



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	Feb-22						
Date Published	17 March 2022						
EPA Licence No.	13091						
EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=237374&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	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	0.09	0.09	1	no
pH	pH	Daily during any discharge	1	7.76	7.76	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	31.0	31.0	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)	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	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)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	2	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	2	<0.01	0.02	1	no
pH	pH	Daily during any discharge	2	7.60	7.60	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	7.4	8.2	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 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)	8	<5	<5	20	yes
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	17	<0.01	0.08	1	no
pH	pH	Daily during any discharge	17	7.11	8.06	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	17	<5	190 (Note 3)	50	yes
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 from 23rd to 28th February 2022 as the five-day cumulative rainfall 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	0.9	1.0	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	793	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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EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=237374&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, 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	12/02/2022	Unavailable (Note 4)	56.5
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	12/02/2022	160 (Note 5)	56.5
Total suspended solids	mg/L (Note 2)	Daily during any discharge	50	13/02/2022	180 (Note 5)	54.5
Explanatory Notes	<p>(Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) Special Frequency 1 - Quarterly and on the first day of discharge (Note 4) A BOD result is missing due to human error by water sampling staff. The missing result is expected to be <5mg/L based on the result reported by the laboratory on 11th February, and based on the vast majority of historical data indicating that BOD is <5mg/L in water discharged from the site. Kimbriki conducts periodic audits of the work performed by water testing staff to minimise sampling and reporting errors. (Note 5) The 5-day cumulative rainfall at the time of exceedance on 12th and 13th February 2022 were 91% and 88% (respectively) of the 62.1mm allowance for discharge in a five-day duration 90th percentile rainfall event. The results are attributable to the western basins (EPA 1 and EPA 21) being used to treat runoff from rainfall (being 90% of the 62.1mm allowance for discharge) that occurred over the 5 days leading up to 12th February 2022. During the process of preparing the western basins in readiness for further rainfall on 12th February 2022, rainfall occurred which caused the basins to overflow. The basins continued to overflow on 13th February due to the run-off generated by the dams' large stormwater catchment from the preceding days' 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 (project is in pre-construction phase).</p>					



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



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EPA Licence Hyperlink	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=237374&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	282	282	282	282
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
Conductivity	µS/cm (Note 1)	Daily during any discharge	2	323	327	327	331
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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	17	212	283	290	341
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)	374	380	421
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shut down on 10th February 2022 for ~0.25 hours due to a flame failure that occurred late in the evening. Flare was restarted remotely. Later in the evening, the flare shut down again for ~5.25 hours for the same reason. Flare was restarted remotely the next morning. 2. Flare was shut down on 24th February 2022 for ~0.5 hour during a gas concentration meter calibration. Flare was restarted on site after calibration. 3. Flare was shut down on 28th February for ~5 hours due to low methane concentration. Flare was restarted remotely.						



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Monitoring Period	November 2021 - February 2022						
Sample Date	16 February 2022						
Date Published	17 March 2022						
EPA Licence No.	13090						
EPA Licence Hyperlink	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=202790&SY SUID=1&LICID=13090						
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 quarter	Min. value	Mean value	Median value	Max. value
Methane	ppm (Note 1)	Quarterly	1	1.3	87.7	4.5	5749
Explanatory Notes	(Note 1) ppm (parts per million)						