

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	07/07/17, 23.59-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 09.59-10.59, 10.59-11.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 16.59-17.59, 17.59-18.59, 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) 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, Particulate
Limit	CO = 100mg/m³, Particulate = 5mg/m³ (daily average)
Measured value and uncertainty	07/07/17, 23.59-00.59, Max Hourly Av.= 307.4 mg/m³, Max 95%ile Av.= 306.545 mg/m³ 00.59-01.59, Max Hourly Av.= 269.7 mg/m³, Max 95%ile Av.= 269.67 mg/m³ 01.59-02.59, Max Hourly Av.= 201.5 mg/m³, Max 95%ile Av.= 199.095 mg/m³ 02.59-03.59, Max Hourly Av.= 153.4 mg/m³, Max 95%ile Av.= 153.4 mg/m³ 03.59-04.59, Max Hourly Av.= 280.6 mg/m³, Max 95%ile Av.= 280.6 mg/m³ 04.59-05.59, Max Hourly Av.= 296.1 mg/m³, Max 95%ile Av.= 295.14 mg/m³ 05.59-06.59, Max Hourly Av.= 269.6 mg/m³, Max 95%ile Av.= 268.8 mg/m³ 06.59-07.59, Max Hourly Av.= 306.5 mg/m³, Max 95%ile Av.= 299.12 mg/m³ 07.59-08.59, Max Hourly Av.= 327 mg/m³, Max 95%ile Av.= 307.85 mg/m³ 08.59-09.59, Max Hourly Av.= 266.4 mg/m³, Max 95%ile Av.= 262.48 mg/m³ 09.59-10.59, Max Hourly Av.= 298.3 mg/m³, Max 95%ile Av.= 296.43 mg/m³ 10.59-11.59, Max Hourly Av.= 328.9 mg/m³, Max 95%ile Av.= 325.86 mg/m³ 11.59-12.59, Max Hourly Av.= 288.6 mg/m³, Max 95%ile Av.= 283.855 mg/m³ 12.59-13.59, Max Hourly Av.= 315.6 mg/m³, Max 95%ile Av.= 307.4 mg/m³ 13.59-14.59, Max Hourly Av.= 237.7 mg/m³, Max 95%ile Av.= 234.08 mg/m³ 14.59-15.59, Max Hourly Av.= 280.8 mg/m³, Max 95%ile Av.= 280.69 mg/m³ 16.59-17.59, Max Hourly Av.= 294.9 mg/m³, Max 95%ile Av.= 292.5 mg/m³ 17.59-18.59, Max Hourly Av.= 280.6 mg/m³, Max 95%ile Av.= 280.6 mg/m³ 18.59-19.59, Max Hourly Av.= 291.7 mg/m³, Max 95%ile Av.= 289.53 mg/m³ 19.59-20.59, Max Hourly Av.= 271.5 mg/m³, Max 95%ile Av.= 270.87 mg/m³

	20.59-21.59, Max Hourly Av.= 274.1 mg/m³, Max 95%ile Av.= 273.06 mg/m³ 21.59-22.59, Max Hourly Av.= 281.3 mg/m³, Max 95%ile Av.= 281 mg/m³ 22.59-23.59, Max Hourly Av.= 246.8 mg/m³, Max 95%ile Av.= 245.435 mg/m³ Particulate = 6.86mg/m³
Date and Time of Monitoring	07/07/17, 23.59-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 07.59-08.59, 08.59-09.59, 09.59-10.59, 10.59-11.59, 11.59-12.59, 12.59-13.59, 13.59-14.59, 14.59-15.59, 16.59-17.59, 17.59-18.59, 18.59-19.59, 19.59-20.59, 20.59-21.59, 21.59-22.59, 22.59-23.59 Particulate = 24hrs
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

(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

Any more accurate information on the matters for notification under Part A.	It has been identified that water leaks in the T3, T4 and T5 ducting within the quench tower are preventing complete combustion. This results in higher than normal off gas emissions. Weekly inspections and subsequent repairs are being completed during Planned Preventative Maintenance (PPM) downtime. Significant repairs are to be completed during 12 hour weekly stops to improve the condition of the ducting resulting in an improvement in emission levels. During the annual two week maintenance shutdown, the ducting panels are to be replaced.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	As above.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	As above.

