

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 The information and data in this table must not be published elsewhere by any means without prior written consent from Kimbriki Environmental Enterprises.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

| Monitoring Period | Feb-20 | | | | | | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------|------------|------------|----------------------|---------------------|
| Date Published | 16 March 2020 | | | | | | |
| EPA Licence No. | 13091 | | | | | | |
| EPA Licence Hyperlink | https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&SYSUID=1&LICID=13091 | | | | | | |
| Licensee Name | KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED | | | | | | |
| Licensee Address | PO BOX 196, 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) | 1 | 5.9 | 5.9 | 20 | no |
| Nitrogen (ammonia) | mg/L (Note 1) | Daily during any discharge | 1 | 0.22 | 0.22 | 1 | no |
| pH | pH | Daily during any discharge | 1 | 7.48 | 7.48 | 6.5-8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 1 | 26.0 | 26.0 | 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) | 1 | <5 | <5 | 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 | 7.62 | 7.62 | 6.5-8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 1 | 77.0 | 77.0 | 50 | yes |
| 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) | | 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) | 2 | <5 | <5 | 20 | no |
| Nitrogen (ammonia) | mg/L (Note 1) | Daily during any discharge | 2 | 0.05 | 0.06 | 1 | no |
| pH | pH | Daily during any discharge | 2 | 7.89 | 8.30 | 6.5-8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 2 | 14.0 | 18.0 | 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) | 4 | <5 | <5 | 20 | no |
| Nitrogen (ammonia) | mg/L (Note 1) | Daily during any discharge | 9 | <0.01 | 0.62 | 1 | no |
| pH | pH | Daily during any discharge | 9 | 7.23 | 8.42 | 6.5-8.5 | no |
| Total suspended solids | mg/L (Note 1) | Daily during any discharge | 9 | 14.0 | 400.0 | 50 | yes |
| 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 22) | | 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) | | | | | |
| 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) |
| Residence Time | seconds | Continuous | Continuous | 0.7 | 0.7 | 0.6 | no |
| Temperature | °C (Note 1) | Continuous | Continuous | 92 | 816 | 760 | yes |
| Explanatory Notes | (Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified | | | | | | |

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| EPA Licence No. | 13091 | | | | | |
| EPA Licence Hyperlink | https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=165894&SYSUID=1&LICID=13091 | | | | | |
| Licensee Name | KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED | | | | | |
| Licensee Address | PO BOX 196, Terrey Hills, NSW 2084 | | | | | |
| 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 | Five-day cumulative rainfall recorded on site (mm) (Note 1) |
| Total Suspended Solids | mg/L (Note 2) | Daily during any discharge | 50 | 22/02/2020 | 77 (Note 3) | 18.5 |
| Explanatory Notes | (Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) At the time of exceedance on 22nd February 2020 there was minor leakage from a valve on an overflow stormwater pipe. The valve on the overflow pipe was tightened and a blind flange was secured to the opening of the pipe to prevent further leaks. | | | | | |
| 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 | 100 percentile limit | Exceedance Date | Value | Five-day cumulative rainfall recorded on site (mm) (Note 1) |
| Total Suspended Solids | mg/L (Note 2) | Daily during any discharge | 50 | 19/02/2020 | 96 (Note 3) | 11 |
| Total Suspended Solids | mg/L (Note 2) | Daily during any discharge | 50 | 22/02/2020 | 68 (Note 3) | 18.5 |
| Total Suspended Solids | mg/L (Note 2) | Daily during any discharge | 50 | 23/02/2020 | 120 (Note 3) | 19 |
| Explanatory Notes | (Note 1) mm (millimetres) (Note 2) mg/L (milligrams per litre) (Note 3) While the 5-day cumulative rainfall at the time of exceedance on 19th, 22nd and 23rd February 2020 did not meet the 62.1mm threshold, the result is attributable to the significant amount of rainfall received during the month (460.5mm). On average, a rainfall event of similar magnitude or larger occurs on the premises once every 13 years. The western basins (i.e. EPA 1 and EPA 21) were used to treat runoff generated from the significant amount of rainfall received at the premises. The basins were operating at capacity when accumulating runoff and minor rainfall events overwhelmed the system. Kimbriki performs daily inspection of sediment controls and proactively maintain controls by all means practicable to ensure potential for suspended solids discharge is minimised. Kimbriki aims to upgrade erosion and sediment controls by (a) lining erosive surfaces as soon as practicable during Cell 4A construction, and (b) constructing an up-gradient clean water diversion system (design is currently underway). | | | | | |
| Monitoring Location (EPA Point 22) | Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22) | | | | | |
| Parameter | Units of measure | Monitoring frequency required by licence | Lower Limit (Note 2) | Exceedance Date | Value | |
| Temperature | °C (Note 1) | Continuous | 760 | 9/02/2020 | 92 (Note 3) | |
| Explanatory Notes | (Note 1) °C (degrees Celsius) (Note 2) The parameter value must be greater than the Lower Limit specified (Note 3) Low flare temperature occurred on 9th February 2020 between 8:45am and 9:15am due to a flare shutdown and remote restart. | | | | | |

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| Licensee Name | | KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED | | | | | |
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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 | 1 | 389 | 389 | 389 | 389 |
| 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 | 1 | 195 | 195 | 195 | 195 |
| 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 | 2 | 329 | 373 | 373 | 416 |
| Explanatory Notes | | (Note 1) µS/cm (microsiemens per centimetre) | | | | | |
| 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 | 9 | 225 | 304 | 314 | 397 |
| 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. Please refer to the map, Kimbriki Monitoring Sites.pdf, for location (EPA 22)</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) | 508 | 528 | 540 |
| Explanatory Notes | | (Note 1) m ³ /h (cubic metres per hour) (Note 2) Zero value due to: 1. Flare was shutdown on 9th February 2020 for ~18.5 hours due to flame failure. Flare was restarted remotely. 2. Flare was shutdown on 18th February 2020 for ~7.5 hours due to power supply outage. Flare was restarted remotely. | | | | | |

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| Monitoring Period | November 2019 - February 2020 | | | | | | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------|------------|------------|--------------|------------|
| Sample Date | 26 February 2020 | | | | | | |
| Date Published | 16 March 2020 | | | | | | |
| EPA Licence No. | 13090 | | | | | | |
| EPA Licence Hyperlink | https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=162596&SYSUID=1&LICID=13090 | | | | | | |
| Licensee Name | KIMBRIKI ENVIRONMENTAL ENTERPRISES PTY LIMITED | | | | | | |
| Licensee Address | PO BOX 196, 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 | 1.6 | 3 | 2.5 | 22 |
| Explanatory Notes | (Note 1) ppm (parts per million) | | | | | | |