



Building 58, Castle Works, East Moors Road  
CARDIFF CF24 5NN  
Tel: 029 2035 1800  
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29<sup>th</sup> January 2021

Mrs E A Parr  
PPC Compliance Assistant  
Natural Resources Wales  
Rivers House  
St Mellons Business Park  
St Mellons  
CARDIFF  
CF3 0EY

Our Ref: W:\Environmental\IPPC/Environment Agency Reporting\Permit Reporting\Rod and Bar Mill\Returns\EA\Annual\2020

Dear Mrs Parr,

**RE: Rod and Bar Mill EPR Permit BV0759IC Annual Returns 2020**

In accordance with CELSA Manufacturing UK Ltd Environmental Permitting Regulations (EPR) Rod and Bar Mill Permit BV0759IC, please find forms A2, EW1, R1 and PI1 duly completed for the annual reporting period 2020.

Should you require any further information regarding these returns please do not hesitate to contact me.

Yours sincerely

**Hannah Mayled**  
**Environmental Graduate**

Form Number: A2

Permit Reference Number: **EPR/BV0759IC**

Operator: CELSA Manufacturing (UK) Ltd

Installation: Cardiff Rod and Bar Mill

|                          |      |
|--------------------------|------|
| Release for year ending: | 2020 |
|--------------------------|------|

| Reporting Form A2                                              |                     |                                               |
|----------------------------------------------------------------|---------------------|-----------------------------------------------|
| Parameter                                                      | Limit value (kg)    | Annual release (kg)                           |
| Oxides of nitrogen annual mass emissions (as NO <sub>2</sub> ) | No applicable limit | 50,526                                        |
| Oxides of sulphur annual mass emissions (as SO <sub>x</sub> )  | No applicable limit | Not required – monitoring removed from permit |
| Carbon Monoxide annual mass emissions                          | No applicable limit | Not required – monitoring removed from permit |
| Particulate annual mass emissions                              | No applicable limit | Not required – monitoring removed from permit |

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| Signed on behalf of the Operator |  |
|----------------------------------|-------------------------------------------------------------------------------------|

|      |                 |
|------|-----------------|
| Date | 29 January 2021 |
|------|-----------------|

Form Number: EW1

Permit Reference Number: **EPR/BV0759IC**

Operator: CELSA Manufacturing (UK) Ltd

Installation: Cardiff Rod and Bar Mill

## Energy and Water Consumption

Release for Calendar Year ending: ...2020.

| Reporting Form EW1                                         |          |
|------------------------------------------------------------|----------|
| Parameter                                                  | Quantity |
| Delivered Electricity MWh                                  | 66,278   |
| Primary electricity (delivered x 2.4) MWh                  | 159,067  |
| Primary carbon dioxide (primary electricity<br>x 0.166) te | 26,405   |
| Delivered gas MWh                                          | 229,582  |
| Process water used m <sup>3</sup>                          | 139,828  |