The dates of any unauthorised emissions from the facility in the preceding 24 months.	14 March, 19 March, 21 March, 22 March, 23 March, 24 March, 25 March, 26 March, 27 March, 28 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 5 April, 6 April, 7 April, 8 April, 9 April, 1 May, 10 May, 22 May, 23 May, 24 May, 25 May, 27 May, 28 May, 29 May, 2 June, 3 June, 5 June, 7 June, 8 June, 9 June, 19 June, 20 June, 23 June, 26 June, 11 July, 13 July, 5 August, 6 August, 7 August, 8 August, 9 August, 10 August, 11 August, 12 August, 13 August, 14 August, 15 August, 17 August, 19 August, 20 August, 21 August, 22 August, 23 August, 24 August, 29 August, 31 August, 1 September, 18 September, 23 September, 25 September, 4 October, 7 October, 8 October, 9 October, 10 October, 11 October, 4 November, 5 November, 6 November, 9 November, 10 November, 22 November, 23 November, 24 November, 25 November, 26 November, 27 November, 1 December, 2 December, 6 December, 7 December, 9 December, 11 December, 12 December, 13 December, 14 December, 15 December, 16 December, 17 December, 18 December, 19 December, 05 January, 6 January, 7 January, 8 January, 10 January, 12 January, 14 January, 19 January, 20 January, 21 January, 22 January, 27 January, 28 January, 29 January, 31 January, 3 February, 4 February, 8 February, 10 February, 11 February, 12 February, 13 February, 14 February, 15 February, 17 February, 18 February, 20 February, 21 February, 23 February, 25 February, 26 February, 27 February, 28 February, 1 March, 4 March, 5 March, 6 March, 8 March, 11 March, 14 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 24 March, 26 March, 05 April, 6 April, 7 April, 8 April, 9 April, 10 April, 11 April, 13 April, 14 April, 15 April, 16 April, 17 April, 18 April, 19 April, 20 April, 7 May, 9 May, 22 May, 23 May, 26 May, 6 September, 1 November, 1 December, 17 December, 18 December, 19 December, 21 January, 24 January, 12 February, 16 February, 17 February, 18 February, 26 February, 27 February, 4 March, 5 March, 11 March, 14 March, 15 March, 16 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 23 March, 24 March, 26 March, 27 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 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, 16 Jan, 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 July, 02 July, 06 July, 07 July, 08 July, 09 July, 10 July, 11 July
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Name*	Signed Hatcher
Post	Environmental Advisor
Signature	
Date	12/07/17

* 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	08/07/17, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 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, 16.59-17.59, 17.59-18.59, 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) 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, Particulate
Limit	CO = 100mg/m³, Particulate = 5mg/m³ (daily average)
Measured value and uncertainty	08/07/17, 00.59-01.59, Max Hourly Av.= 277.1 mg/m³, Max 95%ile Av.= 275.38 mg/m³ 01.59-02.59, Max Hourly Av.= 281.5 mg/m³, Max 95%ile Av.= 280.33 mg/m³ 02.59-03.59, Max Hourly Av.= 268.5 mg/m³, Max 95%ile Av.= 265.8 mg/m³ 03.59-04.59, Max Hourly Av.= 303.7 mg/m³, Max 95%ile Av.= 302.26 mg/m³ 04.59-05.59, Max Hourly Av.= 298.9 mg/m³, Max 95%ile Av.= 298.075 mg/m³ 05.59-06.59, Max Hourly Av.= 277.6 mg/m³, Max 95%ile Av.= 277.475 mg/m³ 06.59-07.59, Max Hourly Av.= 302.1 mg/m³, Max 95%ile Av.= 299.635 mg/m³ 07.59-08.59, Max Hourly Av.= 326.4 mg/m³, Max 95%ile Av.= 322.305 mg/m³ 08.59-09.59, Max Hourly Av.= 291.1 mg/m³, Max 95%ile Av.= 287.94 mg/m³ 09.59-10.59, Max Hourly Av.= 328.4 mg/m³, Max 95%ile Av.= 326.08 mg/m³ 10.59-11.59, Max Hourly Av.= 323.2 mg/m³, Max 95%ile Av.= 305.3 mg/m³ 11.59-12.59, Max Hourly Av.= 297.8 mg/m³, Max 95%ile Av.= 297.38 mg/m³ 12.59-13.59, Max Hourly Av.= 244.3 mg/m³, Max 95%ile Av.= 240.645 mg/m³ 13.59-14.59, Max Hourly Av.= 171.2 mg/m³, Max 95%ile Av.= 171.2 mg/m³ 14.59-15.59, Max Hourly Av.= 305.3 mg/m³, Max 95%ile Av.= 303.78 mg/m³ 15.59-16.59, Max Hourly Av.= 299.2 mg/m³, Max 95%ile Av.= 298.96 mg/m³ 16.59-17.59, Max Hourly Av.= 293.6 mg/m³, Max 95%ile Av.= 293.45 mg/m³ 17.59-18.59, Max Hourly Av.= 283.2 mg/m³, Max 95%ile Av.= 282.605 mg/m³ 18.59-19.59, Max Hourly Av.= 250.5 mg/m³, Max 95%ile Av.= 249.88 mg/m³ 19.59-20.59, Max Hourly Av.= 295.3 mg/m³, Max 95%ile Av.= 294.365 mg/m³

