

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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 May 2015 - 31 May 2015                                                                                                                                                                                         |
| Date Published        | 12 June 2015                                                                                                                                                                                                      |
| EPA Licence No.       | 13091                                                                                                                                                                                                             |
| EPA Licence Hyperlink | <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a> |
| Licensee Name         |                                                                                                                                                                                                                   |
| 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)             | 1                                  | < 2        | < 2        | 20                   | no                  |
| Nitrogen (ammonia)        | mg/L (Note 1)    | Daily during any discharge               | 1                                  | < 0.05     | < 0.05     | 1                    | no                  |
| pH                        | pH               | Daily during any discharge               | 1                                  | 8.1        | 8.1        | 6.5-8.5              | no                  |
| Total suspended solids    | mg/L (Note 1)    | Daily during any discharge               | 1                                  | 13         | 13         | 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) *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)             | 3                                  | < 2        | < 2        | 20                   | no                  |
| Nitrogen (ammonia)        | mg/L (Note 1)    | Daily during any discharge               | 6                                  | < 0.05     | 0.07       | 1                    | no                  |
| pH                        | pH               | Daily during any discharge               | 6                                  | 7.9        | 8.3        | 6.5 - 8.5            | no                  |
| Total suspended solids    | mg/L (Note 1)    | Daily during any discharge               | 6                                  | < 5        | 420        | 50                   | yes                 |

Explanatory Notes (Note 1) mg/L (milligrams per litre)  
(Note 2) Special Frequency 1 - Quarterly and on the first day of discharge. Refer to Exceedance Table for more information.

Monthly Summary of EPA  
Monitoring Data continued.

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| 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.    |

Monthly Summary of EPA  
Monitoring Data continued.

| 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)                                                                                                                                  | 6                                  | < 2                 | 4.2        | 20                   | no                  |
| Nitrogen (ammonia)                 | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                    | Daily during any discharge                                                                                                                                    | 11                                 | < 0.05              | 0.26       | 1                    | no                  |
| pH                                 | pH                                                                                                                                                                                                                                                                                                                                                                                                                               | Daily during any discharge                                                                                                                                    | 11                                 | 7.8                 | 8.2        | 6.5 - 8.5            | no                  |
| Total suspended solids             | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                    | Daily during any discharge                                                                                                                                    | 11                                 | < 5                 | 350        | 50                   | yes                 |
| Explanatory Notes                  | (Note 1) mg/L (milligrams per litre)<br>(Note 2) Special Frequency 1 - Quarterly and on the first day of discharge                                                                                                                                                                                                                                                                                                               |                                                                                                                                                               |                                    |                     |            |                      |                     |
| 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 (Note 3) | Max. value | Lower Limit (Note 2) | Exceedance (yes/no) |
| Temperature                        | °C (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                      | Continuous                                                                                                                                                    | Continuous                         | 789.4               | 805.4      | 760.0                | No                  |
| Explanatory Notes                  | (Note 1) °C (degrees Celsius)<br>(Note 2) The parameter value must <i>be greater than</i> the Lower Limit specified<br>(Note 3) This was the minimum value during normal operation for the month excluding: System shutdown on 5 May 15 for 2.0 hrs due to construction work on wells; System shutdown on 10 May 15 for 5.0 hrs due to power supply outage; System shutdown on 11 May 15 for 5.0 hrs due to power supply outage. |                                                                                                                                                               |                                    |                     |            |                      |                     |

