



Quarterly Summary of EPA Monitoring Data



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	March 2023 - June 2023 (Quarterly) Surface water sampled 20 June 2023. Groundwater sampled 20 June 2023.			
Date Published	7 July 2023			
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)	1	<2
Conductivity	µS/cm (Note 3)	Quarterly	1	442
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	11.61
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	14
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.87
pH	pH	Quarterly	1	7.52
Potassium	mg/L (Note 1)	Quarterly	1	8.1
Redox potential	mV (Note 5)	Quarterly	1	224
Total dissolved solids	mg/L (Note 1)	Quarterly	1	280
Total organic carbon	mg/L (Note 1)	Quarterly	1	7.7
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)		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)	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)		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
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	4
Conductivity	µS/cm (Note 3)	Quarterly	1	366
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	11.5
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	20
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.01
pH	pH	Quarterly	1	7.68
Potassium	mg/L (Note 1)	Quarterly	1	7.40
Redox potential	mV (Note 5)	Quarterly	1	240.0
Total dissolved solids	mg/L (Note 1)	Quarterly	1	250
Total organic carbon	mg/L (Note 1)	Quarterly	1	7.6
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)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 7)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	446.00
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	13.36
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~900
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	8.09
Potassium	mg/L (Note 2)	Quarterly	1	9.30
Redox potential	mV (Note 4)	Quarterly	1	186.0



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Total dissolved solids	mg/L (Note 2)	Quarterly	1	308
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.3
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	449
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10.89
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~1100
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	7.87
Potassium	mg/L (Note 2)	Quarterly	1	9.3
Redox potential	mV (Note 4)	Quarterly	1	187
Total dissolved solids	mg/L (Note 2)	Quarterly	1	304
Total organic carbon	mg/L (Note 2)	Quarterly	1	26.1
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	434
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10.4
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	320
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	7.77
Potassium	mg/L (Note 2)	Quarterly	1	9.5
Redox potential	mV (Note 4)	Quarterly	1	209
Total dissolved solids	mg/L (Note 2)	Quarterly	1	290
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.5
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)		<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	4960
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.32
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	~260000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	323
pH	pH	Quarterly	1	7.88
Potassium	mg/L (Note 2)	Quarterly	1	180
Redox potential	mV (Note 4)	Quarterly	1	111
Total dissolved solids	mg/L (Note 2)	Quarterly	1	2227
Total organic carbon	mg/L (Note 2)	Quarterly	1	192.6
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)			
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	504
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.97
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	5
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	4.48
pH	pH	Quarterly	1	6.98
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	20
Total dissolved solids	mg/L (Note 2)	Quarterly	1	297
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)			



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Monitoring Location (EPA Point 14)		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
Explanatory Notes		Sample could not be collected as there was no flow at this location.		
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	504
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10.21
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	14
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	4.6
pH	pH	Quarterly	1	7.17
Potassium	mg/L (Note 2)	Quarterly	1	12.6
Redox potential	mV (Note 4)	Quarterly	1	11
Total dissolved solids	mg/L (Note 2)	Quarterly	1	304
Total organic carbon	mg/L (Note 2)	Quarterly	1	9.5
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 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	1.97
Chloride	mg/L (Note 1)	Quarterly	1	77
Magnesium	mg/L (Note 1)	Quarterly	1	8.97
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.16
pH	pH units	Quarterly	1	5.8
Potassium	mg/L (Note 1)	Quarterly	1	1.5
Sodium	mg/L (Note 1)	Quarterly	1	48
Standing Water Level (TOC)	metres	Quarterly	1	7.34
Standing Water Level (m AHD)	metres	NA	NA	62.3
Sulfate	mg/L (Note 1)	Quarterly	1	14
Total dissolved solids	mg/L (Note 1)	Quarterly	1	217
Total organic carbon	mg/L (Note 1)	Quarterly	1	2.8
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	41.7
Chloride	mg/L (Note 1)	Quarterly	1	210
Magnesium	mg/L (Note 1)	Quarterly	1	33.5
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	27.2
pH	pH units	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	47.2
Sodium	mg/L (Note 1)	Quarterly	1	142
Standing Water Level (TOC)	metres	Quarterly	1	3.95
Standing Water Level (m AHD)	metres	NA	NA	61.0
Sulfate	mg/L (Note 1)	Quarterly	1	0.18
Total dissolved solids	mg/L (Note 1)	Quarterly	1	790
Total organic carbon	mg/L (Note 1)	Quarterly	1	41.9
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	1.55
Chloride	mg/L (Note 1)	Quarterly	1	41
Magnesium	mg/L (Note 1)	Quarterly	1	4.83
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.04
pH	pH units	Quarterly	1	6.4
Potassium	mg/L (Note 1)	Quarterly	1	1.3
Sodium	mg/L (Note 1)	Quarterly	1	23.2
Standing Water Level (TOC)	metres	Quarterly	1	21.5
Standing Water Level (m AHD)	metres	NA	NA	100.16
Sulfate	mg/L (Note 1)	Quarterly	1	0.39
Total dissolved solids	mg/L (Note 1)	Quarterly	1	123
Total organic carbon	mg/L (Note 1)	Quarterly	1	6
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 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			



EPA Monitoring Data Summary



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Monitoring Period	Jun-23						
Date Published	7 July 2023						
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)
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						
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	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)	<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	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)	<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>						
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	1.1	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	794.2	803.8	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified						



Monthly Summary of EPA Monitoring Data - No Limit **KIMBRIKI**



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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, 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 ³ /h (Note 1)	Continuous	Continuous	333	386	386	425
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour)						