

Permit Reference Number : BX9471IU

Operator : Tata Steel UK Ltd

Installation : Tata Steel Packaging, Trostre Works, Llanelli

Form Number : A1

Reporting of Emissions to Air for Quarter 3 (Jul - Sep)2017

Emission Point	Substance/ Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/Certification ^[4]	Uncertainty ^[5]
A6	NOx as NO ₂	350 mg/m ³	238.2	ISO 10849	29/09/17		95

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

[a] Refers to limits for firing on heavy fuel oil only

[b] Refers to limits for firing on natural gas only

Signed 
(authorised to sign as representative of the Operator)

Date 23/10/17

Comments:

Permit Reference Number : BX9471IU

Installation: Tata Steel Packaging, Trostre Works, Llanelli

Reporting of Energy Usage for Quarter 3 (Jul - Sep) 2017

Operator : Tata Steel UK Limited
Form Number: E1

Delivered Electricity MWh	41,704
Primary electricity MWh	108,430
Primary carbon dioxide, tonnes	18,065
Delivered gas MWh	59,858
TOTAL ENERGY USE, MWh	101,562

- Conversion factor for delivered electricity to primary electricity = Delivered x2.6
- Conversion factor for primary carbon dioxide = Primary electricity x 0.166 tonnes

	Primary Energy usage	CO ₂ produced	CO ₂ per unit output

Operator's comments :

Total Energy Use = Delivered Electricity + Delivered Gas only
Primary Energy Usage 2008 - 13 = Total Annual Energy Usage

Signed
(authorised to sign as representative of the Operator)

Date 23/10/17

Permit Reference Number : **BX9471IU**

Operator : **Tata Steel UK Limited**

Installation : **Tata Steel Packaging, Trostre Works, Llanelli**

Form Number : **WU1**

Release for **Quarter 3 (Jul - Sep) 2017**

Reporting Form WU1

Activity	Use	Amount used during quarter (m ³ /yr)	% of total	Amount used for 2015 (m ³ /yr)	% change on 2015
Process Trade water	Non-potable	409,015	92.7		
Process Potable	Domestic	32,029	7.3		
	Total Water Use	441,044			

Signed
(authorised to sign as representative of the Operator)

Date.....

Permit Reference Number : BX9471IU

Operator : Tata Steel UK Limited

Installation : **Tata Steel Packaging, Trostre Works, Llanelli**

Form Number : R1

Reporting of Waste Disposal and Recovery for Quarter 3 (Jul - Sep) 2017

Waste Description	Disposal		Recovery
	Route	Tonnes	Tonnes
Hazardous Wastes			
Named hazardous wastes	Oil Waste & Spent Tin electrolyte	27	226
Other hazardous wastes			
Total hazardous waste			
Non-Hazardous Wastes			
Named non-hazardous wastes	General Waste, Wood, Shot Blast & Filler Cake	1341	53
Other non-hazardous wastes			
Total non-hazardous waste			
TOTAL WASTE		1368	

Operators Comments

Signed  Date..... 23/10/17
(authorised to sign as representative of the Operator)

Reporting of Emissions to Water for the period from 01 / 07 / 2017 to ... 31/07/2017

Emission Point	Substance / Parameter	Emission Limit Value	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Accreditation/ Certification ⁽⁴⁾	Uncertainty ⁽⁵⁾
W1	Flow	190 litres/second, expressed as daily average	86.8 ltrs / sec	To commence on completion of IC11. (See permit)	02/07/17		
	Temperature	35°C	33.8 °C	(See permit)	18/07/17		
	pH	5.0 - 10.0	8.8 7.5	BS6068-2.50:1995,ISO 10523:1984 ⁽¹⁾	07/07/17 26/07/17		
	Suspended Solids	60 mg/l	19.0 mg/l	BS EN 872:1996 BS 6068-2.54:1996 ⁽¹⁾	22/07/17		
	Oil and Grease	12 mg/l	6.1 mg/l	SCA Blue Book 77 ISBN 0117517283 ⁽¹⁾	04/07/17		
	Phenolsulphonic Acid		n/a	SCA Blue Book 50 ISBN 0117516171 ⁽¹⁾	n/a		
	Total Phenols, mg/l		n/a	SCA Blue Book 50 ISBN 0117516171	n/a		
	Dissolved Iron	40 mg/l	2.75 mg/l	BS ISO 17294-2:2003 BS6068-2.89:2003 ⁽¹⁾	15/07/17		
	Total Chromium	0.4 mg/l	0.070 mg/l	BS ISO 17294-2:2003 BS6068-2.89:2003 ⁽¹⁾	15/07/17		
	Mercury	0.005 mg/l	n/a	Compliance based on mass balance calculation (see condition 6.11)	Annual Requirement		
	Cadmium	0.01 mg/l	n/a	Compliance based on mass balance calculation (see condition 6.11)	Annual Requirement		
	Biochemical Oxygen Demand	100 mg/l	n/a	BS EN 1899-1 (1998)	n/a		
	Chemical Oxygen Demand	300 mg/l	211 mg/l	SCA Blue Book 97 ISBN 0117519154	06/07/17		

Note 1: The stated methods will be applied from 01/07/06. Prior to this time, existing methods (as previously used) to monitor these parameters under Authorisation Ref: AF7789/EO3380) will be used.

Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

Demetrius 23/10/17

Reporting of Emissions to Water for the period from 01 / 08 / 2017 to ... 31/08/2017

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W1	Flow	190 litres/second, expressed as daily average	53.2 ltrs / sec	To commence on completion of IC11. (See permit)	11/08/17		
	Temperature	35°C	34.3 °C	(See permit)	27/08/17		
	pH	5.0 - 10.0	8.9 7.1	BS6068-2.50:1995,ISO 10523:1984 ^[1]	18/08/17 04/08/17		
	Suspended Solids	60 mg/l	25.0 mg/l	BS EN 872:1996 BS 6068-2.54:1996 ^[1]	03/08/17		
	Oil and Grease	12 mg/l	4.0 mg/l	SCA Blue Book 77 ISBN 0117517283 ^[1]	07/08/17		
	Phenolsulphonic Acid		n/a	SCA Blue Book 50 ISBN 0117516171 ^[1]	n/a		
	Total Phenols, mg/l		n/a	SCA Blue Book 50 ISBN 0117516171	n/a		
	Dissolved Iron	40 mg/l	4.0 mg/l	BS ISO 17294-2:2003 BS6068-2.89:2003 ^[1]	04/08/17		
	Total Chromium	0.4 mg/l	0.070 mg/l	BS ISO 17294-2:2003 BS6068-2.89:2003 ^[1]	27/08/17		
	Mercury	0.005 mg/l	n/a	Compliance based on mass balance calculation (see condition 6.11)	Annual Requirement		
	Cadmium	0.01 mg/l	n/a	Compliance based on mass balance calculation (see condition 6.11)	Annual Requirement		
	Biochemical Oxygen Demand	100 mg/l	n/a	BS EN 1899-1 (1998)	n/a		
	Chemical Oxygen Demand	300 mg/l	134 mg/l	SCA Blue Book 97 ISBN 0117519154	23/08/17		

Note 1: The stated methods will be applied from 01/01/06. Prior to this time, existing methods (as previously used) to monitor these parameters under Authorisation Ref: AF7789/503380 will be used.

Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

Paul Hughes 23/10/17

Reporting of Emissions to Water for the period from 01 / 09 / 2017 to ... 30/09/2017

Emission Point	Substance / Parameter	Emission Limit Value	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Accreditation/ Certification ⁽⁴⁾	Uncertainty ⁽⁵⁾
W1	Flow	190 litres/second, expressed as daily average	61.3 ltrs / sec	To commence on completion of IC11. (See permit)	20/09/17		
	Temperature	35°C	33.9 °C	(See permit)	20/09/17		
	pH	5.0 - 10.0	8.5 7.2	BS6068-2.50:1995,ISO 10523:1984 ⁽¹⁾	26/09/17 28/09/17		
	Suspended Solids	60 mg/l	23.6 mg/l	BS EN 872:1996 BS 6068-2.54:1996 ⁽¹⁾	10/09/17		
	Oil and Grease	12 mg/l	7.0 mg/l	SCA Blue Book 77 ISBN 0117517283 ⁽¹⁾	10/09/17		
	Phenolsulphonic Acid		n/a	SCA Blue Book 50 ISBN 0117516171 ⁽¹⁾	n/a		
	Total Phenols, mg/l		n/a	SCA Blue Book 50 ISBN 0117516171	n/a		
	Dissolved Iron	40 mg/l	2.1 mg/l	BS ISO 17294-2:2003 BS6068-2.89:2003 ⁽¹⁾	17/09/17		
	Total Chromium	0.4 mg/l	0.110 mg/l	BS ISO 17294-2:2003 BS6068-2.89:2003 ⁽¹⁾	10/09/17		
	Mercury	0.005 mg/l	n/a	Compliance based on mass balance calculation (see condition 6.11)	Annual Requirement		
	Cadmium	0.01 mg/l	n/a	Compliance based on mass balance calculation (see condition 6.11)	Annual Requirement		
	Biochemical Oxygen Demand	100 mg/l	n/a	BS EN 1899-1 (1998)	n/a		
	Chemical Oxygen Demand	300 mg/l	133 mg/l	SCA Blue Book 97 ISBN 0117519154	18/09/17		

Note 1: The stated methods will be applied from 01/01/06. Prior to this time, existing methods (as previously used to monitor these parameters under Authorisation Ref: AF7789/BO3380) will be used.

Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

23/10/17