	20.59-21.59, Max Hourly Av.= 293.3 mg/m ³ , Max 95%ile Av.= 292.31 mg/m ³ 21.59-22.59, Max Hourly Av.= 297.2 mg/m ³ , Max 95%ile Av.= 296.225 mg/m ³ 22.59-23.59, Max Hourly Av.= 295.7 mg/m ³ , Max 95%ile Av.= 295.46 mg/m ³ Particulate = 5.92mg/m ³
Date and Time of Monitoring	08/07/17, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 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, 16.59-17.59, 17.59-18.59, 18.59-19.59, 19.59-20.59, 20.59-21.59, 21.59-22.59, 22.59-23.59 Particulate = 24hrs
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

(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

Any more accurate information on the matters for notification under Part A.	It has been identified that water leaks in the T3, T4 and T5 ducting within the quench tower are preventing complete combustion. This results in higher than normal off gas emissions. Weekly inspections and subsequent repairs are being completed during Planned Preventative Maintenance (PPM) downtime. Significant repairs are to be completed during 12 hour weekly stops to improve the condition of the ducting resulting in an improvement in emission levels. During the annual two week maintenance shutdown, the ducting panels are to be replaced.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	As above.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	As above.

The dates of any unauthorised emissions from the facility in the preceding 24 months.

14 March, 19 March, 21 March, 22 March, 23 March, 24 March, 25 March, 26 March, 27 March, 28 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 5 April, 6 April, 7 April, 8 April, 9 April, 1 May, 10 May, 22 May, 23 May, 24 May, 25 May, 27 May, 28 May, 29 May, 2 June, 3 June, 5 June, 7 June, 8 June, 9 June, 19 June, 20 June, 23 June, 26 June, 11 July, 13 July, 5 August, 6 August, 7 August, 8 August, 9 August, 10 August, 11 August, 12 August, 13 August, 14 August, 15 August, 17 August, 19 August, 20 August, 21 August, 22 August, 23 August, 24 August, 29 August, 31 August, 1 September, 18 September, 23 September, 25 September, 4 October, 7 October, 8 October, 9 October, 10 October, 11 October, 4 November, 5 November, 6 November, 9 November, 10 November, 22 November, 23 November, 24 November, 25 November, 26 November, 27 November, 1 December, 2 December, 6 December, 7 December, 9 December, 11 December, 12 December, 13 December, 14 December, 15 December, 16 December, 17 December, 18 December, 19 December, 05 January, 6 January, 7 January, 8 January, 10 January, 12 January, 14 January, 19 January, 20 January, 21 January, 22 January, 27 January, 28 January, 29 January, 31 January, 3 February, 4 February, 8 February, 10 February, 11 February, 12 February, 13 February, 14 February, 15 February, 17 February, 18 February, 20 February, 21 February, 23 February, 25 February, 26 February, 27 February, 28 February, 1 March, 4 March, 5 March, 6 March, 8 March, 11 March, 14 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 24 March, 26 March, 05 April, 6 April, 7 April, 8 April, 9 April, 10 April, 11 April, 13 April, 14 April, 15 April, 16 April, 17 April, 18 April, 19 April, 20 April, 7 May, 9 May, 22 May, 23 May, 26 May, 6 September, 1 November, 1 December, 17 December, 18 December, 19 December, 21 January, 24 January, 12 February, 16 February, 17 February, 18 February, 26 February, 27 February, 4 March, 5 March, 11 March, 14 March, 15 March, 16 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 23 March, 24 March, 26 March, 27 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 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, 16 Jan, 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 July, 02 July, 06 July, 07 July, 08 July, 09 July, 10 July, 11 July

Name*	Sioned Hatcher
Post	Environmental Advisor
Signature	
Date	12/07/17

* 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.

