



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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

Monitoring Period	Jun-22						
Date Published	15 July 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=246158&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)
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	0.07	0.07	1	no
pH	pH	Daily during any discharge	1	7.71	7.71	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	15.0	15.0	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 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.						



EPA Monitoring Data Summary



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)	5	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	14	<0.01	0.33	1	no
pH	pH	Daily during any discharge	14	7.57	7.90	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	14	<5	30.0	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	0.8	1.1	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	792	806	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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Monitoring Period	Jun-22					
Date Published	15 July 2022					
EPA Licence No.	13091					
EPA Licence Hyperlink	https://kimbriki.com.au/wp-content/uploads/2022/06/2022_05_May_EPA_Monitoring_Data_Summary-Table_Rev0.pdf					
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED					
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084					
Monitoring Location (EPA Points 4, 16, 17, 19, 20)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for locations					
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)
See 'Quarterly + Yearly Summary of EPA Monitoring Data' table and 'Quarterly Summary of EPA Monitoring Data' table	See 'Quarterly + Yearly Summary of EPA Monitoring Data' table and 'Quarterly Summary of EPA Monitoring Data' table	Quarterly and Yearly	N/A	3/6/22 and 24/6/2022	Unavailable (Note 1)	N/A
Explanatory Notes	<p>(Note 1) A NATA-accredited laboratory conducts Kimbriki's quarterly (and yearly) groundwater monitoring rounds. There is missing data for the monitoring points in question for the following reasons:</p> <p>(1) the groundwater monitoring bores at points 16 and 20 became inoperable so the laboratory could not sample these points.</p> <p>(2) of the monitoring points that were sampled, the laboratory was inexplicably missing data for a few analytes.</p> <p>KEE recently engaged a new NATA accredited laboratory to conduct quarterly and annual surface water and groundwater monitoring. If the new laboratory cannot operate these bores, both/either of these monitoring points will be the subject of a licence variation. Also, it is anticipated that the new laboratory will have more rigorous quality control processes to prevent this issue from occurring.</p>					



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



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Monitoring Period	Jun-22						
Date Published	15 July 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=246158&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
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	353	353	353	353
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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	14	289	373	375	426
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)	358	384	430
Explanatory Notes	<p>(Note 1) m³/h (cubic metres per hour)</p> <p>(Note 2) Zero value due to:</p> <ol style="list-style-type: none"> Flare was shut down on 1st June 2022 for ~22.25 hours due to a power supply outage. A component of the flaring system was impacted by the outage, which delayed the flare restart process. The flare was restarted on site after the flaring system contractor diagnosed the issue and reset the system. Flare was shut down on 21st June 2022 for ~26.5 hours due to a power supply outage. There was a delayed flare restart as the flaring system contractor did not receive the initial auto-generated SMS notification for the shut down. The flare was eventually restarted remotely. Flare was shut down on 21st June 2022 for ~0.25 hour for maintenance. The flare was restarted remotely after maintenance was completed. 						



Quarterly + Yearly Summary of EPA Monitoring Data



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Monitoring Period	March 2021 - March 2022 (Yearly). Groundwater sampled 3 June 2022 and 10 June 2022. The March 2022 annual ground water monitoring round was postponed due to rainfall events which made site conditions unsafe for sampling and water testing at monitoring points, as well as the limited availability of the laboratory's field sampling team.			
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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED			
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084			
Monitoring Location (EPA Point 4) Leachate Holding Riser - no discharge from site.		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 4)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	yearly	1	2100
Aluminium	mg/L (Note 1)	yearly	1	0.25
Arsenic	mg/L (Note 1)	yearly	1	0.064
Barium	mg/L (Note 1)	yearly	1	0.82
Benzene	mg/L (Note 1)	yearly	1	<0.001
Cadmium	mg/L (Note 1)	yearly	1	<0.0002
Calcium	mg/L (Note 1)	yearly	1	Unavailable
Chloride	mg/L (Note 1)	yearly	1	300
Chromium (hexavalent)	mg/L (Note 1)	yearly	1	0.063
Chromium (total)	mg/L (Note 1)	yearly	1	0.16
Cobalt	mg/L (Note 1)	yearly	1	0.008
Conductivity	µS/cm (Note 2)	yearly	1	2700
Copper	mg/L (Note 1)	yearly	1	0.005
Ethylbenzene	mg/L (Note 1)	yearly	1	<0.001
Fluoride	mg/L (Note 1)	yearly	1	1.4
Lead	mg/L (Note 1)	yearly	1	0.003
Magnesium	mg/L (Note 1)	yearly	1	Unavailable
Manganese	mg/L (Note 1)	yearly	1	0.38
Mercury	mg/L (Note 1)	yearly	1	<0.0001



