

## 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 | 09/02/18, 00.00-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 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**

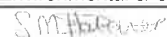
| To be notified within 24 hours of detection                      |  |
|------------------------------------------------------------------|--|
| Date and time of the event                                       |  |
| Reference or description of the location of the event            |  |
| Description 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 = 100mg/m<sup>3</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Measured value and uncertainty                                                      | <b>09/02/18,</b><br><b>00.00-00.59, Max Hourly Av.= 177.8 mg/m<sup>3</sup>, Max 95%ile Av.= 171 mg/m</b><br><b>00.59-01.59, Max Hourly Av.= 188.6 mg/m<sup>3</sup>, Max 95%ile Av.= 179.42 mg/m</b><br><b>01.59-02.59, Max Hourly Av.= 192.6 mg/m<sup>3</sup>, Max 95%ile Av.= 189.56 mg/m</b><br><b>02.59-03.59, Max Hourly Av.= 207.4 mg/m<sup>3</sup>, Max 95%ile Av.= 202.46 mg/m</b><br><b>03.59-04.59, Max Hourly Av.= 163.6 mg/m<sup>3</sup>, Max 95%ile Av.= 161.71 mg/m</b><br><b>04.59-05.59, Max Hourly Av.= 203.5 mg/m<sup>3</sup>, Max 95%ile Av.= 193.08 mg/m</b><br><b>05.59-06.59, Max Hourly Av.= 193.1 mg/m<sup>3</sup>, Max 95%ile Av.= 192.60 mg/m</b><br><b>20.59-21.59, Max Hourly Av.= 189.4 mg/m<sup>3</sup>, Max 95%ile Av.= 188.68 mg/m</b><br><b>21.59-22.59, Max Hourly Av.= 169.3 mg/m<sup>3</sup>, Max 95%ile Av.= 165.03 mg/m</b><br><b>22.59-23.59, Max Hourly Av.= 160.9 mg/m<sup>3</sup>, Max 95%ile Av.= 139.91 mg/m</b> |
| Date and Time of Monitoring                                                         | <b>09/02/18, 00.00-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 20.59-21.59, 21.59-22.59, 22.59-23.59</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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