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	CELISA Manufacturing (UK) Ltd
Location of Facility	Seawall Road, Tremorfa, Cardiff CF24 5TH
Time and date of the detection	09/07/17, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 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, 16.59-17.59, 17.59-18.59, 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) 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, Particulate
Limit	CO = 100mg/m³, Particulate = 5mg/m³ (daily average)
Measured value and uncertainty	09/07/17, 00.59-01.59, Max Hourly Av.= 299.1 mg/m³, Max 95%ile Av.= 298.165 mg/m³ 01.59-02.59, Max Hourly Av.= 286.1 mg/m³, Max 95%ile Av.= 281.4 mg/m³ 02.59-03.59, Max Hourly Av.= 323.9 mg/m³, Max 95%ile Av.= 307.845 mg/m³ 03.59-04.59, Max Hourly Av.= 258.4 mg/m³, Max 95%ile Av.= 257.875 mg/m³ 04.59-05.59, Max Hourly Av.= 331.4 mg/m³, Max 95%ile Av.= 330.74 mg/m³ 05.59-06.59, Max Hourly Av.= 289.8 mg/m³, Max 95%ile Av.= 289.2 mg/m³ 06.59-07.59, Max Hourly Av.= 295 mg/m³, Max 95%ile Av.= 294.4 mg/m³ 07.59-08.59, Max Hourly Av.= 298 mg/m³, Max 95%ile Av.= 295.6 mg/m³ 08.59-09.59, Max Hourly Av.= 288.8 mg/m³, Max 95%ile Av.= 287.315 mg/m³ 09.59-10.59, Max Hourly Av.= 307 mg/m³, Max 95%ile Av.= 299.89 mg/m³ 10.59-11.59, Max Hourly Av.= 274.8 mg/m³, Max 95%ile Av.= 268.24 mg/m³ 11.59-12.59, Max Hourly Av.= 245.5 mg/m³, Max 95%ile Av.= 243.49 mg/m³ 12.59-13.59, Max Hourly Av.= 250.4 mg/m³, Max 95%ile Av.= 249.42 mg/m³ 13.59-14.59, Max Hourly Av.= 331.6 mg/m³, Max 95%ile Av.= 331.37 mg/m³ 14.59-15.59, Max Hourly Av.= 276.7 mg/m³, Max 95%ile Av.= 275.845 mg/m³ 15.59-16.59, Max Hourly Av.= 294.2 mg/m³, Max 95%ile Av.= 291.26 mg/m³ 16.59-17.59, Max Hourly Av.= 256.9 mg/m³, Max 95%ile Av.= 256.09 mg/m³ 17.59-18.59, Max Hourly Av.= 254.2 mg/m³, Max 95%ile Av.= 253.25 mg/m³ 18.59-19.59, Max Hourly Av.= 290 mg/m³, Max 95%ile Av.= 289.87 mg/m³ 19.59-20.59, Max Hourly Av.= 232.1 mg/m³, Max 95%ile Av.= 231.33 mg/m³

	20.59-21.59, Max Hourly Av.= 219 mg/m³, Max 95%ile Av.= 219 mg/m³ 21.59-22.59, Max Hourly Av.= 224.4 mg/m³, Max 95%ile Av.= 224.13 mg/m³ 22.59-23.59, Max Hourly Av.= 331.1 mg/m³, Max 95%ile Av.= 323.9 mg/m³ Particulate = 6.25mg/m³
Date and Time of Monitoring	09/07/17, 00.59-01.59, 01.59-02.59, 02.59-03.59, 03.59-04.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 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, 16.59-17.59, 17.59-18.59, 18.59-19.59, 19.59-20.59, 20.59-21.59, 21.59-22.59, 22.59-23.59 Particulate = 24hrs
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

(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

Any more accurate information on the matters for notification under Part A.	It has been identified that water leaks in the T3, T4 and T5 ducting within the quench tower are preventing complete combustion. This results in higher than normal off gas emissions. Weekly inspections and subsequent repairs are being completed during Planned Preventative Maintenance (PPM) downtime. Significant repairs are to be completed during 12 hour weekly stops to improve the condition of the ducting resulting in an improvement in emission levels. During the annual two week maintenance shutdown, the ducting panels are to be replaced.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	As above.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	As above.