Quarterly + Yearly Summary of EPA Monitoring Data



Nitrate + Nitrite (oxidised nitrogen)	mg/L (Note 1)	yearly	1	1.1
Nitrogen (Ammonia)	mg/L (Note 1)	yearly	1	31
Organochlorine pesticides	mg/L (Note 1)	yearly	1	<0.005
Organophosphate pesticides	mg/L (Note 1)	yearly	1	<0.02
Ortho phosphate	mg/L (Note 1)	yearly	1	0.06
pH	pH units	yearly	1	8.1
Phosphorus (total)	mg/L (Note 1)	yearly	1	2.8
Polycyclic aromatic hydrocarbons	mg/L (Note 1)	yearly	1	<0.001
Potassium	mg/L (Note 1)	yearly	1	220
Sodium	mg/L (Note 1)	yearly	1	370
Standing Water Level (m below TOC)	metres	yearly	1	In situ
Standing Water Level (m AHD)	metres	yearly	1	In situ
Sulphate	mg/L (Note 1)	yearly	1	21
Toluene	mg/L (Note 1)	yearly	1	<0.001
Total Dissolved Solids	mg/L (Note 1)	yearly	1	2400
Total Organic Carbon	mg/L (Note 1)	yearly	1	170
Total Petroleum Hydrocarbons	mg/L (Note 1)	yearly	1	2.04
Total Phenolics	mg/L (Note 1)	yearly	1	<0.05
Total Suspended Solids	mg/L (Note 1)	yearly	1	170
Xylene	mg/L (Note 1)	yearly	1	<0.003
Zinc	mg/L (Note 1)	yearly	1	0.031
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) μ S/cm (microsiemens per centimetre)			



Quarterly + Yearly 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/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	Unavailable
Aluminium	mg/L (Note 1)	Yearly	1	
Arsenic	mg/L (Note 1)	Yearly	1	
Barium	mg/L (Note 1)	Yearly	1	
Benzene	mg/L (Note 1)	Yearly	1	
Cadmium	mg/L (Note 1)	Yearly	1	
Calcium	mg/L (Note 1)	Quarterly	1	
Chloride	mg/L (Note 1)	Quarterly	1	
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	
Chromium (total)	mg/L (Note 1)	Yearly	1	
Cobalt	mg/L (Note 1)	Yearly	1	
Copper	mg/L (Note 1)	Yearly	1	
Ethylbenzene	mg/L (Note 1)	Yearly	1	
Fluoride	mg/L (Note 1)	Yearly	1	
Lead	mg/L (Note 1)	Yearly	1	
Magnesium	mg/L (Note 1)	Quarterly	1	
Manganese	mg/L (Note 1)	Yearly	1	
Mercury	mg/L (Note 1)	Yearly	1	
Nitrate + Nitrite (oxidised)	mg/L (Note 1)	Yearly	1	
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	
pH	pH units	Quarterly	1	
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	
Potassium	mg/L (Note 1)	Quarterly	1	
Sodium	mg/L (Note 1)	Quarterly	1	
Standing Water Level (TOC)	metres	Quarterly	1	



Quarterly + Yearly Summary of EPA Monitoring Data



Standing Water Level (m AHD)	metres	NA	NA	Unavailable
Sulfate	mg/L (Note 1)	Quarterly	1	
Toluene	mg/L (Note 1)	Yearly	1	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	
Total organic carbon	mg/L (Note 1)	Quarterly	1	
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	
Total Phenolics	mg/L (Note 1)	Yearly	1	
Xylene	mg/L (Note 1)	Yearly	1	
Zinc	mg/L (Note 1)	Yearly	1	
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly + Yearly Summary of EPA Monitoring Data



