



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	Jan-22						
Date Published	15 February 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=211659&SY SUID=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)
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	0.01	0.01	1	no
pH	pH	Daily during any discharge	1	7.89	7.89	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	9.8	9.8	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)	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.						



EPA Monitoring Data Summary



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 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	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	19	<0.01	<0.05	1	no
pH	pH	Daily during any discharge	19	7.16	8.03	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	19	<5	300 (Note 3)	50	no
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 exceedances were recorded on 8th and 9th January 2022 as the five-day cumulative rainfall was 78mm and 71mm respectively, which exceeded the five-day duration 90th percentile rainfall event allowance for discharge (being 62.1mm).						
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	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	652	808	760	yes
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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Licensee Address	PO BOX 196, Terrey Hills, NSW 2084					
Monitoring Location (EPA Point 22)	Enclosed Ground Level Flare in the North-Eastern corner of the Premises. Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 22)					
Parameter	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Lower Limit (Note 2)	Date of non-compliance	Min. value
Temperature	°C (Note 1)	Continuous	Continuous	760	18/1/22	652 (Note 3)
Explanatory Notes	<p>(Note 1) °C (degrees Celsius)</p> <p>(Note 2) The parameter value must be greater than the Lower Limit specified</p> <p>(Note 3) Low temperature occurred on 18th January 2022 for ~15 minutes while the flare was restarting after a power supply outage and replacement of the flare's UV sensor. The flare hire contractor conducts monthly inspection and maintenance of the flare (and additional maintenance as required) to minimise flare outages and to ensure the flare is operating correctly.</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
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	325	325	325	325
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	19	214	304	305	376
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)	372	394	440



Monthly Summary of EPA Monitoring Data - No Limit



Explanatory Notes	<p>(Note 1) m³/h (cubic metres per hour) (Note 2) Zero value due to:</p> <ol style="list-style-type: none">1. Flare was shut down on 8th January 2022 for ~6 hours due to a power supply outage that occurred during the weekend. Flare was eventually able to be restarted remotely after initial attempts to login remotely to the flare had failed.2. Flare was shut down on 11th January 2022 for ~9 hours due to a power supply outage that occurred out of business hours. Flare was restarted remotely the next morning.3. Flare was shut down on 17th January 2022 for ~26.5 hours due to flame failure. The flare could not be restarted remotely so the flaring system contractor attended site on the 17th and 18th to troubleshoot the issue. It was identified that the UV sensor had become faulty. The flare was able to be restarted on 18th January 2022 after the UV sensor was replaced.4. Flare was shut down on 18th January 2022 for ~1.5 hours due to a power supply outage. Flare was restarted remotely.5. Low temperature occurred on 18th January 2022 for ~15 minutes while the flare was restarting after the power supply outage mentioned above.
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