|                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Any more accurate information on the matters for notification under Part A.                                                                            | During the time of the breaches, trim delays were experienced when baskets were being charged. Additionally, investigations are being conducted to identify any issues that may be contributing to the breaches; an external fume extraction expert has been on-site and we are currently awaiting his conclusions and recommendations. Once received, we will create an action plan and prioritise the recommendations, to return to compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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.                                                                  | <p>12 February 2016, 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, 5 April, 6 April, 7 April, 11 April, 12 April, 13 April, 15 April, 21 April, 6 May, 10 May, 11 May, 12 May, 15 May, 16 May, 17 May, 18 May, 19 May, 20 May, 21 May, 22 May, 23 May, 24 May, 25 May, 26 May, 27 May, 28 May, 29 May, 30 May, 31 May, 3 June, 4 June, 5 June, 6 June, 7 June, 8 June, 9 June, 10 June, 11 June, 12 June, 13 June, 14 June, 15 June, 17 June, 18 June, 19 June, 20 June, 21 June, 22 June, 23 June, 24 June, 25 June, 26 June, 27 June, 28 June, 29 June, 30 June, 1 July, 4 July, 8 July, 9 July, 10 July, 11 July, 12 July, 13 July, 14 July, 15 July, 16 July, 17 July, 18 July, 19 July, 20 July, 21 July, 22 July, 23 July, 24 July, 25 July, 26 July, 27 July, 28 July, 29 July, 30 July, 31 July, 1 Aug, 2 Aug, 3 Aug, 4 Aug, 5 Aug, 6 Aug, 7 Aug, 8 Aug, 9 Aug, 4 Sept, 5 Sept, 6 Sept, 13 Sept, 14 Sept, 14 Oct, 17 Oct, 25 Oct, 13 Dec</p> <p>16 Jan 2017, 18 Jan, 2 Feb, 5 Feb, 6 Feb, 7 Feb, 5 Mar, 6 Mar, 7 Mar, 8 Mar, 27 April, 05 May, 08 Jun, 09 June, 28 Jun, 01 Jul, 02 Jul, 06 Jul, 07 Jul, 08 Jul, 09 Jul, 10 Jul, 11 Jul, 12 Jul, 14 Jul, 16 Jul, 25 Jul, 27 Jul, 28 Jul, 16 Aug, 17 Aug, 18 Aug, 24 Aug, 29 Aug, 30 Aug, 02 Sept, 03 Sept, 04 Sept, 05 Sept, 06 Sept, 08 Sept, 09 Sept, 10 Sept, 15 Sept, 16 Sept, 17 Sept, 18 Sept, 19 Sept, 20 Sept, 21 Sept, 22 Sept, 23 Sept, 24 Sept, 25 Sept, 26 Sept, 27 Sept, 28 Sept, 29 Sept, 01 Oct, 02 Oct, 04 Oct, 05 Oct, 06 Oct, 08 Oct, 09 Oct, 10 Oct, 11 Oct, 12 Oct, 19 Oct, 20 Oct, 21 Oct, 22 Oct, 23 Oct, 24 Oct, 26 Oct, 27 Oct, 28 Oct, 30 Oct, 31 Oct, 01 Nov, 02 Nov, 06 Nov, 07 Nov, 10 Nov, 13 Nov, 14 Nov, 15 Nov, 16 Nov, 17 Nov, 18 Nov, 19 Nov, 20 Nov, 21 Nov, 22 Nov, 23 Nov, 24 Nov, 25 Nov, 26 Nov, 27 Nov, 28 Nov, 29 Nov, 30 Nov, 1 Dec, 2 Dec, 3 Dec, 4 Dec, 5 Dec, 9 Dec, 10 Dec, 11 Dec, 12 Dec, 14 Dec, 15 Dec, 16 Dec, 17 Dec, 18 Dec, 19 Dec, 20 Dec, 21 Dec</p> <p>05 Jan 2018, 06 Jan, 07 Jan, 08 Jan, 09 Jan, 10 Jan, 11 Jan, 12 Jan, 15 Jan, 16 Jan, 17 Jan, 18 Jan, 19 Jan, 20 Jan, 21 Jan, 22 Jan, 23 Jan, 24 Jan, 25 Jan, 26 Jan, 27 Jan, 28 Jan, 29 Jan, 30 Jan, 31 Jan, 01 Feb, 02 Feb, 03 Feb, 04 Feb, 05 Feb, 06 Feb, 07 Feb, 08 Feb</p> |

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| <b>Name*</b>     | Sioned Hatcher                                                                      |
| <b>Post</b>      | Environmental & Occupational Health Advisor                                         |
| <b>Signature</b> |  |

|      |          |
|------|----------|
| Date | 12/02/18 |
|------|----------|

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

## 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.

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### 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 | 10/02/18, 04.59-05.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 09.59-10.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 16.59-17.59, 18.59-19.59, 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**

