

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	20/12/2019 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, 08.59-09.59, 09.59-10.59, 10.59-11.59, 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, 23.59-00.59

(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																																																																																																																																				
Limit	CO = 100 mg/m³																																																																																																																																				
Measured value and uncertainty	20/12/2019 <table border="1"> <tr><td>00.59-01.59</td><td>Max Hourly Av. = 310.3</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>306.01</td><td>mg/m3</td></tr> <tr><td>01.59-02.59</td><td>Max Hourly Av. = 296.9</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>293.57</td><td>mg/m3</td></tr> <tr><td>02.59-03.59</td><td>Max Hourly Av. = 316.7</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>315.255</td><td>mg/m3</td></tr> <tr><td>03.59-04.59</td><td>Max Hourly Av. = 303.7</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>303.7</td><td>mg/m3</td></tr> <tr><td>04.59-05.59</td><td>Max Hourly Av. = 355.8</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>354.4</td><td>mg/m3</td></tr> <tr><td>05.59-06.59</td><td>Max Hourly Av. = 382.1</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>360.03</td><td>mg/m3</td></tr> <tr><td>06.59-07.59</td><td>Max Hourly Av. = 360.5</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>355.73</td><td>mg/m3</td></tr> <tr><td>08.59-09.59</td><td>Max Hourly Av. = 279.8</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>274.25</td><td>mg/m3</td></tr> <tr><td>09.59-10.59</td><td>Max Hourly Av. = 303.7</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>301.335</td><td>mg/m3</td></tr> <tr><td>10.59-11.59</td><td>Max Hourly Av. = 246.3</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>243.75</td><td>mg/m3</td></tr> <tr><td>12.59-13.59</td><td>Max Hourly Av. = 220.8</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>210.845</td><td>mg/m3</td></tr> <tr><td>13.59-14.59</td><td>Max Hourly Av. = 289.1</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>287.945</td><td>mg/m3</td></tr> <tr><td>14.59-15.59</td><td>Max Hourly Av. = 252.2</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>251.315</td><td>mg/m3</td></tr> <tr><td>15.59-16.59</td><td>Max Hourly Av. = 310.5</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>310.36</td><td>mg/m3</td></tr> <tr><td>16.59-17.59</td><td>Max Hourly Av. = 324.7</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>317.5</td><td>mg/m3</td></tr> <tr><td>17.59-18.59</td><td>Max Hourly Av. = 299.4</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>298.15</td><td>mg/m3</td></tr> <tr><td>18.59-19.59</td><td>Max Hourly Av. = 310.8</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>310.575</td><td>mg/m3</td></tr> <tr><td>19.59-20.59</td><td>Max Hourly Av. = 289.5</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>289.34</td><td>mg/m3</td></tr> <tr><td>20.59-21.59</td><td>Max Hourly Av. = 315</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>311.64</td><td>mg/m3</td></tr> <tr><td>21.59-22.59</td><td>Max Hourly Av. = 257.6</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>256.52</td><td>mg/m3</td></tr> <tr><td>22.59-23.59</td><td>Max Hourly Av. = 354.4</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>326.185</td><td>mg/m3</td></tr> <tr><td>23.59-00.59</td><td>Max Hourly Av. = 285.8</td><td>mg/m3</td><td>Max 95%ile Av.</td><td>284</td><td>mg/m3</td></tr> </table>	00.59-01.59	Max Hourly Av. = 310.3	mg/m3	Max 95%ile Av.	306.01	mg/m3	01.59-02.59	Max Hourly Av. = 296.9	mg/m3	Max 95%ile Av.	293.57	mg/m3	02.59-03.59	Max Hourly Av. = 316.7	mg/m3	Max 95%ile Av.	315.255	mg/m3	03.59-04.59	Max Hourly Av. = 303.7	mg/m3	Max 95%ile Av.	303.7	mg/m3	04.59-05.59	Max Hourly Av. = 355.8	mg/m3	Max 95%ile Av.	354.4	mg/m3	05.59-06.59	Max Hourly Av. = 382.1	mg/m3	Max 95%ile Av.	360.03	mg/m3	06.59-07.59	Max Hourly Av. = 360.5	mg/m3	Max 95%ile Av.	355.73	mg/m3	08.59-09.59	Max Hourly Av. = 279.8	mg/m3	Max 95%ile Av.	274.25	mg/m3	09.59-10.59	Max Hourly Av. = 303.7	mg/m3	Max 95%ile Av.	301.335	mg/m3	10.59-11.59	Max Hourly Av. = 246.3	mg/m3	Max 95%ile Av.	243.75	mg/m3	12.59-13.59	Max Hourly Av. = 220.8	mg/m3	Max 95%ile Av.	210.845	mg/m3	13.59-14.59	Max Hourly Av. = 289.1	mg/m3	Max 95%ile Av.	287.945	mg/m3	14.59-15.59	Max Hourly Av. = 252.2	mg/m3	Max 95%ile Av.	251.315	mg/m3	15.59-16.59	Max Hourly Av. = 310.5	mg/m3	Max 95%ile Av.	310.36	mg/m3	16.59-17.59	Max Hourly Av. = 324.7	mg/m3	Max 95%ile Av.	317.5	mg/m3	17.59-18.59	Max Hourly Av. = 299.4	mg/m3	Max 95%ile Av.	298.15	mg/m3	18.59-19.59	Max Hourly Av. = 310.8	mg/m3	Max 95%ile Av.	310.575	mg/m3	19.59-20.59	Max Hourly Av. = 289.5	mg/m3	Max 95%ile Av.	289.34	mg/m3	20.59-21.59	Max Hourly Av. = 315	mg/m3	Max 95%ile Av.	311.64	mg/m3	21.59-22.59	Max Hourly Av. = 257.6	mg/m3	Max 95%ile Av.	256.52	mg/m3	22.59-23.59	Max Hourly Av. = 354.4	mg/m3	Max 95%ile Av.	326.185	mg/m3	23.59-00.59	Max Hourly Av. = 285.8	mg/m3	Max 95%ile Av.	284	mg/m3
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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

