

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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 August 2014 - 31 August 2014						
Date Published	12 September 2014						
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)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 1)						
Explanatory Notes	No surface water discharge occurred from this monitoring point during the month.						
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	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	< 2	12	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	12	0.01	0.62	1	no
pH	pH	Daily during any discharge	12	6.9	8.5	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	12	28	1400	50	no (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) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was 68 mm which is greater than 62.1 mm however there was an exceedance recorded during this month - Refer to Exceedance Table for more information. Note that the rainfall received for the month totalled 249 mm while the average rainfall for the month of August over the past 10 years as recorded by the Terrey Hills BOM weather station is only 41.9 mm.						
Monitoring Location (EPA Point 3)	Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 3)						
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>					
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)	5	< 2	4.9	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	17	0.04	1.4	1	no (Note 3)
pH	pH	Daily during any discharge	17	6.5	8.0	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	17	24	1200	50	no (Note 4)
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 - Because the 5 day cumulative rainfall was 65 mm which is greater than 62.1 mm and Kimbriki took all practical measures to avoid or minimise water pollution, then no exceedance is taken to have occurred. (Note 4) As per EPL 13091 L2.1 - This maximum value is not an exceedance as the 5 day cumulative rainfall was 124.5 mm which is greater than 62.1 mm however there were exceedances recorded during this month - Refer to Exceedance Table for more information. Note that the rainfall received for the month totalled 249 mm while the average rainfall for the month of August over the past 10 years as recorded by the Terrey Hills BOM weather station is only 41.9 mm.						
Monitoring Location (EPA Point 22)		<i>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)</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	792.6	805.4	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified						

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Exceedance Table



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Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED					
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084					
Monitoring Location (EPA Point 2)	<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 2)</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	24/08/2014	100	2
Exceedance Information	While the 5 day cumulative rainfall at the time of this exceedance did not reach 62.1 mm (EPL 13091 L2.1) it is attributable to the more than significant rainfall received during the month of August. The rainfall received for the month totalled 249 mm and the cumulative rainfall recorded during the 8 days prior to the exceedance was 148.5 mm. Note that the average rainfall for the month of August over the past 10 years as recorded by the Terrey Hills BOM weather station is only 41.9 mm. All practical measures to avoid and minimise any exceedances are taken through the ongoing implementation of the Erosion & Sediment Control Plan.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					
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	11/08/2014	66	0
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	13/08/2014	520	25
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	24/08/2014	72	2
Exceedance Information	While the 5 day cumulative rainfall at the time of these exceedances did not reach 62.1 mm (EPL 13091 L2.1) they are attributable to the more than significant rainfall received during the month of August. The rainfall received for the month totalled 249 mm. Note that the average rainfall for the month of August over the past 10 years as recorded by the Terrey Hills BOM weather station is only 41.9 mm. All practical measures to avoid and minimise any exceedances are taken through the ongoing implementation of the Erosion & Sediment Control Plan.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					

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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>						
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	12	172	332	312	842
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						
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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	17	243	317	327	414
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 ³ /h (Note 1)	Continuous	Continuous	143.0	199.3	204.0	221.0
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour)						