

Monthly Summary of EPA Monitoring Data



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Monitoring Period	01 July 2013 - 31 July 2013
Date Published	14 August 2013
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, Kimbriki Monitoring Sites.pdf, for location (EPA 1)*

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)	3	< 2	3.1	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	3	0.18	6.5	1	yes (Note 3)
pH	pH	Daily during any discharge	3	7.3	7.7	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	3	< 5	11	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) Refer to Exceedance Table for more information

Monitoring Location (EPA Point 2) *Please refer to the map, Kimbriki Monitoring Sites.pdf, 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	6	9.8	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	6	0.1	1.4	1	yes (Note 3)
pH	pH	Daily during any discharge	6	6.8	7.4	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	6	< 5	360	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

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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 (Note 2)	Nil (Note 3)	-	-	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	Nil (Note 3)	-	-	1	no
pH	pH	Daily during any discharge	Nil (Note 3)	-	-	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	Nil (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) No discharge during month						
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)	3	2.4	3.8	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	4	0.82	2.1	1	yes (Note 3)
pH	pH	Daily during any discharge	4	7.2	7.7	6.5 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	4	5	19	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) Refer to Exceedance Table for more information						

Exceedance Table



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Monitoring Location (EPA Point 1)	Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 1)					
Pollutant	Units of measure	Monitoring frequency required by licence	100 percentile limit	Exceedance Date	Value	Recorded Site Rainfall (mm) (Note 2)
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	10/07/2013	6.5	5
Exceedance Information	Monitoring detected an elevated Ammonia level on this date, immediate action was then taken to prevent further discharge. Investigations revealed a minor seepage event had resulted in a leachate discharge in the drain leading to EPA1. Immediate remediation action was taken to stop further leachate discharge into this drain.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres)					
Monitoring Location (EPA Point 2)	Please refer to the map, Kimbriki Monitoring Sites.pdf, 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)
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	17/07/2013	1.3	0
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	18/07/2013	1.4	0
Total suspended solids	mg/L (Note 1)	Daily during any discharge	50	31/07/2013	360	11
Exceedance Information	With regard to the exceedances on 17-18 July, an on site contractor has been upgrading their site to improve surface water management and had stockpiles of material unbunded for these dates. Immediate remediation was undertaken to redirect surface water run-off from the stockpiles back into the working area. Kimbriki took all practical measures to avoid and minimise TSS exceedances through the ongoing implementation of the Erosion & Sediment Control Plan.					
Explanatory Notes	(Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres) (Note 3) Special Frequency 1 - Quarterly and on the first day of discharge					

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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)
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	1	5/07/2013	2.1	0
Exceedance Information	Monitoring detected an elevated Ammonia level on this date, immediate action was then taken to prevent further exceedances.					
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	3	340	433	430	530
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	6	380	488	500	580
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>						
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	Nil (Note 2)	-	-	-	-
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) No discharge during 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	4	340	412	425	360
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre)						