



# 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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	Dec-23						
Date Published	5 January 2024						
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, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 1)					
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)		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	Max. value	100 percentile limit	Non-compliances (yes/no)
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						



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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)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	<2	<2	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.13	0.13	1	no
pH	pH	Daily during any discharge	1	7.11	7.11	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	18.0	18.0	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 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	1.1	1.3	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	794.8	805.4	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must <b>be greater than</b> the Lower Limit specified						



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Monitoring Period	Dec-23						
Date Published	5 January 2024						
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	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)	<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
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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	1	268	268	268	268
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 <sup>3</sup> /h (Note 1)	Continuous	Continuous	0 (Note 2)	296	297	315



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Explanatory Notes	<p>(Note 1) m<sup>3</sup>/h (cubic metres per hour)</p> <p>(Note 2) Zero value due to:</p> <ol style="list-style-type: none"><li>1. Flare was shut down on 7th December 2023 shutdown twice for 0.75 hours due to power supply outage. The flare was restarted remotely.</li><li>2. Flare was shut down on 9th December 2023 for 0.12 hour due to flame fail. The flare was restarted remotely.</li><li>3. Flare was shut down on 23rd December 2023 for 0.12 hour due to flame fail. The flare was restarted remotely.</li></ol>
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Monitoring Period	September 2023 - December 2023 (Quarterly) Surface water sampled 13 December 2023. Groundwater sampled 13 December 2023.			
Date Published	5 January 2024			
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	3
Conductivity	µS/cm (Note 3)	Quarterly	1	432
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	7.66
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	92
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.19
pH	pH	Quarterly	1	8.11
Potassium	mg/L (Note 1)	Quarterly	1	10.4
Redox potential	mV (Note 5)	Quarterly	1	164
Total dissolved solids	mg/L (Note 1)	Quarterly	1	260
Total organic carbon	mg/L (Note 1)	Quarterly	1	11.4
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) µS/cm (microsiemens per centimetre) (Note 4) org/100 mL (colony forming units per 100 millilitres) (Note 5) mV (millivolts)			



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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	26
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	286
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	6.97
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	740
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.04
pH	pH	Quarterly	1	8.2
Potassium	mg/L (Note 1)	Quarterly	1	7.9
Redox potential	mV (Note 5)	Quarterly	1	158
Total dissolved solids	mg/L (Note 1)	Quarterly	1	194
Total organic carbon	mg/L (Note 1)	Quarterly	1	10.8
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 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	427
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	12.74
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.09
pH	pH	Quarterly	1	7.96



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Potassium	mg/L (Note 2)	Quarterly	1	9.4
Redox potential	mV (Note 4)	Quarterly	1	147
Total dissolved solids	mg/L (Note 2)	Quarterly	1	234
Total organic carbon	mg/L (Note 2)	Quarterly	1	8.2
Explanatory Notes	(Note 1) $\mu\text{S/cm}$ (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	$\mu\text{S/cm}$ (Note 1)	Quarterly	1	429
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.7
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1500
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.01
pH	pH	Quarterly	1	8.41
Potassium	mg/L (Note 2)	Quarterly	1	9.1
Redox potential	mV (Note 4)	Quarterly	1	123
Total dissolved solids	mg/L (Note 2)	Quarterly	1	254
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.9
Explanatory Notes	(Note 1) $\mu\text{S/cm}$ (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	$\mu\text{S/cm}$ (Note 1)	Quarterly	1	498
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.11
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.05
pH	pH	Quarterly	1	8.12
Potassium	mg/L (Note 2)	Quarterly	1	9.5
Redox potential	mV (Note 4)	Quarterly	1	160
Total dissolved solids	mg/L (Note 2)	Quarterly	1	314
Total organic carbon	mg/L (Note 2)	Quarterly	1	11.4
Explanatory Notes	(Note 1) $\mu\text{S/cm}$ (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)			



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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	4250
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	6.31
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	70000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	233
pH	pH	Quarterly	1	8.02
Potassium	mg/L (Note 2)	Quarterly	1	200
Redox potential	mV (Note 4)	Quarterly	1	114
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1960
Total organic carbon	mg/L (Note 2)	Quarterly	1	193.2
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 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	867
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.84
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	190
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	13
pH	pH	Quarterly	1	6.85
Potassium	mg/L (Note 2)	Quarterly	1	20.1
Redox potential	mV (Note 4)	Quarterly	1	-28
Total dissolved solids	mg/L (Note 2)	Quarterly	1	562
Total organic carbon	mg/L (Note 2)	Quarterly	1	27.7
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)			





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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 <b>quarter</b>	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 <b>quarter</b>	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	717
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.92
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	630
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	12.2
pH	pH	Quarterly	1	7.2
Potassium	mg/L (Note 2)	Quarterly	1	22.7
Redox potential	mV (Note 4)	Quarterly	1	-15.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	382
Total organic carbon	mg/L (Note 2)	Quarterly	1	22.7
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 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 <b>quarter</b>	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	<5
Calcium	mg/L (Note 1)	Quarterly	1	2.05
Chloride	mg/L (Note 1)	Quarterly	1	78
Magnesium	mg/L (Note 1)	Quarterly	1	8.48
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.23
pH	pH units	Quarterly	1	5.8
Potassium	mg/L (Note 1)	Quarterly	1	1.5
Sodium	mg/L (Note 1)	Quarterly	1	46.7
Standing Water Level (TOC)	metres	Quarterly	1	7.62
Standing Water Level (m AHD)	metres	NA	NA	62
Sulfate	mg/L (Note 1)	Quarterly	1	15
Total dissolved solids	mg/L (Note 1)	Quarterly	1	233
Total organic carbon	mg/L (Note 1)	Quarterly	1	4.8
Explanatory Notes		(Note 1) mg/L (milligrams per litre)		



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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	<5
Calcium	mg/L (Note 1)	Quarterly	1	47.5
Chloride	mg/L (Note 1)	Quarterly	1	230
Magnesium	mg/L (Note 1)	Quarterly	1	32.1
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	29.4
pH	pH units	Quarterly	1	6.4
Potassium	mg/L (Note 1)	Quarterly	1	55.1
Sodium	mg/L (Note 1)	Quarterly	1	138
Standing Water Level (TOC)	metres	Quarterly	1	3.95
Standing Water Level (m AHD)	metres	NA	NA	61
Sulfate	mg/L (Note 1)	Quarterly	1	1.1
Total dissolved solids	mg/L (Note 1)	Quarterly	1	862
Total organic carbon	mg/L (Note 1)	Quarterly	1	39.5
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
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	<5
Calcium	mg/L (Note 1)	Quarterly	1	1.71
Chloride	mg/L (Note 1)	Quarterly	1	46
Magnesium	mg/L (Note 1)	Quarterly	1	4.94
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.14
pH	pH units	Quarterly	1	6.5
Potassium	mg/L (Note 1)	Quarterly	1	2.5
Sodium	mg/L (Note 1)	Quarterly	1	23.4
Standing Water Level (TOC)	metres	Quarterly	1	23.62
Standing Water Level (m AHD)	metres	NA	NA	98.04
Sulfate	mg/L (Note 1)	Quarterly	1	6.4
Total dissolved solids	mg/L (Note 1)	Quarterly	1	138
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 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	<2
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			