



# EPA Monitoring Data Summary



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Monitoring Period	Oct-22						
Date Published	21 November 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=246158&amp;SYSUID=1&amp;LICID=13091">https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=246158&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	Max. value	100 percentile limit	Non-compliances (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	3	3	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.02	0.02	1	no
pH	pH	Daily during any discharge	1	6.73	6.73	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	240.0	240.0	50	no (Note 3)
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) No exceedance was recorded on 5th October 2022 as the 5-day cumulative rainfall (83mm) exceeded the 5-day duration 90th percentile rainfall allowance for discharge (being 62.1mm).						
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 discharged 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 discharged 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)	7	<2	16	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	16	0.01	0.36	1	no
pH	pH	Daily during any discharge	16	6.78	7.80	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	16	<2	240.0	50	yes (Note 3)
Explanatory Notes		(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge (Note 3) No exceedance was recorded on 6th, 7th, 9th and 10th October 2022 as the 5-day cumulative rainfall (100mm, 108.5mm, 125.5mm and 73.5mm respectively) exceeded the 5-day duration 90th percentile rainfall allowance for discharge (being 62.1mm). Exceedances were recorded on 11th and 25th October 2022).					
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	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	791	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)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)</i>					
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	11/10/2022	59	47.5 (Note 3)
Total Suspended Solids	mg/L (Note 2)	Daily during any discharge	50	25/10/2022	69	41.0 (Note 3)
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 exceedances on 11th and 25th October 2022 did not meet the five-day duration 90th percentile rainfall event allowance for discharge (being 62.1mm), the results are attributable to the western basins (EPA 21) being used to treat runoff from significant rainfall (147.5mm) and intermittent rainfall (46.5mm) in the weeks leading up to 11th October and 25th October respectively. On 11th October, the western basins continued to overflow from runoff generated from the preceding week's rainfall. On 25th October, rainfall occurred which caused the basins to overflow during the process of preparing the western basins in readiness for further rainfall. 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>					



# 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
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	104	104	104	104
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	16	159	257	246	334
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 <sup>3</sup> /h (Note 1)	Continuous	Continuous	0 (Note 2)	416	415	469
Explanatory Notes	(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shut down on 27 Oct 2022 for ~15 minutes due to a flame failure. The flare was restarted remotely.						