

## Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

### Part A

|                                |                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Permit Number                  | TP3639BH                                                                                                                                                                                                                                             |
| Name of operator               | CELSA Manufacturing (UK) Ltd                                                                                                                                                                                                                         |
| Location of Facility           | Seawall Road, Tremorfa, Cardiff CF24 5TH                                                                                                                                                                                                             |
| Time and date of the detection | 05/04/2016, 23.59-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 10.59-11.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 16.59-17.59, 19.59-20.59, 20.59-21.59, 21.59-22.59, 22.59-23.59 |
|                                |                                                                                                                                                                                                                                                      |

**(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution**

#### To be notified within 24 hours of detection

|                                                                  |  |
|------------------------------------------------------------------|--|
| Date and time of the event                                       |  |
| Reference or description of the location of the event            |  |
| Description of where any release into the environment took place |  |
| Substances(s) potentially released                               |  |
| Best estimate of the quantity or rate of release of substances   |  |
| Measures taken, or intended to be taken, to stop any emission    |  |
| Description of the failure or accident.                          |  |

| <b>(b) Notification requirements for the breach of a limit</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Emission point reference/ source                                                    | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Parameter(s)                                                                        | <b>CO</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Limit                                                                               | <b>CO = 100 mg/m<sup>3</sup> (hourly)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Measured value and uncertainty                                                      | 05/04/2016, 23.59-00.59, Max Hourly Av.= 190.7 mg/m <sup>3</sup> , Max 95%ile Av.= 182.84 mg/m <sup>3</sup> , 00.59-01.59, Max Hourly Av.= 178.6 mg/m <sup>3</sup> , Max 95%ile Av.= 177.46 mg/m <sup>3</sup> , 01.59-02.59, Max Hourly Av.= 169.4 mg/m <sup>3</sup> , Max 95%ile Av.= 166.36 mg/m <sup>3</sup> , 02.59-03.59, Max Hourly Av.= 175.6 mg/m <sup>3</sup> , Max 95%ile Av.= 174.7 mg/m <sup>3</sup> , 05.59-06.59, Max Hourly Av.= 200.4 mg/m <sup>3</sup> , Max 95%ile Av.= 197.28 mg/m <sup>3</sup> , 06.59-07.59, Max Hourly Av.= 176.7 mg/m <sup>3</sup> , Max 95%ile Av.= 176.10 mg/m <sup>3</sup> , 07.59-08.59, Max Hourly Av.= 196.5 mg/m <sup>3</sup> , Max 95%ile Av.= 196.2 mg/m <sup>3</sup> , 08.59-09.59, Max Hourly Av.= 160.7 mg/m <sup>3</sup> , Max 95%ile Av.= 157.85 mg/m <sup>3</sup> , 10.59-11.59, Max Hourly Av.= 173.8 mg/m <sup>3</sup> , Max 95%ile Av.= 173.49 mg/m <sup>3</sup> , 11.59-12.59, Max Hourly Av.= 232.2 mg/m <sup>3</sup> , Max 95%ile Av.= 217.2 mg/m <sup>3</sup> , 12.59-13.59, Max Hourly Av.= 203.1 mg/m <sup>3</sup> , Max 95%ile Av.= 200.81 mg/m <sup>3</sup> , 13.59-14.59, Max Hourly Av.= 234.3 mg/m <sup>3</sup> , Max 95%ile Av.= 231.45 mg/m <sup>3</sup> , 14.59-15.59, Max Hourly Av.= 255.8 mg/m <sup>3</sup> , Max 95%ile Av.= 234.09 mg/m <sup>3</sup> , 16.59-17.59, Max Hourly Av.= 205.7 mg/m <sup>3</sup> , Max 95%ile Av.= 203.36 mg/m <sup>3</sup> , 19.59-20.59, Max Hourly Av.= 173.1 mg/m <sup>3</sup> , Max 95%ile Av.= 171.62 mg/m <sup>3</sup> , 20.59-21.59, Max Hourly Av.= 217.2 mg/m <sup>3</sup> , Max 95%ile Av.= 206.28 mg/m <sup>3</sup> , 21.59-22.59, Max Hourly Av.= 196.1 mg/m <sup>3</sup> , Max 95%ile Av.= 192.32 mg/m <sup>3</sup> , 22.59-23.59 Max Hourly Av.= 151.2 mg/m <sup>3</sup> , Max 95%ile Av.= 149.6 mg/m <sup>3</sup> . |
| Date and time of monitoring                                                         | 05/04/2016, 23.59-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 10.59-11.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 16.59-17.59, 19.59-20.59, 20.59-21.59, 21.59-22.59, 22.59-23.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Measures taken, or intended to be taken, to stop the emission                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| <b>Time periods for notification following detection of a breach of a limit</b> |                            |
|---------------------------------------------------------------------------------|----------------------------|
| <b>Parameter</b>                                                                | <b>Notification period</b> |
|                                                                                 |                            |
|                                                                                 |                            |