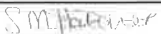
| To be notified within 24 hours of detection                      |  |
|------------------------------------------------------------------|--|
| Date and time of the event                                       |  |
| Reference or description of the location of the event            |  |
| Description 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 = 100mg/m<sup>3</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Measured value and uncertainty                                                      | <b>10/02/18,</b><br><b>04.59-05.59, Max Hourly Av.= 184.5 mg/m<sup>3</sup>, Max 95%ile Av.= 179.25 mg/m</b><br><b>06.59-07.59, Max Hourly Av.= 187.8 mg/m<sup>3</sup>, Max 95%ile Av.= 187.35 mg/m</b><br><b>07.59-08.59, Max Hourly Av.= 177.5 mg/m<sup>3</sup>, Max 95%ile Av.= 166.02 mg/m</b><br><b>09.59-10.59, Max Hourly Av.= 153.1 mg/m<sup>3</sup>, Max 95%ile Av.= 151.12 mg/m</b><br><b>11.59-12.59, Max Hourly Av.= 226.5 mg/m<sup>3</sup>, Max 95%ile Av.= 201.38 mg/m</b><br><b>12.59-13.59, Max Hourly Av.= 201.2 mg/m<sup>3</sup>, Max 95%ile Av.= 192.30 mg/m</b><br><b>13.59-14.59, Max Hourly Av.= 201.4 mg/m<sup>3</sup>, Max 95%ile Av.= 200.76 mg/m</b><br><b>14.59-15.59, Max Hourly Av.= 186.8 mg/m<sup>3</sup>, Max 95%ile Av.= 184.96 mg/m</b><br><b>16.59-17.59, Max Hourly Av.= 156.2 mg/m<sup>3</sup>, Max 95%ile Av.= 155.66 mg/m</b><br><b>18.59-19.59, Max Hourly Av.= 154.9 mg/m<sup>3</sup>, Max 95%ile Av.= 154 mg/m</b><br><b>19.59-20.59, Max Hourly Av.= 192.3 mg/m<sup>3</sup>, Max 95%ile Av.= 188.03 mg/m</b><br><b>20.59-21.59, Max Hourly Av.= 187.3 mg/m<sup>3</sup>, Max 95%ile Av.= 186.88 mg/m</b><br><b>21.59-22.59, Max Hourly Av.= 161.1 mg/m<sup>3</sup>, Max 95%ile Av.= 157.92 mg/m</b><br><b>22.59-23.59, Max Hourly Av.= 155.3 mg/m<sup>3</sup>, Max 95%ile Av.= 155.08 mg/m</b><br><b>Particulate = 5.82mg/m<sup>3</sup></b> |
| Date and Time of Monitoring                                                         | <b>10/02/18, 04.59-05.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 09.59-10.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 16.59-17.59, 18.59-19.59, 19.59-20.59, 20.59-21.59, 21.59-22.59, 22.59-23.59</b><br><b>Particulate = 24hrs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Measures taken, or intended to be taken, to stop the emission                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|--------------------------------------------------------------------------------------------------------|----------------------------|
| <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 time of the breaches, trim delays were experienced when baskets were being charged. Additionally, investigations are being conducted to identify any issues that may be contributing to the breaches; an external fume extraction expert has been on-site and we are currently awaiting his conclusions and recommendations. Once received, we will create an action plan and prioritise the recommendations, to return to compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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.                                                                  | <p>12 February 2016, 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, 5 April, 6 April, 7 April, 11 April, 12 April, 13 April, 15 April, 21 April, 6 May, 10 May, 11 May, 12 May, 15 May, 16 May, 17 May, 18 May, 19 May, 20 May, 21 May, 22 May, 23 May, 24 May, 25 May, 26 May, 27 May, 28 May, 29 May, 30 May, 31 May, 3 June, 4 June, 5 June, 6 June, 7 June, 8 June, 9 June, 10 June, 11 June, 12 June, 13 June, 14 June, 15 June, 17 June, 18 June, 19 June, 20 June, 21 June, 22 June, 23 June, 24 June, 25 June, 26 June, 27 June, 28 June, 29 June, 30 June, 1 July, 4 July, 8 July, 9 July, 10 July, 11 July, 12 July, 13 July, 14 July, 15 July, 16 July, 17 July, 18 July, 19 July, 20 July, 21 July, 22 July, 23 July, 24 July, 25 July, 26 July, 27 July, 28 July, 29 July, 30 July, 31 July, 1 Aug, 2 Aug, 3 Aug, 4 Aug, 5 Aug, 6 Aug, 7 Aug, 8 Aug, 9 Aug, 4 Sept, 5 Sept, 6 Sept, 13 Sept, 14 Sept, 14 Oct, 17 Oct, 25 Oct, 13 Dec</p> <p>16 Jan 2017, 18 Jan, 2 Feb, 5 Feb, 6 Feb, 7 Feb, 5 Mar, 6 Mar, 7 Mar, 8 Mar, 27 April, 05 May, 08 Jun, 09 June, 28 Jun, 01 Jul, 02 Jul, 06 Jul, 07 Jul, 08 Jul, 09 Jul, 10 Jul, 11 Jul, 12 Jul, 14 Jul, 16 Jul, 25 Jul, 27 Jul, 28 Jul, 16 Aug, 17 Aug, 18 Aug, 24 Aug, 29 Aug, 30 Aug, 02 Sept, 03 Sept, 04 Sept, 05 Sept, 06 Sept, 08 Sept, 09 Sept, 10 Sept, 15 Sept, 16 Sept, 17 Sept, 18 Sept, 19 Sept, 20 Sept, 21 Sept, 22 Sept, 23 Sept, 24 Sept, 25 Sept, 26 Sept, 27 Sept, 28 Sept, 29 Sept, 01 Oct, 02 Oct, 04 Oct, 05 Oct, 06 Oct, 08 Oct, 09 Oct, 10 Oct, 11 Oct, 12 Oct, 19 Oct, 20 Oct, 21 Oct, 22 Oct, 23 Oct, 24 Oct, 26 Oct, 27 Oct, 28 Oct, 30 Oct, 31 Oct, 01 Nov, 02 Nov, 06 Nov, 07 Nov, 10 Nov, 13 Nov, 14 Nov, 15 Nov, 16 Nov, 17 Nov, 18 Nov, 19 Nov, 20 Nov, 21 Nov, 22 Nov, 23 Nov, 24 Nov, 25 Nov, 26 Nov, 27 Nov, 28 Nov, 29 Nov, 30 Nov, 1 Dec, 2 Dec, 3 Dec, 4 Dec, 5 Dec, 9 Dec, 10 Dec, 11 Dec, 12 Dec, 14 Dec, 15 Dec, 16 Dec, 17 Dec, 18 Dec, 19 Dec, 20 Dec, 21 Dec</p> <p>05 Jan 2018, 06 Jan, 07 Jan, 08 Jan, 09 Jan, 10 Jan, 11 Jan, 12 Jan, 15 Jan, 16 Jan, 17 Jan, 18 Jan, 19 Jan, 20 Jan, 21 Jan, 22 Jan, 23 Jan, 24 Jan, 25 Jan, 26 Jan, 27 Jan, 28 Jan, 29 Jan, 30 Jan, 31 Jan, 01 Feb, 02 Feb, 03 Feb, 04 Feb, 05 Feb, 06 Feb, 07 Feb, 08 Feb, 09 Feb</p> |

