# 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	601
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10.05
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~950
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	7.5
pH	pH	Quarterly	1	7.55
Potassium	mg/L (Note 2)	Quarterly	1	18
Redox potential	mV (Note 4)	Quarterly	1	35.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	312
Total organic carbon	mg/L (Note 2)	Quarterly	1	15.8
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 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
Explanatory Notes	Sample could not be collected as there was no flow at this location.			



# Quarterly Summary of EPA Monitoring Data



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	<5
Calcium	mg/L (Note 1)	Quarterly	1	1.86
Chloride	mg/L (Note 1)	Quarterly	1	70
Magnesium	mg/L (Note 1)	Quarterly	1	7.81
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.14
pH	pH units	Quarterly	1	5.8
Potassium	mg/L (Note 1)	Quarterly	1	1.3
Sodium	mg/L (Note 1)	Quarterly	1	43.9
Standing Water Level (TOC)	metres	Quarterly	1	7.53
Standing Water Level (m AHD)	metres	NA	NA	62.1
Sulfate	mg/L (Note 1)	Quarterly	1	14
Total dissolved solids	mg/L (Note 1)	Quarterly	1	194
Total organic carbon	mg/L (Note 1)	Quarterly	1	2
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	<5
Calcium	mg/L (Note 1)	Quarterly	1	45.4
Chloride	mg/L (Note 1)	Quarterly	1	200
Magnesium	mg/L (Note 1)	Quarterly	1	30.4
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	30.6
pH	pH units	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	51.5
Sodium	mg/L (Note 1)	Quarterly	1	137
Standing Water Level (TOC)	metres	Quarterly	1	3.83
Standing Water Level (m AHD)	metres	NA	NA	61.1
Sulfate	mg/L (Note 1)	Quarterly	1	1
Total dissolved solids	mg/L (Note 1)	Quarterly	1	732
Total organic carbon	mg/L (Note 1)	Quarterly	1	45.6
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 <b>quarter</b>	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	<5
Calcium	mg/L (Note 1)	Quarterly	1	1.55
Chloride	mg/L (Note 1)	Quarterly	1	37
Magnesium	mg/L (Note 1)	Quarterly	1	4.68
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.01
pH	pH units	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	1.0
Sodium	mg/L (Note 1)	Quarterly	1	22.5
Standing Water Level (TOC)	metres	Quarterly	1	21.65
Standing Water Level (m AHD)	metres	NA	NA	100.01
Sulfate	mg/L (Note 1)	Quarterly	1	<1
Total dissolved solids	mg/L (Note 1)	Quarterly	1	128
Total organic carbon	mg/L (Note 1)	Quarterly	1	5
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 <b>quarter</b>	Value
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	3
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			