| <b>(c) Notification requirements for the detection of any significant adverse environmental effect</b> |  |
|--------------------------------------------------------------------------------------------------------|--|
| <b>To be notified within 24 hours of detection</b>                                                     |  |
| Description of where the effect on the environment was detected                                        |  |
| Substances(s) detected                                                                                 |  |
| Concentrations of substances detected                                                                  |  |
| Date of monitoring/sampling                                                                            |  |

## Part B - to be submitted as soon as practicable

|                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Any more accurate information on the matters for notification under Part A.                                                                            | During the investigation into the CO and particulates concentrations recorded, it has been identified that water leaks in the T1 and T2 ducting within the quench tower are preventing complete combustion. This results in higher than normal off gas emissions. Temporary maintenance and patch repairs of the ducting will be undertaken on a weekly basis during planned shutdowns. During the annual two week maintenance shutdown in May, the ducting panels are to be replaced.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident                                                                       | As above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | As above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| The dates of any unauthorised emissions from the facility in the preceding 24 months.                                                                  | 14 March, 19 March, 21 March, 22 March, 23 March, 24 March, 25 March, 26 March, 27 March, 28 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 5 April, 6 April, 7 April, 8 April, 9 April, 1 May, 10 May, 22 May, 23 May, 24 May, 25 May, 27 May, 28 May, 29 May, 2 June, 3 June, 5 June, 7 June, 8 June, 9 June, 19 June, 20 June, 23 June, 26 June, 11 July, 13 July, 5 August, 6 August, 7 August, 8 August, 9 August, 10 August, 11 August, 12 August, 13 August, 14 August, 15 August, 17 August, 19 August, 20 August, 21 August, 22 August, 23 August, 24 August, 29 August, 31 August, 1 September, 18 September, 23 September, 25 September, 4 October, 7 October, 8 October, 9 October, 10 October, 11 October, 4 November, 5 November, 6 November, 9 November, 10 November, 22 November, 23 November, 24 November, 25 November, 26 November, 27 November, 1 December, 2 December, 6 December, 7 December, 9 December, 11 December, 12 December, 13 December, 14 December, 15 December, 16 December, 17 December, 18 December, 19 December, 05 January, 6 January, 7 January, 8 January, 10 January, 12 January, 14 January, 19 January, 20 January, 21 January, 22 January, 27 January, 28 January, 29 January, 31 January, 3 February, 4 February, 8 February, 10 February, 11 February, 12 February, 13 February, 14 February, 15 February, 17 February, 18 February, 20 February, 21 February, 23 February, 25 February, 26 February, 27 February, 28 February, 1 March, 4 March, 5 March, 6 March, 8 March, 11 March, 14 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 24 March, 26 March, 05 April, 6 April, 7 April, 8 April, 9 April, 10 April, 11 April, 13 April, 14 April, 15 April, 16 April, 17 April, 18 April, 19 April, 20 April, 7 May, 9 May, 22 May, 23 May, 26 May, 6 September, 1 November, 1 December, 17 December, 18 December, 19 December, 21 January, 24 January., 12 February, 16 February, 17 February, 18 February, 26 February, 27 February, 4 March, 5 March, 11 March, 14 March, 15 March, 16 March, 17 March, 18 March, 19 March, 20 March, 21 March., 22 March, 23 March, 24 March, 26 March, 27 March, 29 March, 30 March., 31 March, 1 April, 2 April, 3 April, 4 April. |

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|------------------|-----------------------|
| <b>Name*</b>     | Sara Jones            |
| <b>Post</b>      | Environmental Advisor |
| <b>Signature</b> | <u>S. Jones</u>       |
| <b>Date</b>      | 06/04/2016            |

\* authorised to sign on behalf of CELSA Manufacturing UK Limited