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|-----------|-------------------------------------------------------------------------------------|
| Name*     | Sioned Hatcher                                                                      |
| Post      | Environmental & Occupational Health Advisor                                         |
| Signature |  |

|      |          |
|------|----------|
| Date | 12/02/18 |
|------|----------|

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



## Schedule 5 - Notification

These pages outline the information that the operator must provide.

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### 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 | 11/02/18, 01.59-02.59, 03.59-04.59, 04.59-05.59, 10.59-11.59, 11.59-12.59, 16.59-17.59, 21.59-22.59, 22.59-23.59 |
|                                |                                                                                                                  |

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

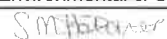
|                                                                  |  |
|------------------------------------------------------------------|--|
| Date and time of the event                                       |  |
| Reference or description of the location of the event            |  |
| Description 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>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 = 100mg/m<sup>3</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Measured value and uncertainty                                                      | <b>11/02/18,</b><br><b>01.59-02.59, Max Hourly Av.= 156.7 mg/m<sup>3</sup>, Max 95%ile Av.= 155.09 mg/m</b><br><b>03.59-04.59, Max Hourly Av.= 154.3 mg/m<sup>3</sup>, Max 95%ile Av.= 148.68 mg/m</b><br><b>04.59-05.59, Max Hourly Av.= 167.7 mg/m<sup>3</sup>, Max 95%ile Av.= 165.30 mg/m</b><br><b>10.59-11.59, Max Hourly Av.= 180.8 mg/m<sup>3</sup>, Max 95%ile Av.= 167.58 mg/m</b><br><b>11.59-12.59, Max Hourly Av.= 154.8 mg/m<sup>3</sup>, Max 95%ile Av.= 154.40 mg/m</b><br><b>16.59-17.59, Max Hourly Av.= 160.1 mg/m<sup>3</sup>, Max 95%ile Av.= 157.04 mg/m</b><br><b>21.59-22.59, Max Hourly Av.= 193.8 mg/m<sup>3</sup>, Max 95%ile Av.= 179.49 mg/m</b><br><b>22.59-23.59, Max Hourly Av.= 165.3 mg/m<sup>3</sup>, Max 95%ile Av.= 160.36 mg/m</b><br><b>Particulate = 5.95mg/m<sup>3</sup></b> |
| Date and Time of Monitoring                                                         | <b>11/02/18, 01.59-02.59, 03.59-04.59, 04.59-05.59, 10.59-11.59, 11.59-12.59, 16.59-17.59, 21.59-22.59, 22.59-23.59</b><br><b>Particulate = 24hrs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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

