



# 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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	Apr-22						
Date Published	24 May 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=237374&amp;SYSUID=1&amp;LICID=13091">https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=237374&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.						
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.						



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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)	6	<5	5.9	20	yes
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	32	<0.01	0.60	1	no
pH	pH	Daily during any discharge	32	6.85	7.96	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	32	<5	290	50	yes
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	0.9	1.1	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	792	805	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must <b>be greater than</b> the Lower Limit specified						



# Non-compliances



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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, Kimbriki Monitoring Sites.pdf, 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)
Biochemical oxygen demand	mg/L (Note 2)	Special Frequency 1 (Note 3)	20	14/04/2022	Unavailable (Note 4)	18
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	1/04/2022	230 (Note 5)	58
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	2/04/2022	140 (Note 5)	47.5
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	6/04/2022	67 (Note 5)	34
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	14/04/2022	76 (Note 6)	18
Explanatory Notes	<p>(Note 1) mm (millimetres)</p> <p>(Note 2) mg/L (milligrams per litre)</p> <p>(Note 3) Special Frequency 1 - Quarterly and on the first day of discharge</p> <p>(Note 4) A BOD result is missing due to the NATA accredited laboratory's courier losing the samples in transit to the laboratory. The missing result is expected to be &lt;5mg/L based on the vast majority of historical data indicating that BOD is &lt;5mg/L in water discharged from the site.</p> <p>(Note 5) While the 5-day cumulative rainfall at the time of exceedance on 1st, 2nd and 6th April 2022 did not meet the five-day duration 90th percentile rainfall event allowance for discharge, the results are attributable to the western basins (EPA 1 and EPA 21) being used to treat significant runoff from an unprecedented amount of rainfall (699.5mm) that occurred in March 2022 and the additional intermittent rainfall from 1st to 6th April 2022. 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 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 reduce the potential for discharging elevated suspended solids by constructing an up-gradient clean water diversion system which will significantly reduce the stormwater catchment of the western basins and reduce the volume of sediment-laden water to be treated on site (construction is planned for completion before end of 2023).</p> <p>(Note 6) While the 5-day cumulative rainfall at the time of exceedance on 14th April 2022 did not meet the five-day duration 90th percentile rainfall event allowance for discharge, the results are attributable to the western basins (EPA 1 and EPA 21) being used to treat significant runoff from the unprecedented amount of rainfall (699.5mm) in the previous month as well as intermittent rainfall thereafter, including 123.5mm rainfall in the week prior to the day of exceedance. Kimbriki will reduce the potential for discharging elevated suspended solids by constructing an up-gradient clean water diversion system which will significantly reduce the stormwater catchment of the western basins and reduce the volume of sediment-laden water to be treated on site (construction is planned for completion before end of 2023).</p>					



# Monthly Summary of EPA Monitoring Data - No Limit



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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
Conductivity	µS/cm (Note 1)	Daily during any discharge	32	225	341	331	459
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						



# Monthly Summary of EPA Monitoring Data - No Limit

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)	365	380	419
Explanatory Notes	<p>(Note 1) m<sup>3</sup>/h (cubic metres per hour) (Note 2) Zero value due to:</p> <ol style="list-style-type: none"><li>1. Flare was shut down on 1st April 2022 for ~20 hours due to a power supply outage. When power was restored, methane levels were too low to restart the flare. The flare was restarted remotely after methane levels increased overnight to a level that was high enough for ignition.</li><li>2. Flare was shut down on 6th March 2022 for ~24.5 hours due to low methane that occurred during the weekend. Attempts were made to restart the remotely on 6th March but these were unsuccessful due to a power failure. Flare was able to be restarted remotely on the next business day.</li><li>3. Flare was shut down on 10th April 2022 for ~0.5 hours due to a flame failure. Flare was restarted remotely.</li><li>4. Flare was shut down on 19th April 2022 for ~9.5 hours due to a flame failure that occurred late in the evening. Attempts to restart the flare remotely were unsuccessful. Flare was restarted locally the next morning by the site staff.</li></ol>						