

Monthly Summary of EPA Monitoring Data



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Monitoring Period	01 January 2016 - 31 January 2016						
Date Published	15/02/2016. Delayed by 1 day - awaiting gas flare monitoring results analysis for EPA Point 22						
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>						
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	0.27	0.29	1	no
pH	pH	Daily during any discharge	2	6.72	7.35	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	13	25	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)	<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	Max. value	100 percentile limit	Exceedance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	6	<5	6	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	9	0.03	0.13	1	no
pH	pH	Daily during any discharge	9	6.54	7.51	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	9	3.2	130	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						
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.						

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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	<5	<5	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	11	<0.01	0.44	1	no
pH	pH	Daily during any discharge	11	6.65	7.4	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	11	2.9	82	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 163 mm which is greater than 62.1 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	153 (Note 3)	815.5	760	no
Explanatory Notes	(Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified (Note 3) This is not an exceedance as the low temperature occurred on 13th January 2016 for only 15 minutes due to shutdown of flare for maintenance and other work.						

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Exceedance Table



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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)					
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	Recorded Site Rainfall (mm) (Note 2)
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	5/01/2016	130	55
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	15/01/2016	91	25
Exceedance Information	These results were due to rainfall. Works are currently underway to direct flows from the eastern catchments which currently enter EPA Point 2 to the central sediment basin (EPA Point 3). The works also involve significantly increasing the capacity of EPA Point 3. This should greatly reduce the incidence of TSS exceedances from the eastern catchment.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					

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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	2	253	332.5	332.5	412
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>						
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	144	306	258	562
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	11	231	383.5	390	480
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	0 (Note 2)	394.4	426.0	443.0
Explanatory Notes	(Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero minimum value due to the following: 1. Maintenance & other work on flare on 13th January 2016 for 2.0 hours. Blower speed was increased as part of this work. 3. Flame failure on 14th January 2016 for 2.0 hours. Flare restarted remotely. 4. Flame failure on 18th January 2016 for 2.5 hours. Flare restarted on site. 5. Power supply outage on 21st January 2016 for 13.0 hours. Flare restarted on 22nd January 2016. 6. Flame failure on 25th January 2016 for 2.0 hours. Flare restarted on site. 7. Maintenance & other work on flare on 27th January 2016 for 2.0 hours. 8. Flame failure on 29th January 2016 for 0.5 hours. Flare restarted remotely.						