Signed on behalf of the Operator



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Date ...29 January 2021

Form Number: R1

Permit Reference Number: **EPR/BV0759IC**

Operator: CELSA Manufacturing (UK) Ltd

Installation: Cardiff Rod and Bar Mill

**Reporting of Waste Disposal and Recovery for the year .....2020.....**

| Waste<br>Description             | Disposal                                     |                      |             | Recovery        |
|----------------------------------|----------------------------------------------|----------------------|-------------|-----------------|
|                                  | Waste                                        | Route                | Tonnes      | Tonnes          |
|                                  |                                              |                      |             |                 |
| 1) Hazardous Wastes              | Used oils / Grease / Oil Filters             | Treatment / Disposal |             |                 |
| Named hazardous waste            | Oils / Rags / Filters / Chemicals            | Treatment / Disposal |             | 14.9            |
|                                  | Mineral-based non-chlorinated hydraulic oils |                      |             |                 |
|                                  | Oil from oil/water separators                |                      |             |                 |
| Other hazardous wastes           | Hoses                                        | Recovery             |             | 0.5             |
|                                  | Paint Tins                                   | Recovery             |             |                 |
|                                  | Oil & Water                                  |                      |             | 13.1            |
| <b>Total hazardous waste</b>     |                                              |                      | <b>0.00</b> | <b>28.5</b>     |
|                                  |                                              |                      |             |                 |
| 2) Non-Hazardous Wastes          | Gen Waste                                    | Recycling            |             | 144.6           |
| Named non-haz. Waste             | Scrap Metal                                  | Recovery             |             | 8,472.7         |
| Other non-hazardous wastes       | Mill Scale                                   | Recovery             |             | 9,512.8         |
|                                  | Paper/Card                                   | Recycling            |             | 6.1             |
|                                  | Organic Waste                                | Recovery             |             |                 |
|                                  | Wood                                         | Recycling            |             | 103.8           |
|                                  | WEEE                                         | Recycling            |             | 2.4             |
| <b>Total non-hazardous waste</b> |                                              |                      | <b>0.00</b> | <b>18,242.4</b> |
|                                  |                                              |                      |             |                 |
| <b>TOTAL WASTE</b>               |                                              |                      | <b>0.00</b> | <b>18,270.9</b> |

Operator's comments:

Signed ..... *J. Mayfield* .....  
(authorised to sign as representative of the Operator)

Date...29 January 2021

Form Number: PI1 - Environmental Performance Indicators

Permit Reference Number: **EPR/BV0759IC**  
Operator: CELSA Manufacturing (UK) Ltd  
Installation: Cardiff Rod and Bar Mill

**Reporting of Performance Indicators for the year ...2020.....**

| Parameter                          | Annual Average | Units                                             |
|------------------------------------|----------------|---------------------------------------------------|
| Delivery of Raw Billet             | 645,391        | Steel delivered [tonnes]                          |
| Production of rolled steel product | 627,514        | Steel produced [tonnes]                           |
| Water Usage                        | 93.17          | Water supplied per tonne of rolled steel [litres] |
| Usage of oils                      | 0.31           | Oil usage per tonne of rolled steel [litres]      |
| NOx production                     | 0.081          | NOx release per tonne of steel rolled [kg]        |
| SOx production                     | N/A            | SOx release per tonne of steel rolled [kg]        |
| Waste Hazard Score                 |                |                                                   |
| Waste Disposal Score               |                |                                                   |
|                                    |                |                                                   |
|                                    |                |                                                   |
|                                    |                |                                                   |

| Year | Delivery of Raw Billet | Production of rolled steel product | Water supplied per tonne of rolled steel [litres] | Oil usage per tonne of rolled steel [litres] | NOx production per tonne of rolled steel [kg] | SOx production per tonne of rolled steel [kg] | Waste Hazard Score | Waste Disposal Score |
|------|------------------------|------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------------------|----------------------|
| 2011 | 710,654                | 681,479                            | 139                                               | 0.458                                        | 0.098                                         | N/A                                           |                    |                      |
| 2012 | 742,452                | 716,378                            | 132                                               | 0.296                                        | 0.053                                         | N/A                                           |                    |                      |
| 2013 | 679,314                | 660,150                            | 138.4                                             | 0.271                                        | 0.078                                         | N/A                                           |                    |                      |
| 2014 | 677,881                | 656,948                            | 128.91                                            | 0.248                                        | 0.066                                         | N/A                                           |                    |                      |
| 2015 | 779,027                | 713,941                            | 163.84                                            | 0.272                                        | 0.082                                         | N/A                                           |                    |                      |
| 2016 | 733,006                | 711,180                            | 163.29                                            | 0.261                                        | 0.069                                         | N/A                                           |                    |                      |
| 2017 | 685,262                | 665,837                            | 193.44                                            | 0.340                                        | 0.033                                         | N/A                                           |                    |                      |
| 2018 | 706,583                | 685,973                            | 207.46                                            | 0.348                                        | 0.09                                          | N/A                                           |                    |                      |
| 2019 | 714,746                | 695,199                            | 188.0                                             | 0.456                                        | 0.055                                         | N/A                                           |                    |                      |
| 2020 | 645,391                | 627,514                            | 93.17                                             | 0.31                                         | 0.081                                         | N/A                                           |                    |                      |

Operator's comments :

Signed ..... *J. Mayfield* .....

Date.....29 January 2021