STACK MONITORING DATA

Bowral

2012-2013

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken-16/8/2012** | **Oxidation Cycle**  **Date Sample Taken- 22/06/2012** | **Reduction Cycle**  **Date Sample Taken-21/04/2013** | **Oxidation Cycle**  **Date Sample Taken- 20/04/2013** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 13.33 | 3.43 | 12.9 | 6.71 |
| **Sulphur Dioxide** | 1000 | 101 | 66 | 120 | 66 |
| **Nitrogen Oxide** | 2000 | 110 | 130 | 160 | 93 |
| **Hydrogen Fluoride** | 50 | 14.5 | 21.9 | 33 | 21 |

2013-2014

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken- 25/09/2014** | **Oxidation Cycle**  **Date Sample Taken- 26/09/2014** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 7.48 | 5.05 |
| **Sulphur Dioxide** | 1000 | 99 | 73 |
| **Nitrogen Oxide** | 2000 | 150 | 82 |
| **Hydrogen Fluoride** | 50 | 20.6 | 19.4 |

2014-2015

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken- 22/12/2014** | **Oxidation Cycle**  **Date Sample Taken- 23/12/2014** | **Reduction Cycle**  **Date Sample Taken- 20/04/2015** | **Oxidation Cycle**  **Date Sample Taken- 22/04/2015** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 8.3 | 9.2 | 14 | 8.7 |
| **Sulphur Dioxide** | 1000 | 11 | 25 | 17 | 0.11 |
| **Nitrogen Oxide** | 2000 | 54 | 25 | 14 | 35 |
| **Hydrogen Fluoride** | 50 | 14 | 15 | 0.58 | 2.8 |

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken- 08/06/2015** | **Oxidation Cycle**  **Date Sample Taken- 10/06/2015** | **Reduction Cycle**  **Date Sample Taken- 16/09/2015** | **Oxidation Cycle**  **Date Sample Taken- 22/09/2015** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 9.7 | 5 | 12 | 10 |
| **Sulphur Dioxide** | 1000 | 110 | 83 | 9.2 | 73 |
| **Nitrogen Oxide** | 2000 | 130 | 88 | 31 | 56 |
| **Hydrogen Fluoride** | 50 | 32 | 22 | 4.6 | 13 |

2015-2016

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken- 16/09/2015** | **Oxidation Cycle**  **Date Sample Taken- 22/09/2015** | **Reduction Cycle**  **Date Sample Taken- 02/02/2016** | **Oxidation Cycle**  **Date Sample Taken- 01/02/2016** | **Reduction Cycle**  **Date Sample Taken- 05/04/2016** | **Oxidation Cycle**  **Date Sample Taken- 27/06/2016** | **Oxidation Cycle**  **Date Sample Taken- 01/07/2016** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 12 | 10 | 6.5 | 30 | 12 | 4.1 | 4.7 |
| **Sulphur Dioxide** | 1000 | 28.2 | 85 | 15.04 | 46.11 | 11.22 | 6.97 | 6.67 |
| **Nitrogen Oxide** | 2000 | 31 | 56 | 18 | 23 | 54 | 41 | 56 |
| **Hydrogen Fluoride** | 50 | 4.6 | 13 | 1.5 | 15 | 45 | 27 | 4.5 |

2016-2017

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken- 05/07/2016** | **Reduction Cycle**  **Date Sample Taken- 17/02/2017** | **Oxidation Cycle**  **Date Sample Taken- 25/05/2017** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 9.4 | 4.8 | 7.2 |
| **Sulphur Dioxide** | 1000 | 176 | 5 | 12.34 |
| **Nitrogen Oxide** | 2000 | 73 | 3 | 7.5 |
| **Hydrogen Fluoride** | 50 | 12 | 7.5 | 16 |

2017-2018

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| License Number: 2073  Licensee: The Austral Brick Company Pty Ltd  Premises: Bowral Brickworks, Kiama Street, Bowral NSW, 2576  **Samples taken from EPA identification point 3.** | | **Reduction Cycle**  **Date Sample Taken- 08/09/2017** | **Oxidation Cycle**  **Date Sample Taken- 21/03/2018** |
| **Pollutant** | **Limits as per license**  **(mg/m3)** | **Concentration (mg/m3)** | **Concentration (mg/m3)** |
| **Total Solid Particles** | 100 | 3.7 | 8.4 |
| **Sulphur Dioxide** | 1000 | 130 | 91 |
| **Nitrogen Oxide** | 2000 | 50 | 46 |
| **Hydrogen Fluoride** | 50 | 2.4 | 13 |