The dates of any unauthorised emissions from the facility in the preceding 24 months.	14 March, 19 March, 21 March, 22 March, 23 March, 24 March, 25 March, 26 March, 27 March, 28 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 5 April, 6 April, 7 April, 8 April, 9 April, 1 May, 10 May, 22 May, 23 May, 24 May, 25 May, 27 May, 28 May, 29 May, 2 June, 3 June, 5 June, 7 June, 8 June, 9 June, 19 June, 20 June, 23 June, 26 June, 11 July, 13 July, 5 August, 6 August, 7 August, 8 August, 9 August, 10 August, 11 August, 12 August, 13 August, 14 August, 15 August, 17 August, 19 August, 20 August, 21 August, 22 August, 23 August, 24 August, 29 August, 31 August, 1 September, 18 September, 23 September, 25 September, 4 October, 7 October, 8 October, 9 October, 10 October, 11 October, 4 November, 5 November, 6 November, 9 November, 10 November, 22 November, 23 November, 24 November, 25 November, 26 November, 27 November, 1 December, 2 December, 6 December, 7 December, 9 December, 11 December, 12 December, 13 December, 14 December, 15 December, 16 December, 17 December, 18 December, 19 December, 05 January, 6 January, 7 January, 8 January, 10 January, 12 January, 14 January, 19 January, 20 January, 21 January, 22 January, 27 January, 28 January, 29 January, 31 January, 3 February, 4 February, 8 February, 10 February, 11 February, 12 February, 13 February, 14 February, 15 February, 17 February, 18 February, 20 February, 21 February, 23 February, 25 February, 26 February, 27 February, 28 February, 1 March, 4 March, 5 March, 6 March, 8 March, 11 March, 14 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 24 March, 26 March, 05 April, 6 April, 7 April, 8 April, 9 April, 10 April, 11 April, 13 April, 14 April, 15 April, 16 April, 17 April, 18 April, 19 April, 20 April, 7 May, 9 May, 22 May, 23 May, 26 May, 6 September, 1 November, 1 December, 17 December, 18 December, 19 December, 21 January, 24 January, 12 February, 16 February, 17 February, 18 February, 26 February, 27 February, 4 March, 5 March, 11 March, 14 March, 15 March, 16 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 23 March, 24 March, 26 March, 27 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 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, 16 Jan, 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 July, 02 July, 06 July, 07 July, 08 July, 09 July, 10 July, 11 July
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Name*	Sioned Hatcher
Post	Environmental Advisor
Signature	
Date	12/07/17

* 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.

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	10/07/17, 23.59-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 09.59-10.59, 10.59-11.59, 11.59-12.59, 13.59-14.59

(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) 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, Particulate
Limit	CO = 100mg/m³, Particulate = 5mg/m³ (daily average)
Measured value and uncertainty	10/07/17, 23.59-00.59, Max Hourly Av.= 303.4 mg/m³, Max 95%ile Av.= 290.36 mg/m³ 00.59-01.59, Max Hourly Av.= 277 mg/m³, Max 95%ile Av.= 270.77 mg/m³ 01.59-02.59, Max Hourly Av.= 287.1 mg/m³, Max 95%ile Av.= 279.525 mg/m³ 02.59-03.59, Max Hourly Av.= 313.2 mg/m³, Max 95%ile Av.= 310.535 mg/m³ 04.59-05.59, Max Hourly Av.= 316.1 mg/m³, Max 95%ile Av.= 312.95 mg/m³ 05.59-06.59, Max Hourly Av.= 310.7 mg/m³, Max 95%ile Av.= 307.4 mg/m³ 06.59-07.59, Max Hourly Av.= 307.4 mg/m³, Max 95%ile Av.= 304.34 mg/m³ 07.59-08.59, Max Hourly Av.= 266.4 mg/m³, Max 95%ile Av.= 288.9 mg/m³ 08.59-09.59, Max Hourly Av.= 268.1 mg/m³, Max 95%ile Av.= 266.995 mg/m³ 09.59-10.59, Max Hourly Av.= 307.4 mg/m³, Max 95%ile Av.= 307.4 mg/m³ 10.59-11.59, Max Hourly Av.= 304 mg/m³, Max 95%ile Av.= 303.49 mg/m³ 11.59-12.59, Max Hourly Av.= 204 mg/m³, Max 95%ile Av.= 185.135 mg/m³ 13.59-14.59, Max Hourly Av.= 169.7 mg/m³, Max 95%ile Av.= 142.9 mg/m³ Particulate = 6.17mg/m³
Date and Time of Monitoring	10/07/17, 23.59-00.59, 00.59-01.59, 01.59-02.59, 02.59-03.59, 04.59-05.59, 05.59-06.59, 06.59-07.59, 07.59-08.59, 08.59-09.59, 09.59-10.59, 10.59-11.59, 11.59-12.59, 13.59-14.59 Particulate = 24hrs
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

