

Monthly Summary of EPA Monitoring Data



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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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 July 2015 - 31 July 2015						
Date Published	13 August 2015						
EPA Licence No.	13091						
EPA Licence Hyperlink	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&SYSUID=1&LICID=13091						
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>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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>						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	13	13	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	0.47	0.47	1	no
pH	pH	Daily during any discharge	1	7.3	7.3	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	1	54	54	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) Refer to Exceedance Table for more information						
Monitoring Location (EPA Point 22)	<i>Enclosed Ground Level Flare in the North-Eastern corner of the Premises.</i>						
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)
Temperature	°C (Note 1)	Continuous	Continuous	781.5	810.2	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified						

Exceedance Table



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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	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	16/07/2015	54	Not applicable
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					
Exceedance Information	Prior to any controlled discharge from the site KEE has a protocol to measure NTU to ensure TSS will not exceed 50ppm. KEE has established, as a result of extensive on site statistical data analysis, a strong correlation between NTU and TSS which has been 2:1. Thus an NTU reading below 100 would equate to less than 50ppm of TSS. This protocol has for a period of more than two years not resulted in controlled discharge where an exceedance has been recorded. On this occasion a reading of 91 NTU was recorded and it was considered safe to discharge. The lab result recorded a value of 54 ppm TSS. To ensure a safer margin for controlled discharge the onsite protocol for discharge has been amended to have a trigger value of less than 70 NTU thus adding a greater buffer.					

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Monitoring Location (EPA Point 1)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)</i>
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Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.
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Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</i>
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Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.
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Monitoring Location (EPA Point 3)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 3)</i>
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Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.
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Monitoring Location (EPA Point 21)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 21)</i>
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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	0.520	0.520	0.520	0.520

Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)
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Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during month	Min. value (Note 2)	Mean value	Median value	Max. value
Volumetric flowrate	m ³ /h (Note 1)	Continuous	Continuous	0.0	218.3	224.0	230.0

Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) zero minimum value was due to a system shutdown from a power outage (7 hrs)	(Note 2)
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