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/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	<20
Aluminium	mg/L (Note 1)	Yearly	1	0.98
Arsenic	mg/L (Note 1)	Yearly	1	<0.001
Barium	mg/L (Note 1)	Yearly	1	0.04
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	Unavailable
Chloride	mg/L (Note 1)	Quarterly	1	28
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.002
Cobalt	mg/L (Note 1)	Yearly	1	0.004
Copper	mg/L (Note 1)	Yearly	1	0.01
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001
Fluoride	mg/L (Note 1)	Yearly	1	<0.5
Lead	mg/L (Note 1)	Yearly	1	0.01
Magnesium	mg/L (Note 1)	Quarterly	1	Unavailable
Manganese	mg/L (Note 1)	Yearly	1	0.34
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite (oxidised)	mg/L (Note 1)	Yearly	1	0.05
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.2
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.005
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	6.2
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	1.4
Sodium	mg/L (Note 1)	Quarterly	1	21
Standing Water Level (TOC)	metres	Quarterly	1	Unavailable
Standing Water Level (m AHD)	metres	NA	NA	Unavailable



Quarterly + Yearly Summary of EPA Monitoring Data



Sulfate	mg/L (Note 1)	Quarterly	1	13
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	84
Total organic carbon	mg/L (Note 1)	Quarterly	1	<5
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	0.27
Total Phenolics	mg/L (Note 1)	Yearly	1	<0.05
Xylene	mg/L (Note 1)	Yearly	1	<0.003
Zinc	mg/L (Note 1)	Yearly	1	0.059
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly + Yearly 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/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	300
Aluminium	mg/L (Note 1)	Yearly	1	0.09
Arsenic	mg/L (Note 1)	Yearly	1	0.002
Barium	mg/L (Note 1)	Yearly	1	0.25
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	Unavailable
Chloride	mg/L (Note 1)	Quarterly	1	120
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.004
Cobalt	mg/L (Note 1)	Yearly	1	<0.001
Copper	mg/L (Note 1)	Yearly	1	0.007
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001
Fluoride	mg/L (Note 1)	Yearly	1	<0.5
Lead	mg/L (Note 1)	Yearly	1	0.001
Magnesium	mg/L (Note 1)	Quarterly	1	Unavailable
Manganese	mg/L (Note 1)	Yearly	1	0.51
Mercury	mg/L (Note 1)	Yearly	1	0.0001
Nitrate + Nitrite (oxidised Nitrogen)	mg/L (Note 1)	Yearly	1	0.06
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	26
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.005
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	7.5
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	71
Sodium	mg/L (Note 1)	Quarterly	1	120