|                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Any more accurate information on the matters for notification under Part A.                                                                            | During the time of the breaches, trim delays were experienced when baskets were being charged. Additionally, investigations are being conducted to identify any issues that may be contributing to the breaches; an external fume extraction expert has been on-site and we are currently awaiting his conclusions and recommendations. Once received, we will create an action plan and prioritise the recommendations, to return to compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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.                                                                  | <p>12 February 2016, 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, 5 April, 6 April, 7 April, 11 April, 12 April, 13 April, 15 April, 21 April, 6 May, 10 May, 11 May, 12 May, 15 May, 16 May, 17 May, 18 May, 19 May, 20 May, 21 May, 22 May, 23 May, 24 May, 25 May, 26 May, 27 May, 28 May, 29 May, 30 May, 31 May, 3 June, 4 June, 5 June, 6 June, 7 June, 8 June, 9 June, 10 June, 11 June, 12 June, 13 June, 14 June, 15 June, 17 June, 18 June, 19 June, 20 June, 21 June, 22 June, 23 June, 24 June, 25 June, 26 June, 27 June, 28 June, 29 June, 30 June, 1 July, 4 July, 8 July, 9 July, 10 July, 11 July, 12 July, 13 July, 14 July, 15 July, 16 July, 17 July, 18 July, 19 July, 20 July, 21 July, 22 July, 23 July, 24 July, 25 July, 26 July, 27 July, 28 July, 29 July, 30 July, 31 July, 1 Aug, 2 Aug, 3 Aug, 4 Aug, 5 Aug, 6 Aug, 7 Aug, 8 Aug, 9 Aug, 4 Sept, 5 Sept, 6 Sept, 13 Sept, 14 Sept, 14 Oct, 17 Oct, 25 Oct, 13 Dec</p> <p>16 Jan 2017, 18 Jan, 2 Feb, 5 Feb, 6 Feb, 7 Feb, 5 Mar, 6 Mar, 7 Mar, 8 Mar, 27 April, 05 May, 08 Jun, 09 June, 28 Jun, 01 Jul, 02 Jul, 06 Jul, 07 Jul, 08 Jul, 09 Jul, 10 Jul, 11 Jul, 12 Jul, 14 Jul, 16 Jul, 25 Jul, 27 Jul, 28 Jul, 16 Aug, 17 Aug, 18 Aug, 24 Aug, 29 Aug, 30 Aug, 02 Sept, 03 Sept, 04 Sept, 05 Sept, 06 Sept, 08 Sept, 09 Sept, 10 Sept, 15 Sept, 16 Sept, 17 Sept, 18 Sept, 19 Sept, 20 Sept, 21 Sept, 22 Sept, 23 Sept, 24 Sept, 25 Sept, 26 Sept, 27 Sept, 28 Sept, 29 Sept, 01 Oct, 02 Oct, 04 Oct, 05 Oct, 06 Oct, 08 Oct, 09 Oct, 10 Oct, 11 Oct, 12 Oct, 19 Oct, 20 Oct, 21 Oct, 22 Oct, 23 Oct, 24 Oct, 26 Oct, 27 Oct, 28 Oct, 30 Oct, 31 Oct, 01 Nov, 02 Nov, 06 Nov, 07 Nov, 10 Nov, 13 Nov, 14 Nov, 15 Nov, 16 Nov, 17 Nov, 18 Nov, 19 Nov, 20 Nov, 21 Nov, 22 Nov, 23 Nov, 24 Nov, 25 Nov, 26 Nov, 27 Nov, 28 Nov, 29 Nov, 30 Nov, 1 Dec, 2 Dec, 3 Dec, 4 Dec, 5 Dec, 9 Dec, 10 Dec, 11 Dec, 12 Dec, 14 Dec, 15 Dec, 16 Dec, 17 Dec, 18 Dec, 19 Dec, 20 Dec, 21 Dec</p> <p>05 Jan 2018, 06 Jan, 07 Jan, 08 Jan, 09 Jan, 10 Jan, 11 Jan, 12 Jan, 15 Jan, 16 Jan, 17 Jan, 18 Jan, 19 Jan, 20 Jan, 21 Jan, 22 Jan, 23 Jan, 24 Jan, 25 Jan, 26 Jan, 27 Jan, 28 Jan, 29 Jan, 30 Jan, 31 Jan, 01 Feb, 02 Feb, 03 Feb, 04 Feb, 05 Feb, 06 Feb, 07 Feb, 08 Feb, 09 Feb, 10 Feb</p> |

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| <b>Name*</b>     | Sioned Hatcher                                                                      |
| <b>Post</b>      | Environmental & Occupational Health Advisor                                         |
| <b>Signature</b> |  |

|      |          |
|------|----------|
| Date | 12/02/18 |
|------|----------|

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