(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

Any more accurate information on the matters for notification under Part A.	It has been identified that water leaks in the T3, T4 and T5 ducting within the quench tower are preventing complete combustion. This results in higher than normal off gas emissions. Weekly inspections and subsequent repairs are being completed during Planned Preventative Maintenance (PPM) downtime. Significant repairs are to be completed during 12 hour weekly stops to improve the condition of the ducting resulting in an improvement in emission levels. During the annual two week maintenance shutdown, the ducting panels are to be replaced.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	As above.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	As above.

The dates of any unauthorised emissions from the facility in the preceding 24 months.

14 March, 19 March, 21 March, 22 March, 23 March, 24 March, 25 March, 26 March, 27 March, 28 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 5 April, 6 April, 7 April, 8 April, 9 April, 1 May, 10 May, 22 May, 23 May, 24 May, 25 May, 27 May, 28 May, 29 May, 2 June, 3 June, 5 June, 7 June, 8 June, 9 June, 19 June, 20 June, 23 June, 26 June, 11 July, 13 July, 5 August, 6 August, 7 August, 8 August, 9 August, 10 August, 11 August, 12 August, 13 August, 14 August, 15 August, 17 August, 19 August, 20 August, 21 August, 22 August, 23 August, 24 August, 29 August, 31 August, 1 September, 18 September, 23 September, 25 September, 4 October, 7 October, 8 October, 9 October, 10 October, 11 October, 4 November, 5 November, 6 November, 9 November, 10 November, 22 November, 23 November, 24 November, 25 November, 26 November, 27 November, 1 December, 2 December, 6 December, 7 December, 9 December, 11 December, 12 December, 13 December, 14 December, 15 December, 16 December, 17 December, 18 December, 19 December, 05 January, 6 January, 7 January, 8 January, 10 January, 12 January, 14 January, 19 January, 20 January, 21 January, 22 January, 27 January, 28 January, 29 January, 31 January, 3 February, 4 February, 8 February, 10 February, 11 February, 12 February, 13 February, 14 February, 15 February, 17 February, 18 February, 20 February, 21 February, 23 February, 25 February, 26 February, 27 February, 28 February, 1 March, 4 March, 5 March, 6 March, 8 March, 11 March, 14 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 24 March, 26 March, 05 April, 6 April, 7 April, 8 April, 9 April, 10 April, 11 April, 13 April, 14 April, 15 April, 16 April, 17 April, 18 April, 19 April, 20 April, 7 May, 9 May, 22 May, 23 May, 26 May, 6 September, 1 November, 1 December, 17 December, 18 December, 19 December, 21 January, 24 January, 12 February, 16 February, 17 February, 18 February, 26 February, 27 February, 4 March, 5 March, 11 March, 14 March, 15 March, 16 March, 17 March, 18 March, 19 March, 20 March, 21 March, 22 March, 23 March, 24 March, 26 March, 27 March, 29 March, 30 March, 31 March, 1 April, 2 April, 3 April, 4 April, 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, 16 Jan, 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 July, 02 July, 06 July, 07 July, 08 July, 09 July, 10 July, 11 July

Name*	Sioned Hatcher
Post	Environmental Advisor
Signature	
Date	12/07/17

* authorised to sign on behalf of CELSA Manufacturing UK Limited