

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	13/04/2015, 01.59-02.59, 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 Air
Parameter(s)	CO
Limit	CO = 100 mg/m³
Measured value and uncertainty	13/04/2015, 01.59-02.59, Max Hourly Av.= 158.2 mg/m ³ , Max 95%ile Av.= 157.6 mg/m ³ , 09.59-10.59, Max Hourly Av.= 176.2 mg/m ³ , Max 95%ile Av.= 174.04 mg/m ³ , 10.59-11.59, Max Hourly Av.= 173.8 mg/m ³ , Max 95%ile Av.= 173.38 mg/m ³ , 11.59-12.59, Max Hourly Av.= 178.7 mg/m ³ , Max 95%ile Av.= 176.33 mg/m ³ , 12.59-13.59, Max Hourly Av.= 157 mg/m ³ , Max 95%ile Av.= 152.86 mg/m ³ , 13.59-14.59, Max Hourly Av.= 166.1 mg/m ³ , Max 95%ile Av.= 165.88 mg/m ³ , 14.59-15.59, Max Hourly Av.= 158.38 mg/m ³ , Max 95%ile Av.= 158.6 mg/m ³ , 16.59-17.59, Max Hourly Av.= 195.3 mg/m ³ , Max 95%ile Av.= 178.7 mg/m ³ , 17.59-18.59, Max Hourly Av.= 165.8 mg/m ³ , Max 95%ile Av.= 163.98 mg/m ³ , 18.59-19.59, Max Hourly Av.= 163.2 mg/m ³ , Max 95%ile Av.= 160.41 mg/m ³ , 19.59-20.59, Max Hourly Av.= 200.7 mg/m ³ , Max 95%ile Av.= 196.56 mg/m ³ , 20.59-21.59, Max Hourly Av.= 173.3 mg/m ³ , Max 95%ile Av.= 167.54 mg/m ³ , 21.59-22.59, Max Hourly Av.= 196.7 mg/m ³ , Max 95%ile Av.= 194.47 mg/m ³ , 22.59-23.59 Max Hourly Av.= 158.9 mg/m ³ , Max 95%ile Av.= 158.72 mg/m ³ .
Date and time of monitoring	13/04/2015, 01.59-02.59, 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.
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.	The process was operating normally with no plant failures. CELSA is continuing to operate with low scrap stocks. Scrap screening limits the amount of non-ferrous material entering the scrap bays. However, when stocks are low, it is possible that some non ferrous material on the bottom of the bays will be picked up and enter the furnace. Additionally, CELSA was charging over 110 tonnes of merchant scrap, which is a lower grade of scrap to produce the desired KP18 billets. High carbon levels were recorded in the melts between 01.59-02.59, 13.59-14.59, 16.59-17.59, 17.59-18.59, 18.59-19.59, 19.59-20.59 and 20.59-21.59. This required treatment by the addition of oxygen to reduce the carbon levels. This results in higher than normal CO generation during this time. A scrap car fault was also experienced between 11.59-12.59 and 14.59-15.59. This meant there was a delay on both occasions charging the 3rd basket, resulting in CO breaches at these times. The addition of an electrode occurred between 22.59-23.59. This was undertaken during the melt of the 1st basket due to the observed wear of the electrode. The change took 5 minutes and during this time, the emissions are drawn up to the roof canopy and enter the dedusting plant.
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.	19 April, 9 May, 10 May, 11 May, 1 Jun, 2 Jun, 3 Jun, 4 Jun, 5 Jun, 6 Jun, 8 Jun, 9 Jun, 10 Jun, 11 Jun, 12 Jun, 13 Jun, 14 Jun, 15 Jun, 16 Jun, 17 Jun, 18 Jun, 19 Jun, 21 Jun, 22 Jun, 25 Jun, 26 Jun, 15 Jul, 18 Jul, 8 August, 9 August, 10 August, 12 August, 14 August, 15 August, 16 August, 17 August, 18 August, 19 August, 20 August, 21 August, 23 August, 24 August, 25 August, 26 August, 28 August, 29 August, 31 August, 1 September, 2 September, 3 September, 4 September, 5 September, 6 September, 19 October, 1 November, 10 November, 28 November, 9 December, 16 December, 23 December, 20 January, 21 January, 22 January, 23 January, 24 January, 6 February, 13 February, 28 February, 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.

	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.
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Name*	Sara Jones
Post	Environmental Advisor
Signature	<u>S.Jones.</u>
Date	14/04/2015

* authorised to sign on behalf of CELSA Manufacturing UK Limited