

Monthly Summary of EPA Monitoring Data



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|-----------------------|---|
| Monitoring Period | 01 Aug 2015 - 31 Aug 2015 |
| Date Published | 9 September 2015 |
| EPA Licence No. | 13091 |
| EPA Licence Hyperlink | http://www.epa.nsw.gov.au/prpoeoapp/ViewPOELicence.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) | 1 | < 2 | < 2 | 20 | no |
| Nitrogen (ammonia) | mg/L (Note 1) | Daily during any discharge | 1 | 0.07 | 0.07 | 1 | no |
| pH | pH | Daily during any discharge | 1 | 7.77 | 7.77 | 6.5 - 8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 1 | 9.5 | 9.5 | 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) | 1 | 4.3 | 4.3 | 20 | no |
| Nitrogen (ammonia) | mg/L (Note 1) | Daily during any discharge | 1 | < 0.01 | < 0.01 | 1 | no |
| pH | pH | Daily during any discharge | 1 | 7.68 | 7.68 | 6.5 - 8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 1 | 24 | 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 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) | 2 | < 2 | 6.1 | 20 | no |
| Nitrogen (ammonia) | mg/L (Note 1) | Daily during any discharge | 2 | 0.04 | 0.04 | 1 | no |
| pH | pH | Daily during any discharge | 2 | 7.97 | 8.45 | 6.5 - 8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 2 | 8 | 61 | 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

Monitoring Location (EPA Point 22) *Enclosed Ground Level Flare in the North-Eastern corner of the Premises.*

| 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 | 793.7 | 804.8 | 760 | no |

Explanatory Notes
 (Note 1) °C (degrees Celsius)
 (Note 2) The parameter value must **be greater than** the Lower Limit specified

Exceedance Table



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| Monitoring Location (EPA Point 21) | Please refer to the map, <i>Kimbriki Monitoring Sites.pdf</i> , for location (EPA 21) | | | | | |
| 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 | 25/08/2015 | 61 | 53 |
| Explanatory Notes | (Note 1) mg/L (milligrams per litre) (Note 2) mm (millimetres) | | | | | |
| Exceedance Information | The exceedance was due to high intensity rainfall on site. TSS reduction strategies are being implemented throughout the site to reduce exceedances of the TSS limit. This appears to be having an influence in lowering TSS levels from all discharge points and this can be expected to continue. | | | | | |

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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 | No. of times measured during month | Min. value | Mean value | Median value | Max. value |
| Conductivity | µS/cm (Note 1) | Daily during any discharge | 1 | 0.440 | 0.440 | 0.440 | 0.440 |
| Explanatory Notes | (Note 1) µS/cm (microsiemens per centimetre) | | | | | | |
| 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 | Mean value | Median value | Max. value |
| Conductivity | µS/cm (Note 1) | Daily during any discharge | 1 | 0.505 | 0.505 | 0.505 | 0.505 |
| Explanatory Notes | (Note 1) µS/cm (microsiemens per centimetre) | | | | | | |
| 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 | Mean value | Median value | Max. value |
| Conductivity | µS/cm (Note 1) | Daily during any discharge | 2 | 0.222 | 0.336 | 0.336 | 0.449 |
| Monitoring Location (EPA Point 22) | Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22) | | | | | | |
| Explanatory Notes | (Note 1) µS/cm (microsiemens per centimetre) | | | | | | |
| Pollutant | Units of measure | Monitoring frequency required by licence | No. of times measured during month | Min. value (Note 2) | Mean value | Median value | Max. value |
| Volumetric flowrate | m ³ /h (Note 1) | Continuous | Continuous | 0.0 | 212.2 | 222.0 | 233.0 |
| Explanatory Notes | <p>(Note 1) m³/h (cubic metres per hour)</p> <p>(Note 2) zero minimum value was due to:</p> <ol style="list-style-type: none"> 1. Local planned power outage on 4th and 5th August 2015 for 20.5 hours. Flare restarted remotely each day at around 5:30pm. 2. Power supply outage on 9th August 2015 for 6.0 hours. Flare restarted remotely. 3. Power supply outage on 16th August 2015 for 4.0 hours. Flare restarted remotely. 4. Flare outage due to phase fail on 17th August 2015 for 3.0 hours. Flare restarted remotely. 5. Power supply outage on 20th August 2015 for 2.5 hours. Flare restarted on site. 6. Power supply outage on 24th August 2015 for 13.0 hours. Flare restarted remotely. | | | | | | |

Quarterly Summary of EPA Monitoring Data



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| Monitoring Period | Aug-15 | | | | | | |
|-----------------------------------|---|--|--------------------------------------|------------|------------|--------------|------------|
| Date Published | 9 September 2015 | | | | | | |
| EPA Licence No. | 13090 | | | | | | |
| EPA Licence Hyperlink | http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=9934&SYSUID=1&LICID=13090 | | | | | | |
| 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 | 36 | 166 | 150 | 350 |
| Explanatory Notes | (Note 1) ppm (parts per million) | | | | | | |