

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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	12 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	No. of times measured	Min. value	Max. value	100 percentile	Exceed-ance
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						

Monthly Summary of EPA
Monitoring Data continued.

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)	Exceed-ance (yes/no)
Residence Time	seconds	Continuous	Continuous	1.6	2.2	0.6	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	The above result was due to a misunderstanding by a staff member that was under the impression that a turbidity reading of 100 NTU measured on site was equivalent to 50 mg/L TSS (analysed in the lab). Therefore when he measured a reading of 91 NTU he thought it was safe to discharge the basin and send a sample off to the lab for analysis. Although extensive on site statistical analysis shows a very strong correlation between TSS and NTU which is roughly as stated above, KEE had assigned < 80 NTU as the "trigger value" to allow discharges from the site thus allowing for a safety margin. Statistical analysis has shown that 80 NTU would "normally" return a TSS level of around 40 mg/L following laboratory analysis. The "trigger value" has now been lowered to < 70 NTU to add a greater buffer. A workshop / training session has been held with all staff responsible for water quality measurements and sediment basin management to ensure they are all aware of this and other relevant protocols and procedures.					

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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)						
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)			(Note 2) zero minimum value was due to a system shutdown from a power outage (7 hrs)			