

Permit Reference Number : ZP3535MW

Operator : Hudol Thermal Treatment

Installation : Rhymney Organic Regeneration Facility

Form Number : Air 1. Form Dated 02/10/08

**Six-monthly Reporting of Emissions to Air for the period from ...01/07/2014.....to...31/12/2014....**

| Emission Point | Substance / Parameter                                            | Emission Limit Value                                                 | Result <sup>[1]</sup> |   | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Accreditation/ Certification <sup>[4]</sup> | Uncertainty <sup>[5]</sup> |
|----------------|------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------|---|----------------------------|--------------------------------------|---------------------------------------------|----------------------------|
|                |                                                                  |                                                                      |                       |   |                            |                                      |                                             |                            |
| A1             | Cadmium & thallium and their compounds (total)                   | 0.05 mg/m <sup>3</sup> over minimum 30 minute, maximum 8 hour period | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Mercury and its compounds                                        | 0.05 mg/m <sup>3</sup> over minimum 30 minute, maximum 8 hour period | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) | 0.5 mg/m <sup>3</sup> over minimum 30 minute, maximum 8 hour period  | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Dioxins / furans (I-TEQ) <sup>6</sup>                            | 0.1 ng/m <sup>3</sup> over minimum 6 hour, maximum 8 hour period     | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Dioxins / furans (WHO-TEQ Humans / Mammals)                      | No limit set                                                         | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Dioxins / furans (WHO-TEQ Fish)                                  | No limit set                                                         | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Dioxins / furans (WHO-TEQ Birds)                                 | No limit set                                                         | -                     | - | N/A                        | N/A                                  | N/A                                         | N/A                        |
| A1             | Poly-cyclic aromatic hydrocarbons (PAHs)                         | No limit set                                                         | -                     |   | N/A                        | N/A                                  | N/A                                         | N/A                        |

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.
- [5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
- [6] The result to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum

Signed  .....  
(authorised to sign as representative of Operator)

Date..... 19/01/2015.....