

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 | 15/03/2019 06.59-07.59, 09.59-10.59, 10.59-11.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 15.59-16.59, 21.59-22.59, 22.59-23.59 |

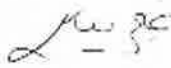
| | |
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| (a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution | |
| 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) Notification requirements for the breach of a limit | |
|---|---|
| To be notified within 24 hours of detection unless otherwise specified below | |
| Emission point reference/ source | A1 |
| Parameter(s) | CO |
| Limit | CO = 100 mg/m³ |
| Measured value and uncertainty | 15/03/2019 06.59-07.59, Max Hourly Av. = 185.4 mg/m ³ , Max 95%ile Av. = 184.59 mg/m ³ 09.59-10.59, Max Hourly Av. = 190 mg/m ³ , Max 95%ile Av. = 189.9 mg/m ³ 10.59-11.59, Max Hourly Av. = 207.6 mg/m ³ , Max 95%ile Av. = 190.0 mg/m ³ 11.59-12.59, Max Hourly Av. = 189.9 mg/m ³ , Max 95%ile Av. = 185.63 mg/m ³ 12.59-13.59, Max Hourly Av. = 184.5 mg/m ³ , Max 95%ile Av. = 181.70 mg/m ³ 13.59-14.59, Max Hourly Av. = 165.9 mg/m ³ , Max 95%ile Av. = 155.96 mg/m ³ 14.59-15.59, Max Hourly Av. = 168.6 mg/m ³ , Max 95%ile Av. = 166.58 mg/m ³ 15.59-16.59, Max Hourly Av. = 151.7 mg/m ³ , Max 95%ile Av. = 150.34 mg/m ³ 21.59-22.59, Max Hourly Av. = 181.2 mg/m ³ , Max 95%ile Av. = 171.12 mg/m ³ 22.59-23.59, Max Hourly Av. = 211.9 mg/m ³ , Max 95%ile Av. = 205.84 mg/m ³ |
| Date and Time of Monitoring | 15/03/2019 06.59-07.59, 09.59-10.59, 10.59-11.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 15.59-16.59, 21.59-22.59, 22.59-23.59 |
| Measures taken, or intended to be taken, to stop the emission | |

| Time periods for notification following detection of a breach of a limit | |
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| Parameter | Notification period |
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| (c) Notification requirements for the detection of any significant adverse environmental effect | |
| To be notified within 24 hours of detection | |
| 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 resulting in the furnace roof being open, with power off and post combustion not completed being completed. In addition, delays in the process were seen, which can also result in power being off which does not allow for post-combustion of CO. |
| 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. | 2017, 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 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, 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, 2019: 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 th Jan, 1 st Feb, 2 nd Feb, 5 th , 6 th Feb, 7 th Feb, 9 th Feb, 10 th , 11 th , 12 th , 13 th Feb, 14 th Feb, 15 th Feb, 16 th Feb, 18 th Feb, 19 th Feb, 20 th Feb, 21 st Feb, 22 nd Feb, 23 rd Feb, 24 th Feb, 25 th Feb, 26 th , 27 th , 28 th , 1 st March, 2 nd , 3 rd , 5 th , 6 th , 7 th , 8 th , 9 th , 10 th , 11 th , 12 th , 13 th , 14 th |

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| Name* | Gabriella Nizam |
| Post | Environmental Advisor |
| Signature |  |
| Date | 26/03/2019 |

* 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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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 | 16/03/2019 00.59-01.59, 01.59-02.59, 02.59-03.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 10.59-11.59, 13.59-14.59, 17.59-18.59, 18.59-19.59, 22.59-23.59 |


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|---|--|
| (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) Notification requirements for the breach of a limit | |
|---|---|
| To be notified within 24 hours of detection unless otherwise specified below | |
| Emission point reference/ source | A1 |
| Parameter(s) | CO |
| Limit | CO = 100 mg/m ³ |
| Measured value and uncertainty | 16/03/2019 00.59-01.59, Max Hourly Av. = 204.2 mg/m ³ , Max 95%ile Av. = 180.91 mg/m ³ 01.59-02.59, Max Hourly Av. = 275.4 mg/m ³ , Max 95%ile Av. = 260.03 mg/m ³ 02.59-03.59, Max Hourly Av. = 260.4 mg/m ³ , Max 95%ile Av. = 252.9 mg/m ³ 05.59-06.59, Max Hourly Av. = 166.7 mg/m ³ , Max 95%ile Av. = 164.11 mg/m ³ 06.59-07.59, Max Hourly Av. = 252.9 mg/m ³ , Max 95%ile Av. = 245.11 mg/m ³ 07.59-08.59, Max Hourly Av. = 244.7 mg/m ³ , Max 95%ile Av. = 208.25 mg/m ³ 08.59-09.59, Max Hourly Av. = 276.4 mg/m ³ , Max 95%ile Av. = 273.9 mg/m ³ 10.59-11.59, Max Hourly Av. = 167 mg/m ³ , Max 95%ile Av. = 166.78 mg/m ³ 13.59-14.59, Max Hourly Av. = 176.8 mg/m ³ , Max 95%ile Av. = 168.96 mg/m ³ 17.59-18.59, Max Hourly Av. = 163 mg/m ³ , Max 95%ile Av. = 157.22 mg/m ³ 18.59-19.59, Max Hourly Av. = 153.2 mg/m ³ , Max 95%ile Av. = 148.635 mg/m ³ 22.59-23.59, Max Hourly Av. = 154.1 mg/m ³ , Max 95%ile Av. = 153.56 mg/m ³ |
| Date and Time of Monitoring | 16/03/2019 00.59-01.59, 01.59-02.59, 02.59-03.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 10.59-11.59, 13.59-14.59, 17.59-18.59, 18.59-19.59, 22.59-23.59 |
| Measures taken, or intended to be taken, to stop the emission | |

| Time periods for notification following detection of a breach of a limit | |
|--|---------------------|
| Parameter | Notification period |
| | |
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| (c) Notification requirements for the detection of any significant adverse environmental effect | |
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| 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 resulting in the furnace roof being open, with power off and post combustion not completed being completed. In addition, delays in the process were seen, which can also result in power being off which does not allow for post-combustion of CO. |
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| 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. | 2017, 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 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, 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, 2019: 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 th Jan, 1 st Feb, 2 nd Feb, 5 th , 6 th Feb, 7 th Feb, 9 th Feb, 10 th , 11 th , 12 th , 13 th Feb, 14 th Feb, 15 th Feb, 16 th Feb, 18 th Feb, 19 th Feb, 20 th Feb, 21 st Feb, 22 nd Feb, 23 rd Feb, 24 th Feb, 25 th Feb, 26 th , 27 th , 28 th , 1 st March, 2 nd , 3 rd , 5 th , 6 th , 7 th , 8 th , 9 th , 10 th , 11 th , 12 th , 13 th , 14 th , 15 th |

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| Name* | Gabriella Nizam |
| Post | Environmental Advisor |
| Signature |  |

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| Date | 26/03/2019 |
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* authorised to sign on behalf of CELSA Manufacturing UK Limited