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.	2017 18Dec, 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, 22Feb, 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, 10Aug, 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, 18Sept, 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, 4Nov, 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, 30th Jan, 1st Feb, 2nd Feb, 5th, 6th Feb, 7th Feb, 9th Feb, 10th, 11th, 12th, 13th Feb, 14th Feb, 15th Feb, 16th Feb, 18th Feb, 19thFeb, 20th Feb, 21st Feb, 22nd Feb, 23rd Feb, 24th Feb, 25thFeb, 26th, 27th, 28th, 1st March, 2nd, 3rd, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 18th, 19th, 24th, 25th, 26th, 27th, 29th, 30th, 31st, 1st April, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 15th, 16th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 1st May, 2nd, 3rd, 4th, 5th, 6th, 7th, 23rd, 24th, 25th, 3rd June, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 19th, 20th, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, August 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st Sept 1st, 2nd, 3rd, 4th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, Oct 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 25th, 26th, 27th, 28th, 29th, 30th, Nov 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 25th, 26th, 27th, 28th, 29th, 30th, Dec 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 25th, 26th, 27th, 28th, 29th, 30th, 31st

	30 th , 31 st Nov 1 st , 2 nd , 3 rd , 4 th , 5 th , 6 th , 8 th , 9 th , 10 th , 11 th , 12 th , 15 th DEC 4 th , 5 th 6th, 7th, 8th , 9 th , 12 th , 13 th , 14 th , 15 th , 16 th , 17 th , 18 th , 19 th
Name*	Gabriella Nizam
Post	Environmental Advisor
Signature	
Date	07/01/2020

* authorised to sign on behalf of CELSA Manufacturing UK Limited