

*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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	Feb-20						
Date Published	16 March 2020						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&amp;SYSUID=1&amp;LICID=13091">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&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, 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	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	5.9	5.9	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.22	0.22	1	no
pH	pH	Daily during any discharge	1	7.48	7.48	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	26.0	26.0	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	Exceedance (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	7.62	7.62	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	77.0	77.0	50	yes
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) Special Frequency 1 - Quarterly and on the first day of discharge						



## Monthly Summary of EPA Monitoring Data with Limits

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	Exceedance (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	0.05	0.06	1	no
pH	pH	Daily during any discharge	2	7.89	8.30	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	14.0	18.0	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 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	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	4	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	9	<0.01	0.62	1	no
pH	pH	Daily during any discharge	9	7.23	8.42	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	9	14.0	400.0	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)	Exceedance (yes/no)
Residence Time	seconds	Continuous	Continuous	0.7	0.7	0.6	no
Temperature	°C (Note 1)	Continuous	Continuous	92	816	760	yes
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must <b>be greater than</b> the Lower Limit specified						

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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED					
Licensee Address	PO BOX 196, Terrey Hills, NSW 2084					
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	100 percentile limit	Exceedance Date	Value	Five-day cumulative rainfall recorded on site (mm) (Note 1)
Total Suspended Solids	mg/L (Note 2)	Daily during any discharge	50	22/02/2020	77 (Note 3)	18.5
Explanatory Notes	(Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) At the time of exceedance on 22nd February 2020 there was minor leakage from a valve on an overflow stormwater pipe. The valve on the overflow pipe was tightened and a blind flange was secured to the opening of the pipe to prevent further leaks.					
Monitoring Location (EPA Point 21)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 21)					
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Five-day cumulative rainfall recorded on site (mm) (Note 1)
Total Suspended Solids	mg/L (Note 2)	Daily during any discharge	50	19/02/2020	96 (Note 3)	11
Total Suspended Solids	mg/L (Note 2)	Daily during any discharge	50	22/02/2020	68 (Note 3)	18.5
Total Suspended Solids	mg/L (Note 2)	Daily during any discharge	50	23/02/2020	120 (Note 3)	19
Explanatory Notes	(Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) While the 5-day cumulative rainfall at the time of exceedance on 19th, 22nd and 23rd February 2020 did not meet the 62.1mm threshold, the result is attributable to the significant amount of rainfall received during the month (460.5mm). On average, a rainfall event of similar magnitude or larger occurs on the premises once every 13 years. The western basins (i.e. EPA 1 and EPA 21) were used to treat runoff generated from the significant amount of rainfall received at the premises. The basins were operating at capacity when accumulating runoff and minor rainfall events overwhelmed the system. Kimbriki performs daily inspection of sediment controls and proactively maintain controls by all means practicable to ensure potential for suspended solids discharge is minimised. Kimbriki aims to upgrade erosion and sediment controls by (a) lining erosive surfaces as soon as practicable during Cell 4A construction, and (b) constructing an up-gradient clean water diversion system (design is currently underway).					
Monitoring Location (EPA Point 22)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 22)					
Parameter	Units of measure	Monitoring frequency required by licence	Lower Limit (Note 2)	Exceedance Date	Value	
Temperature	°C (Note 1)	Continuous	760	9/02/2020	92 (Note 3)	
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified (Note 3) Low flare temperature occurred on 9th February 2020 between 8:45am and 9:15am due to a flare shutdown and remote restart.					



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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	389	389	389	389
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
Conductivity	µS/cm (Note 1)	Daily during any discharge	1	195	195	195	195
Explanatory Notes		(Note 1) µS/cm (microsiemens per centimetre)					
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	329	373	373	416
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	9	225	304	314	397
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)	508	528	540
Explanatory Notes		(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shutdown on 9th February 2020 for ~18.5 hours due to flame failure. Flare was restarted remotely. 2. Flare was shutdown on 18th February 2020 for ~7.5 hours due to power supply outage. Flare was restarted remotely.					



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Monitoring Period	November 2019 - February 2020						
Sample Date	26 February 2020						
Date Published	16 March 2020						
EPA Licence No.	13090						
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=162596&amp;SYSUID=1&amp;LICID=13090">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=162596&amp;SYSUID=1&amp;LICID=13090</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 quarter	Min. value	Mean value	Median value	Max. value
Methane	ppm (Note 1)	Quarterly	1	1.6	3	2.5	22
Explanatory Notes	(Note 1) ppm (parts per million)						



Peter.

Please review this EPA  
monthly report and sign to  
approve website publication.

There are 5 exceedances  
(page 3) Publication due

COB today      Selinda

16/3/20