Quarterly + Yearly Summary of EPA Monitoring Data



Standing Water Level (TOC)	metres	Quarterly	1	Unavailable
Standing Water Level (m AHD)	metres	NA	NA	Unavailable
Sulfate	mg/L (Note 1)	Quarterly	1	2.3
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	510
Total organic carbon	mg/L (Note 1)	Quarterly	1	50
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	0.42
Total Phenolics	mg/L (Note 1)	Yearly	1	<0.05
Xylene	mg/L (Note 1)	Yearly	1	<0.003
Zinc	mg/L (Note 1)	Yearly	1	0.11
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly + Yearly 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/year	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	24
Aluminium	mg/L (Note 1)	Yearly	1	0.21
Arsenic	mg/L (Note 1)	Yearly	1	0.002
Barium	mg/L (Note 1)	Yearly	1	0.14
Benzene	mg/L (Note 1)	Yearly	1	<0.001
Cadmium	mg/L (Note 1)	Yearly	1	<0.0002
Calcium	mg/L (Note 1)	Quarterly	1	2.9
Chloride	mg/L (Note 1)	Quarterly	1	40
Chromium (hexavalent)	mg/L (Note 1)	Yearly	1	<0.005
Chromium (total)	mg/L (Note 1)	Yearly	1	0.009
Cobalt	mg/L (Note 1)	Yearly	1	0.002
Copper	mg/L (Note 1)	Yearly	1	0.027
Ethylbenzene	mg/L (Note 1)	Yearly	1	<0.001
Fluoride	mg/L (Note 1)	Yearly	1	<0.5
Lead	mg/L (Note 1)	Yearly	1	0.005
Magnesium	mg/L (Note 1)	Quarterly	1	5
Manganese	mg/L (Note 1)	Yearly	1	0.52
Mercury	mg/L (Note 1)	Yearly	1	<0.0001
Nitrate + Nitrite (oxidised)	mg/L (Note 1)	Yearly	1	<0.25
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.1
Organochlorine pesticides	mg/L (Note 1)	Yearly	1	<0.005
Organophosphate pesticides	mg/L (Note 1)	Yearly	1	<0.02
pH	pH units	Quarterly	1	6.2
Polycyclic Aromatic Hydrocarbons	mg/L (Note 1)	Yearly	1	<0.001
Potassium	mg/L (Note 1)	Quarterly	1	1.5
Sodium	mg/L (Note 1)	Quarterly	1	23
Standing Water Level (TOC)	metres	Quarterly	1	Unavailable
Standing Water Level (m AHD)	metres	NA	NA	Unavailable



Quarterly + Yearly Summary of EPA Monitoring Data



Sulfate	mg/L (Note 1)	Quarterly	1	<5
Toluene	mg/L (Note 1)	Yearly	1	<0.001
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220
Total organic carbon	mg/L (Note 1)	Quarterly	1	7.6
Total Petroleum Hydrocarbons	mg/L (Note 1)	Yearly	1	0.73
Total Phenolics	mg/L (Note 1)	Yearly	1	<0.05
Xylene	mg/L (Note 1)	Yearly	1	<0.003
Zinc	mg/L (Note 1)	Yearly	1	0.1
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly Summary of EPA Monitoring Data



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Monitoring Period	March 2022 - June 2022 (Quarterly). Surface water sampled 23 June 2022. Groundwater sampled 24 June 2022.			
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EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=246158&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	340
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	10
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	74
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.08
pH	pH	Quarterly	1	7.5
Potassium	mg/L (Note 1)	Quarterly	1	7.3
Redox potential	mV (Note 5)	Quarterly	1	220.0
Total dissolved solids	mg/L (Note 1)	Quarterly	1	230
Total organic carbon	mg/L (Note 1)	Quarterly	1	<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)			
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			



Quarterly Summary of EPA Monitoring Data



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	6.7
Conductivity	µS/cm (Note 3)	Quarterly	1	390
Dissolved Oxygen	mg/L (Note 1)	Quarterly	1	6.5
Faecal Coliforms	org/100 mL (Note 4)	Quarterly	1	1100
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	2.0
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 1)	Quarterly	1	32
Redox potential	mV (Note 5)	Quarterly	1	190
Total dissolved solids	mg/L (Note 1)	Quarterly	1	280
Total organic carbon	mg/L (Note 1)	Quarterly	1	18
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	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	27
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	8.4
Potassium	mg/L (Note 2)	Quarterly	1	7.8
Redox potential	mV (Note 4)	Quarterly	1	190
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	<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)			



