

## Monthly Summary of EPA Monitoring Data with Limits



*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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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, <http://www.epa.nsw.gov.au/index.htm>

Monitoring Period	01 February 2017 - 28 February 2017						
Date Published	16 March 2017						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, 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	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	7	0.02	0.25	1	no
pH	pH	Daily during any discharge	5	6.90	7.81	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	33	61 (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) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was 103 mm which is greater than 62.1 mm. However there was an exceedance of the TSS limit recorded during this month for this discharge point - Refer to Exceedance Table for more information.						
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						

Monthly Summary of EPA  
Monitoring Data continued.

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	1	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	4	0.1	0.44	1	no
pH	pH	Daily during any discharge	2	7.52	7.75	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	4	30	71 (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) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was 103 mm which is greater than 62.1 mm. However there was an exceedance of the TSS limit recorded during this month for this discharge point - Refer to Exceedance Table for more information.						
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)	2	<5	6.3	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	10	0	0.25	1	no
pH	pH	Daily during any discharge	7	6.83	8.37	6.5-8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	10	24	120 (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) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was 103 mm which is greater than 62.1 mm. However there was an exceedance of the TSS limit recorded during this month for this discharge point - Refer to Exceedance Table for more information.						

Monthly Summary of EPA  
Monitoring Data continued.

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	0.8	0.9	0.6	No
Temperature	°C (Note 1)	Continuous	Continuous	289.5 (Note 3)	808.6	760	No
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must <b>be greater than</b> the Lower Limit specified (Note 3) Minimum Value Reading below threshold attributed to Flare Shutdown and Restart event						

Monthly Summary of EPA  
Monitoring Data continued.



Monthly Summary of EPA Monitoring Data - No Limit

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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, 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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	5	321	406	394	560
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
Monitoring Location (EPA Point 3)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)</i>						
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	3	240	550	520	890
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						

Monthly Summary of EPA  
Monitoring Data continued.

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	No. of times measured during month	Min. value	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	7	310	480	480	622
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
Monitoring Location (EPA Point 22)		<i>Enclosed Ground Level Flare in the North-Eastern corner of the Premises.</i>					
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)	399	405	425
Explanatory Notes	(Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flame fail on 3rd February 2017 for ~1.0 hour. Flare restarted remotely. 2. Power supply outage on 7th February 2017 for 0.5 hour. Flare restarted remotely. 3. Low temperature occurred on 7th February 2017 due to power supply outage. 4. Power supply outage on 17th February 2017 for 5.5 hours. Flare restarted remotely. 5. Power supply outage on 22nd February 2017 for 2.0 hours. Flare restarted on site.						



Quarterly Summary of EPA Monitoring Data

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Monitoring Period	November 2016 - February 2017						
Date Published	16 March 2017						
EPA Licence No.	13090						
EPA Licence Hyperlink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=74180&amp;SYSUID=1&amp;LICID=13090">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=74180&amp;SYSUID=1&amp;LICID=13090</a>						
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED						
Licensee Address	Locked Bag 6, 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	2	5	3	23
Explanatory Notes	(Note 1) ppm (parts per million)						