

## 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 | 04/06/2019<br>06.59-07.59, 14.59-15.59, 16.59-17.59, 19.59-20.59 |

### (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>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Emission point reference/<br>source                                                                    | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Parameter(s)                                                                                           | <b>CO</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Limit                                                                                                  | <b>CO = 100 mg/m<sup>3</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Measured value and uncertainty                                                                         | <b>04/06/2019</b><br><b>06.59-07.59, Max Hourly Av. = 158.6 mg/m<sup>3</sup>, Max 95%ile Av. = 147.105 mg/ m<sup>3</sup></b><br><b>14.59-15.59, Max Hourly Av. = 190.6 mg/m<sup>3</sup>, Max 95%ile Av. = 170.36 mg/ m<sup>3</sup></b><br><b>16.59-17.59, Max Hourly Av. = 169.1 mg/m<sup>3</sup>, Max 95%ile Av. = 158.6 mg/ m<sup>3</sup></b><br><b>19.59-20.59, Max Hourly Av. = 170.5 mg/m<sup>3</sup>, Max 95%ile Av. = 168.58 mg/ m<sup>3</sup></b> |
| Date and Time of Monitoring                                                                            | <b>04/06/2019</b><br><b>06.59-07.59, 14.59-15.59, 16.59-17.59, 19.59-20.59</b>                                                                                                                                                                                                                                                                                                                                                                            |
| Measures taken, or intended to<br>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<br>the environment was detected                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Substances(s) detected                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentrations of substances<br>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. This means the furnace roof is open with power off and post combustion not being completed. Alongside this were delays in the process, these delays can result in the EAF power being off which does not allow for post-combustion of CO to be released.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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><b>2017</b>, 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, 05 Jan <b>2018</b>, 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, 11 Feb, 12 Feb, 13 Feb, 14 Feb, 15 Feb, 16 Feb, 17 Feb, 18 Feb, 19 Feb, 20 Feb, 21 Feb, 22 Feb, 23 Feb, 24 Feb, 25 Feb, 26 Feb, 27 Feb, 28 Feb, 05 Mar, 06 Mar, 07 Mar, 08 Mar, 09 Mar, 10 Mar, 11 Mar, 12 Mar, 13 Mar, 14 Mar, 15 Mar, 16 Mar, 17 Mar, 18 Mar, 19 Mar, 20 Mar, 21 Mar, 26 Mar, 27 Mar, 28 Mar, 29 Mar, 30 Mar, 31 Mar, 01 Apr, 02 Apr, 03 Apr, 04 Apr, 05 Apr, 06 Apr, 07 Apr, 08 Apr, 09 Apr, 10 Apr, 11 Apr, 12 Apr, 13 Apr, 14 Apr, 15 Apr, 16 Apr, 17 Apr, 18 Apr, 19 Apr, 20 Apr, 25 Apr, 26 Apr, 28 Apr, 29 Apr, 30 Apr, 01 May, 02 May, 03 May, 04 May, 05 May, 23 May, 24 May, 25 May, 28 May, 31 May, 1 June, 3 June, 4 June, 5 June, 9 June, 10 June, 11 June, 12 June, 15 June, 19 June, 20 June, 26 June, 27 June, 11 Jul, 12 Jul, 25 Jul, 31 Jul, 2 Aug, 4 Aug, 8 Aug, 10 Aug, 12 Aug, 13 Aug, 14 Aug, 15 Aug, 22 Aug, 24 Aug, 25 Aug, 26 Aug, 27 Aug, 29 Aug, 30 Aug, 31 Aug, 2 Sept, 3 Sept, 4 Sept, 5 Sept, 6 Sept, 11 Sept, 18 Sept, 19 Sept, 20 Sept, 21 Sept, 27 Sept, 1 Oct, 2 Oct, 3 Oct, 4 Oct, 5 Oct, 6 Oct, 7 Oct, 8 Oct, 9 Oct, 10 Oct, 24 Oct, 26 Oct, 29 Oct, 30 Oct, 31 Oct, 3 Nov, 4 Nov, 5 Nov, 6 Nov, 7 Nov, 24 Nov, 30 Nov, 12 Dec, 13 Dec, 14 Dec, 16 Dec, 18 Dec, 19 Dec, 20 Dec, 21 Dec, 24 Dec, 27 Dec, 28 Dec, 29 Dec, 30 Dec, 31 Dec, <b>2019</b>: 3 Jan, 4 Jan, 5 Jan, 6 Jan, 7 Jan, 8 Jan, 9 Jan, 11 Jan, 12 Jan, 13 Jan, 14 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, 1<sup>st</sup> Feb, 2<sup>nd</sup> Feb, 5<sup>th</sup>, 6<sup>th</sup> Feb, 7<sup>th</sup> Feb, 9<sup>th</sup> Feb, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> Feb, 14<sup>th</sup> Feb, 15<sup>th</sup> Feb, 16<sup>th</sup> Feb, 18<sup>th</sup> Feb, 19<sup>th</sup> Feb, 20<sup>th</sup> Feb, 21<sup>st</sup> Feb, 22<sup>nd</sup> Feb, 23<sup>rd</sup> Feb, 24<sup>th</sup> Feb, 25<sup>th</sup> Feb, 26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup>, 1<sup>st</sup> March, 2<sup>nd</sup>, 3<sup>rd</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup>, 27<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup>, 31<sup>st</sup>, 1<sup>st</sup> April, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup>, 15<sup>th</sup>, 16<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup>, 1<sup>st</sup> May, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 25<sup>th</sup>, 3<sup>rd</sup> June</p> |
| Name*                                                                                                                                                  | Gabriella Nizam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Post                                                                                                                                                   | Environmental Advisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                  |                                                                                    |
|------------------|------------------------------------------------------------------------------------|
| <b>Signature</b> |  |
| <b>Date</b>      | 26/06/2019                                                                         |

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