Monthly Summary of EPA  
Monitoring Data

Exceedance Table



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| Monitoring Period                  | 01 May 2015 - 31 May 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                      |                 |       |                                      |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|-----------------|-------|--------------------------------------|
| Date Published                     | 12 June 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |                      |                 |       |                                      |
| EPA Licence No.                    | 13091                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                      |                 |       |                                      |
| EPA Licence Hyperlink              | <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>                                                                                                                                                                                                                                                                                                                                                       |                                          |                      |                 |       |                                      |
| Licensee Name                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                      |                 |       |                                      |
| 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                   | 1/05/2015       | 420   | 22 mm in 2 days                      |
| 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                   | 1/05/2015       | 80    | 22 mm in 2 days                      |
| Total suspended solids             | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Daily during any discharge               | 50                   | 2/05/2015       | 220   | 30.5 mm in 3 days                    |
| Total suspended solids             | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Daily during any discharge               | 50                   | 23/05/2015      | 350   | 35 mm in 1 day                       |
| Total suspended solids             | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Daily during any discharge               | 50                   | 24/05/2015      | 110   | 35 mm in 1 day on 23/5/15            |
| Total suspended solids             | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Daily during any discharge               | 50                   | 25/05/2015      | 110   | 35 mm in 1 day on 23/5/15            |
| Total suspended solids             | mg/L (Note 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Daily during any discharge               | 50                   | 27/05/2015      | 67    | 35 mm in 1 day on 23/5/15            |
| Exceedance Information             | While the 5 day cumulative rainfall at the time of these exceedances (EPA Points 2 & 21) did not reach 62.1 mm (EPL 13091 L2.1) they are attributable to the rainfall received. The above exceedances were primarily a result of the upper western sediment basin (DP01) being offline during the month to allow enlargement of the basin from 2ML to 8 ML capacity. KEE is currently preparing a TSS Reduction Plan to further address this issue. Erosion & sediment control activities continue to be carried out on both a routine and continual improvement basis. |                                          |                      |                 |       |                                      |
| Explanatory Notes                  | (Note 1) mg/L (milligrams per litre)<br>(Note 2) mm (millimetres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |                      |                 |       |                                      |

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|                                    |                                                                                                                                                                                                                                                                                                                                                             |                                          |                                    |              |            |              |            |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------|--------------|------------|--------------|------------|
| Monitoring Period                  | 01 May 2015 - 31 May 2015                                                                                                                                                                                                                                                                                                                                   |                                          |                                    |              |            |              |            |
| Date Published                     | 12 June 2015                                                                                                                                                                                                                                                                                                                                                |                                          |                                    |              |            |              |            |
| EPA Licence No.                    | 13091                                                                                                                                                                                                                                                                                                                                                       |                                          |                                    |              |            |              |            |
| EPA Licence Hyperlink              | <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32504&amp;SYSUID=1&amp;LICID=13091</a>                                                                                                                                           |                                          |                                    |              |            |              |            |
| Licensee Name                      |                                                                                                                                                                                                                                                                                                                                                             |                                          |                                    |              |            |              |            |
| 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               | 1                                  | 0.386        | 0.386      | 0.386        | 0.386      |
| 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                                  | 0.229        | 0.335      | 0.358        | 0.399      |
| 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                                 | 0.299        | 0.357      | 0.357        | 0.462      |
| 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 <sup>3</sup> /h (Note 1)                                                                                                                                                                                                                                                                                                                                  | Continuous                               | Continuous                         | 0.0 (Note 2) | 208.40     | 212.0        | 219.0      |
| Explanatory Notes                  | (Note 1) m <sup>3</sup> /h (cubic metres per hour) (Note 2) - System shutdown on 5 May 15 for 2.0 hrs due to construction work on wells. System shutdown on 10 May 15 for 5.0 hrs due to power supply outage. Flare was restarted remotely. System shutdown on 11 May 15 for 5.0 hrs due to power supply outage. Contractor had to come to site to restart. |                                          |                                    |              |            |              |            |

Quarterly Summary of EPA Monitoring Data



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| Monitoring Period                 | February 2015 - May 2015                                                                                                                                                                                              |                                          |                                      |            |            |              |            |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------|------------|------------|--------------|------------|
| Sample Date                       | 27 May 2015                                                                                                                                                                                                           |                                          |                                      |            |            |              |            |
| Date Published                    | 12 June 2015                                                                                                                                                                                                          |                                          |                                      |            |            |              |            |
| EPA Licence No.                   | 13090                                                                                                                                                                                                                 |                                          |                                      |            |            |              |            |
| EPA Licence Hyperlink             | <a href="https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=74180&amp;SYSUID=1&amp;LICID=13090">https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=74180&amp;SYSUID=1&amp;LICID=13090</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 quarter | Min. value | Mean value | Median value | Max. value |
| Methane                           | ppm (Note 1)                                                                                                                                                                                                          | Quarterly                                | 1                                    | 2          | 53         | 17           | 535        |
| Explanatory Notes                 | (Note 1) ppm (parts per million)                                                                                                                                                                                      |                                          |                                      |            |            |              |            |