Quarterly Summary of EPA Monitoring Data



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	370
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	10
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01
pH	pH	Quarterly	1	8.8
Potassium	mg/L (Note 2)	Quarterly	1	7.5
Redox potential	mV (Note 4)	Quarterly	1	190.0
Total dissolved solids	mg/L (Note 2)	Quarterly	1	230
Total organic carbon	mg/L (Note 2)	Quarterly	1	<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 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	390
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.3
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	45
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01
pH	pH	Quarterly	1	8.3
Potassium	mg/L (Note 2)	Quarterly	1	8.5
Redox potential	mV (Note 4)	Quarterly	1	220
Total dissolved solids	mg/L (Note 2)	Quarterly	1	220
Total organic carbon	mg/L (Note 2)	Quarterly	1	<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 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	5400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.5
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	<10
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	330
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 2)	Quarterly	1	170
Redox potential	mV (Note 4)	Quarterly	1	230
Total dissolved solids	mg/L (Note 2)	Quarterly	1	2100
Total organic carbon	mg/L (Note 2)	Quarterly	1	98
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	430
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	20
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	<0.01
pH	pH	Quarterly	1	8.3
Potassium	mg/L (Note 2)	Quarterly	1	10
Redox potential	mV (Note 4)	Quarterly	1	250
Total dissolved solids	mg/L (Note 2)	Quarterly	1	280
Total organic carbon	mg/L (Note 2)	Quarterly	1	6.5
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 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	460
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.2
Faecal Coliforms	org/100 mL (Note3)	Quarterly	1	170
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.5
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	13
Redox potential	mV (Note 4)	Quarterly	1	240
Total dissolved solids	mg/L (Note 2)	Quarterly	1	270
Total organic carbon	mg/L (Note 2)	Quarterly	1	7.9
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)			



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	Unavailable
Calcium	mg/L (Note 1)	Quarterly	1	
Chloride	mg/L (Note 1)	Quarterly	1	
Magnesium	mg/L (Note 1)	Quarterly	1	
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	
pH	pH units	Quarterly	1	
Potassium	mg/L (Note 1)	Quarterly	1	
Sodium	mg/L (Note 1)	Quarterly	1	
Standing Water Level (TOC)	metres	Quarterly	1	
Standing Water Level (m AHD)	metres	NA	NA	
Sulfate	mg/L (Note 1)	Quarterly	1	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	
Total organic carbon	mg/L (Note 1)	Quarterly	1	
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	22
Calcium	mg/L (Note 1)	Quarterly	1	2.7
Chloride	mg/L (Note 1)	Quarterly	1	76
Magnesium	mg/L (Note 1)	Quarterly	1	9.4
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	0.14
pH	pH units	Quarterly	1	5.9
Potassium	mg/L (Note 1)	Quarterly	1	2.4
Sodium	mg/L (Note 1)	Quarterly	1	49
Standing Water Level (TOC)	metres	Quarterly	1	Unavailable
Standing Water Level (m AHD)	metres	NA	NA	Unavailable
Sulfate	mg/L (Note 1)	Quarterly	1	23
Total dissolved solids	mg/L (Note 1)	Quarterly	1	220
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	250
Calcium	mg/L (Note 1)	Quarterly	1	36
Chloride	mg/L (Note 1)	Quarterly	1	180
Magnesium	mg/L (Note 1)	Quarterly	1	19
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	24
pH	pH units	Quarterly	1	6.6
Potassium	mg/L (Note 1)	Quarterly	1	54
Sodium	mg/L (Note 1)	Quarterly	1	100
Standing Water Level (TOC)	metres	Quarterly	1	Unavailable
Standing Water Level (m AHD)	metres	NA	NA	Unavailable
Sulfate	mg/L (Note 1)	Quarterly	1	3.1
Total dissolved solids	mg/L (Note 1)	Quarterly	1	610
Total organic carbon	mg/L (Note 1)	Quarterly	1	31
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	Unavailable
Calcium	mg/L (Note 1)	Quarterly	1	
Chloride	mg/L (Note 1)	Quarterly	1	
Magnesium	mg/L (Note 1)	Quarterly	1	
Nitrogen (ammonia)	mg/L (Note 1)	Quarterly	1	
pH	pH units	Quarterly	1	
Potassium	mg/L (Note 1)	Quarterly	1	
Sodium	mg/L (Note 1)	Quarterly	1	
Standing Water Level (TOC)	metres	Quarterly	1	
Standing Water Level (m AHD)	metres	NA	NA	
Sulfate	mg/L (Note 1)	Quarterly	1	
Total dissolved solids	mg/L (Note 1)	Quarterly	1	
Total organic carbon	mg/L (Note 1)	Quarterly	1	
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			



Quarterly Summary of EPA Monitoring Data



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			