



EPA Monitoring Data Summary



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Monitoring Period	Jun-21						
Date Published	16 July 2021						
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, <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.						
Monitoring Location (EPA Point 3)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , 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, <i>Kimbriki Monitoring Sites.pdf</i> , 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)	4	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	5	<0.01	0.06	1	no
pH	pH	Daily during any discharge	5	7.52	7.93	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	5	5.6	86	50	yes
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



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	0.7	0.8	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	792	807	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	16 July 2021					
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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, <i>Kimbriki Monitoring Sites.pdf</i> , 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	21/06/2021	86	33
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 exceedance on 21st June 2021 did not meet the five-day duration 90th percentile rainfall event allowance for discharge (being 62.1 mm), the result is attributable to the western basins (EPA 1 and EPA 21) being used to treat runoff from intermittent rainfall events leading up to the day of exceedance. 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 (project is in procurement phase).</p>					



Monthly Summary of EPA Monitoring Data - No Limit

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Monitoring Period	Jun-21						
Date Published	16 July 2021						
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
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
Conductivity	µS/cm (Note 1)	Daily during any discharge	5	270	363	377	416
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)	483	491	527
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shutdown on 8th June 2021 for ~3 hours due to a power supply outage. Flare was restarted remotely after multiple attempts. 2. Flare was shutdown on 17th June 2021 for ~9 hours due to a power supply outage. Flare was restarted remotely after a tripped switch on the air compressor was reset on site.						



Quarterly Summary of EPA Monitoring Data



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Monitoring Period	March 2021 - June 2021(Quarterly). Ground water sampled 10 June 2021. Surface water sampled 11 June 2021.			
Date Published	16 July 2021			
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	<5
Conductivity	µS/cm (Note 3)	Quarterly	1	120
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	30
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.03
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 1)	Quarterly	1	4.2
Redox potential	mV (Note 5)	Quarterly	1	390
Total dissolved solids	mg/L (Note 1)	Quarterly	1	92
Total organic carbon	mg/L (Note 1)	Quarterly	1	8.7
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)			



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	<5
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	<5
Conductivity	µS/cm (Note 3)	Quarterly	1	310
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	8.8
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	500
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.81
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 1)	Quarterly	1	11
Redox potential	mV (Note 5)	Quarterly	1	350
Total dissolved solids	mg/L (Note 1)	Quarterly	1	180
Total organic carbon	mg/L (Note 1)	Quarterly	1	9.2
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)		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	280
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	1400
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.09
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	4.2
Redox potential	mV (Note 4)	Quarterly	1	370
Total dissolved solids	mg/L (Note 2)	Quarterly	1	200
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)			
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	µS/cm (Note 1)	Quarterly	1	320
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	800
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.05
pH	pH	Quarterly	1	8.1
Potassium	mg/L (Note 2)	Quarterly	1	6.7
Redox potential	mV (Note 4)	Quarterly	1	270
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.6
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 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	310
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.0
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	2200
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.05
pH	pH	Quarterly	1	8.1
Potassium	mg/L (Note 2)	Quarterly	1	7.9
Redox potential	mV (Note 4)	Quarterly	1	330
Total dissolved solids	mg/L (Note 2)	Quarterly	1	220
Total organic carbon	mg/L (Note 2)	Quarterly	1	8.0
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 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	4000
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	2.8
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	15000
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	320
pH	pH	Quarterly	1	8.1
Potassium	mg/L (Note 2)	Quarterly	1	180
Redox potential	mV (Note 4)	Quarterly	1	250
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1800
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)			
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	440
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	70
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	2.3
pH	pH	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	15
Redox potential	mV (Note 4)	Quarterly	1	320
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280
Total organic carbon	mg/L (Note 2)	Quarterly	1	9.8
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)			



Quarterly Summary of EPA Monitoring Data



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	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.1
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	300
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.5
pH	pH	Quarterly	1	7.6
Potassium	mg/L (Note 2)	Quarterly	1	12
Redox potential	mV (Note 4)	Quarterly	1	320
Total dissolved solids	mg/L (Note 2)	Quarterly	1	240
Total organic carbon	mg/L (Note 2)	Quarterly	1	13
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	57
Calcium	mg/L (Note 1)	Quarterly	1	2.2
Chloride	mg/L (Note 1)	Quarterly	1	81
Magnesium	mg/L (Note 1)	Quarterly	1	8.9
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.04
pH	pH units	Quarterly	1	5.5
Potassium	mg/L (Note 1)	Quarterly	1	1.0
Sodium	mg/L (Note 1)	Quarterly	1	41
Standing Water Level (TOC)	metres	Quarterly	1	17.39
Standing Water Level (m AHD)	metres	NA	NA	99
Sulfate	mg/L (Note 1)	Quarterly	1	<2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	250
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	53
Calcium	mg/L (Note 1)	Quarterly	1	1.5
Chloride	mg/L (Note 1)	Quarterly	1	82
Magnesium	mg/L (Note 1)	Quarterly	1	8.2
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.12
pH	pH units	Quarterly	1	5.7
Potassium	mg/L (Note 1)	Quarterly	1	1.3
Sodium	mg/L (Note 1)	Quarterly	1	46
Standing Water Level (TOC)	metres	Quarterly	1	7.69
Standing Water Level (m AHD)	metres	NA	NA	61.9
Sulfate	mg/L (Note 1)	Quarterly	1	24
Total dissolved solids	mg/L (Note 1)	Quarterly	1	150
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 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	480
Calcium	mg/L (Note 1)	Quarterly	1	49
Chloride	mg/L (Note 1)	Quarterly	1	230
Magnesium	mg/L (Note 1)	Quarterly	1	26
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	37
pH	pH units	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	60
Sodium	mg/L (Note 1)	Quarterly	1	140
Standing Water Level (TOC)	metres	Quarterly	1	4.10
Standing Water Level (m AHD)	metres	NA	NA	60.9
Sulfate	mg/L (Note 1)	Quarterly	1	<2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	670
Total organic carbon	mg/L (Note 1)	Quarterly	1	39
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	31
Calcium	mg/L (Note 1)	Quarterly	1	1.7
Chloride	mg/L (Note 1)	Quarterly	1	39
Magnesium	mg/L (Note 1)	Quarterly	1	4.7
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.67
pH	pH units	Quarterly	1	6.3
Potassium	mg/L (Note 1)	Quarterly	1	0.9
Sodium	mg/L (Note 1)	Quarterly	1	24
Standing Water Level (TOC)	metres	Quarterly	1	22.07
Standing Water Level (m AHD)	metres	NA	NA	99.59
Sulfate	mg/L (Note 1)	Quarterly	1	<2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	78
Total organic carbon	mg/L (Note 1)	Quarterly	1	15
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	<5
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge			