

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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.environment.nsw.gov.au/epa/index.htm>

Monitoring Period	01 September 2012 - 30 September 2012						
Date Published	12 October 2012						
EPA Licence No.	13091						
EPA Licence Hyperlink	<a href="http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30667&amp;SYSUID=1&amp;LICID=13091">http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30667&amp;SYSUID=1&amp;LICID=13091</a>						
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	Exceed-ance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	-	-	-	20	-
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	3	≤ 0.1	≤ 0.1	1	no
pH	pH	Daily during any discharge	3	7.8	8.5	6.8 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	3	16	22	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	Exceed-ance (yes/no)
Biochemical oxygen demand	mg/L (Note 1)	Special Frequency 1 (Note 2)	1	6.3	6.3	20	no
Nitrogen (ammonia)	mg/L (Note 1)	Daily during any discharge	2	0.03	0.12	1	no
pH	pH	Daily during any discharge	2	8.0	8.1	6.8 - 8.5	no
Total suspended solids	mg/L (Note 1)	Daily during any discharge	2	< 5	24	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 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	Max. value	100 percentile limit	Exceed-ance (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)	-	-	6.8 - 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						

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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	Mean value	Median value	Max. value
Conductivity	µS/cm (Note 1)	Daily during any discharge	3	531	572	560	624
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	2	880	900	-	920
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						

Quarterly Summary of EPA Monitoring Data



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Monitoring Period	June 2012 - September 2012			
Date Published	12 October 2012			
EPA Licence No.	13091			
EPA Licence Hyperlink	<a href="http://www.environment.nsw.gov.au/prpoeoapp/ViewPOELicence.aspx?DOCID=30667&amp;SYSUID=1&amp;LICID=13091">http://www.environment.nsw.gov.au/prpoeoapp/ViewPOELicence.aspx?DOCID=30667&amp;SYSUID=1&amp;LICID=13091</a>			
Licensee Name	KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED			
Licensee Address	Locked Bag 6, Terrey Hills, NSW 2084			
Monitoring Location (EPA Point 5)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 5)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	600
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	9.5
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	56
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	6.7
Potassium	mg/L (Note 2)	Quarterly	1	2.8
Redox potential	mV (Note 4)	Quarterly	1	(+)106
Total dissolved solids	mg/L (Note 2)	Quarterly	1	310
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 6)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 6)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	270
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	80
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.06
pH	pH	Quarterly	1	7.9
Potassium	mg/L (Note 2)	Quarterly	1	1.9
Redox potential	mV (Note 4)	Quarterly	1	(+)139
Total dissolved solids	mg/L (Note 2)	Quarterly	1	140
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 7)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 7)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	400
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	30
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	7.8
Potassium	mg/L (Note 2)	Quarterly	1	7.6
Redox potential	mV (Note 4)	Quarterly	1	(+)142
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			

Monitoring Location (EPA Point 8)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 8)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	420
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	12
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	110
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.02
pH	pH	Quarterly	1	8.6
Potassium	mg/L (Note 2)	Quarterly	1	7.9
Redox potential	mV (Note 4)	Quarterly	1	(+)133
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	12
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 9)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 9)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	420
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	12
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	20
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.06
pH	pH	Quarterly	1	8.9
Potassium	mg/L (Note 2)	Quarterly	1	7.1
Redox potential	mV (Note 4)	Quarterly	1	(+)103
Total dissolved solids	mg/L (Note 2)	Quarterly	1	210
Total organic carbon	mg/L (Note 2)	Quarterly	1	11
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 10) Holding pond - no discharge from site.		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 10). Please refer to Note 5 also.		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	4100
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7.2
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	180
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	210
pH	pH	Quarterly	1	8.1
Potassium	mg/L (Note 2)	Quarterly	1	170
Redox potential	mV (Note 4)	Quarterly	1	(+)100
Total dissolved solids	mg/L (Note 2)	Quarterly	1	1900
Total organic carbon	mg/L (Note 2)	Quarterly	1	390
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts) (Note 5) This monitoring point is a holding pond with no discharge from site			

Monitoring Location (EPA Point 11)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 11)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	< 2
Conductivity	µS/cm (Note 1)	Quarterly	1	500
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	10
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	20
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	< 0.01
pH	pH	Quarterly	1	7.7
Potassium	mg/L (Note 2)	Quarterly	1	9.9
Redox potential	mV (Note 4)	Quarterly	1	(+)116
Total dissolved solids	mg/L (Note 2)	Quarterly	1	250
Total organic carbon	mg/L (Note 2)	Quarterly	1	13
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 12)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 12)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	3.3
Conductivity	µS/cm (Note 1)	Quarterly	1	210
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	11
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	< 10
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	0.03
pH	pH	Quarterly	1	8.9
Potassium	mg/L (Note 2)	Quarterly	1	9.1
Redox potential	mV (Note 4)	Quarterly	1	(+)132
Total dissolved solids	mg/L (Note 2)	Quarterly	1	110
Total organic carbon	mg/L (Note 2)	Quarterly	1	15
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 13)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 13)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	660
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	8.6
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	< 10
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	5.2
pH	pH	Quarterly	1	6.5
Potassium	mg/L (Note 2)	Quarterly	1	15
Redox potential	mV (Note 4)	Quarterly	1	(+)113
Total dissolved solids	mg/L (Note 2)	Quarterly	1	330
Total organic carbon	mg/L (Note 2)	Quarterly	1	21
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			



Monitoring Location (EPA Point 14)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 14)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Biochemical oxygen demand	mg/L (Note 2)	Quarterly	1	7.3
Conductivity	µS/cm (Note 1)	Quarterly	1	940
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	6.6
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	80000 (Note 5)
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	1.5
pH	pH	Quarterly	1	7.1
Potassium	mg/L (Note 2)	Quarterly	1	43
Redox potential	mV (Note 4)	Quarterly	1	(+)122
Total dissolved solids	mg/L (Note 2)	Quarterly	1	560
Total organic carbon	mg/L (Note 2)	Quarterly	1	34
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts) (Note 5) This value can be attributed to a rainfall event post a controlled back burn conducted by National Parks, that has been sufficient to wash animal faecal matter into the creek but has been insufficient to flush out the creek after a period of nil flow.			
Monitoring Location (EPA Point 15)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 15)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Conductivity	µS/cm (Note 1)	Quarterly	1	770
Dissolved Oxygen	mg/L (Note 2)	Quarterly	1	7
Faecal Coliforms	org/100 mL (Note 3)	Quarterly	1	40
Nitrogen (ammonia)	mg/L (Note 2)	Quarterly	1	6.9
pH	pH	Quarterly	1	6.6
Potassium	mg/L (Note 2)	Quarterly	1	18
Redox potential	mV (Note 4)	Quarterly	1	(+)128
Total dissolved solids	mg/L (Note 2)	Quarterly	1	380
Total organic carbon	mg/L (Note 2)	Quarterly	1	25
Explanatory Notes	(Note 1) µS/cm (microsiemens per centimetre) (Note 2) mg/L (milligrams per litre) (Note 3) org/100 mL (colony forming units per 100 millilitres) (Note 4) mV (millivolts)			
Monitoring Location (EPA Point 16)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 16)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	53
Calcium	mg/L (Note 1)	Quarterly	1	10
Chloride	mg/L (Note 1)	Quarterly	1	58
Magnesium	mg/L (Note 1)	Quarterly	1	6.3
Nitrogen	mg/L (Note 1)	Quarterly	1	0.47
pH	pH	Quarterly	1	6
Potassium	mg/L (Note 1)	Quarterly	1	2.1
Sodium	mg/L (Note 1)	Quarterly	1	31
Standing Water Level	metres	Quarterly	1	16.6
Sulfate	mg/L (Note 1)	Quarterly	1	< 2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	140
Total organic carbon	mg/L (Note 1)	Quarterly	1	8.8
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Monitoring Location (EPA Point 17)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 17)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	13
Calcium	mg/L (Note 1)	Quarterly	1	8
Chloride	mg/L (Note 1)	Quarterly	1	73
Magnesium	mg/L (Note 1)	Quarterly	1	8.3
Nitrogen	mg/L (Note 1)	Quarterly	1	0.02
pH	pH	Quarterly	1	5.7
Potassium	mg/L (Note 1)	Quarterly	1	3.1
Sodium	mg/L (Note 1)	Quarterly	1	43
Standing Water Level	metres	Quarterly	1	6.6
Sulfate	mg/L (Note 1)	Quarterly	1	12
Total dissolved solids	mg/L (Note 1)	Quarterly	1	190
Total organic carbon	mg/L (Note 1)	Quarterly	1	11
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 18)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 18)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	390
Calcium	mg/L (Note 1)	Quarterly	1	16
Chloride	mg/L (Note 1)	Quarterly	1	270
Magnesium	mg/L (Note 1)	Quarterly	1	26
Nitrogen	mg/L (Note 1)	Quarterly	1	46
pH	pH	Quarterly	1	6.2
Potassium	mg/L (Note 1)	Quarterly	1	37
Sodium	mg/L (Note 1)	Quarterly	1	150
Standing Water Level	metres	Quarterly	1	14.1
Sulfate	mg/L (Note 1)	Quarterly	1	5.3
Total dissolved solids	mg/L (Note 1)	Quarterly	1	680
Total organic carbon	mg/L (Note 1)	Quarterly	1	31
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			
Monitoring Location (EPA Point 19)		<i>Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 19)</i>		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	120
Calcium	mg/L (Note 1)	Quarterly	1	28
Chloride	mg/L (Note 1)	Quarterly	1	210
Magnesium	mg/L (Note 1)	Quarterly	1	13
Nitrogen	mg/L (Note 1)	Quarterly	1	10
pH	pH	Quarterly	1	5.9
Potassium	mg/L (Note 1)	Quarterly	1	41
Sodium	mg/L (Note 1)	Quarterly	1	82
Standing Water Level	metres	Quarterly	1	3.1
Sulfate	mg/L (Note 1)	Quarterly	1	< 2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	490
Total organic carbon	mg/L (Note 1)	Quarterly	1	18
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Quarterly Summary of EPA Monitoring Data continued

Monitoring Location (EPA Point 20)		Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 20)		
Pollutant	Units of measure	Monitoring frequency required by licence	No. of times measured during quarter	Value
Alkalinity (as calcium carbonate)	mg/L (Note 1)	Quarterly	1	37
Calcium	mg/L (Note 1)	Quarterly	1	2.3
Chloride	mg/L (Note 1)	Quarterly	1	36
Magnesium	mg/L (Note 1)	Quarterly	1	4.2
Nitrogen	mg/L (Note 1)	Quarterly	1	0.02
pH	pH	Quarterly	1	6
Potassium	mg/L (Note 1)	Quarterly	1	1.1
Sodium	mg/L (Note 1)	Quarterly	1	22
Standing Water Level	metres	Quarterly	1	21.3
Sulfate	mg/L (Note 1)	Quarterly	1	< 2
Total dissolved solids	mg/L (Note 1)	Quarterly	1	120
Total organic carbon	mg/L (Note 1)	Quarterly	1	23
Explanatory Notes	(Note 1) mg/L (milligrams per litre)			

Other formats are available.