

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

TATA Steel UK Ltd

TATA Steel Strip Products UK
Llanwern Works
Newport
NP19 4QZ

Variation application number
EPR/BS3905IP/V004

Permit number
EPR/BS3905IP

TATA Steel Strip Products UK

Permit number EPR/BS3905IP

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

This variation is to include:

- changes made to the Zodiac galvanizing line to increase capacity, comprising additional radiant tube heater units (fired by low NOx burner units using natural gas fuel) which result in increased NOx emissions;
- an increase in the emissions limit value for hydrogen chloride emissions from the pickling lines emissions points, in keeping with the Sector Guidance Note benchmark emissions;
- removal of arsenic, cyanide, phenol and benzene as parameters which are monitored and reported in discharges from emission point W1, as the original sources of these pollutants have now been removed from the site;
- an increase in suspended sediment emission limits to the Severn Estuary from 50 mg/l to 100 mg/l, as the majority of the sediment load in the site effluent is already contained in the natural sediment load in surface waters entering the site drainage system.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status Log of the permit		
Detail	Date	Comments
Application BS3905	Received 31/07/02 & 10/01/03	
Response to request for information	Request dated 9/08/02 Request dated 18/10/02	Response dated 5/09/02 Response dated 10/01/03 & 17/06/03
Request to extend determination	Requested 1/12/03	Response dated 08/12/03
Request to extend determination	Requested 27/01/04	Response dated 29/01/04
Request to extend determination	Requested 2/03/04	Response dated 4/03/04
Permit BS3905	Determined 18/03/04	
Application EA/EPR/BS3905IP/V002	Duly made 20/11/08	Response dated 17/02/09
Additional Information Received	17/11/08, 28/01/09, 6/3/09, 17/03/09, 06/8/09	28/01/09, 1/02/09, 17/03/09, 21/10/09
Variation EA/EPR/BS3905IP/V002	26/10/09	
Received notification of change of company name	06/10/10	
Issue of updated permit pages to show change of company name	19/10/10	
Application EPR/BS3905IP/S003	14/12/12	Duly made date
Additional information received	23/01/13	Revised site plan
Partial Surrender Notice EPR/BS3905IP/S003 issued	05/02/13	
Variation Application EPR/BS3905IP/V004	10/04/13	Duly made date
Variation Notice EPR/BS3905IP/V004 issued	13/05/13	

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Tata Steel UK Limited – South Side Queensway Landfill	GP3331SV	14/08/2007

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/BS3905IP

issued to:
TATA Steel UK Ltd (“the operator”)

whose registered office is

30 Millbank
London
SW1P 4WY

company registration number 2280000

to operate a regulated facility at

TATA Steel Strip Products UK
Llanwern Works
Newport
NP19 4QZ

to the extent set out in the schedules.

The notice shall take effect from 13/05/2013

Name

Date

Eirian Macdonald	13/05/2013
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Authorised on behalf of Natural Resources Wales

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator

Table 1.1.1 of the permit EPR/BS3905IP/V002, as it relates to condition 1.1.1 of the permit BS3905IP, shall be amended to:

Table 1.1.1 Activity under Schedule 1 of the Regulations/ Associated Activity	Description of specified activity	Limits of specified activity
Processing ferrous metals and their alloys by using hot-rolling mills with a production capacity of more than 20 tonnes of crude steel per hour. [Schedule 1 Activity – Chapter 2, Section 2.1, Part A(1)(c)]	Hot Strip Mill	(1)
Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more. [Schedule 1 Activity – Chapter 1, Section 1.1, Part A(1)(a)]	140 MWth Slab Reheat Furnace No 1 140 MWth Slab Reheat Furnace No 2 140 MWth Slab Reheat Furnace No 3 140 MWth Slab Reheat Furnace No 4 140 MWth Slab Reheat Furnace No 5	(1)
Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more. [Schedule 1 Activity – Chapter 1, Section 1.1, Part A(1)(a)]	19.5 MWth Natural gas-fired boiler No 1 19.5 MWth Natural gas-fired boiler No 2 19.5 MWth Natural gas-fired boiler No 3	(1)
Surface treating metals and plastic materials using an electrolytic or chemical process where the aggregated volume of the treatment vats is more than 30 m ³ and where the activity is carried out at the same installation as one or more activities falling within – Part A(2) of Section 2.1 [Schedule 1 Activity – Chapter 2, Section 2.3, Part A(2)]	Pickle lines 1 & 2	(1)
Applying protective fused metal coatings with an input of more than 2 tonnes of crude steel per hour. [Schedule 1 Activity – Chapter 2, Section 2.1, Part A(2)(c)]	ZODIAC Hot Dip Galvanising Line, including precleaner, radiant furnace and direct fired furnace (combined rating 22.2MW), chromate treatments, Meibach Welder and Zinc recovery unit (Zinkoff).	(1)
Directly associated activity	Slab unloading, storage and transfer to the furnaces.	(1)
Directly associated activity	Packing and despatch areas	(1)
Directly associated activity	Cold Reduction Mill	(1)
Directly associated activity	Water treatment plant	(1)
Directly associated activity	Pickle line effluent treatment plant	(1)
Directly associated activity	Hot Mill Sludge filter press plant	(1)

Note

(1) The limits of specified and associated activities collectively comprise all activities carried out in the installation between the receipt of raw materials to the supply of finished products

Table 2.3.1 of the permit EPR/BS3905IP/V002, as it relates to condition 2.3.1 of the permit BS3905IP, shall be amended to:

Table 2.3.1: Operating techniques		
Description	Parts	Date Received
Application	The response to question B2.3 given in Section B2.3 of the application	31/7/02
Response to Schedule 4 Part 1 Notice	Response to question B2.3	13/01/03
Variation Application	Application overview document, letter dated 6/8/09	20/11/08, 6/8/09
Variation Application EPR/BS3905IP/V004	Variation Application Overview Document	10/04/13

Table 6.1.2 of the permit EPR/BS3905IP/V002, as it relates to conditions 6.1.2 and 6.1.3 of the permit BS3905IP, shall be amended to:

Table 6.1.2: Emission limits into air						
Emission point	Source	Parameters				
		Monitoring frequency¹				
		NOx (as NO₂) mg/m³	CO mg/m³	Hydrogen chloride mg/m³	Particulates (PM)mg/m³	Oil mist mg/m³
A1	Slab reheat furnace No 1	400	-	-	-	-
A2	Slab reheat furnace No 2	400	-	-	-	-
A3	Slab reheat furnace No 3	400	-	-	-	-
A4	Slab reheat furnace No 4	400	-	-	-	-
A5	Slab reheat furnace No 5	400	-	-	-	-
A6	Pickle line stack No 1	-	-	10	-	-
A7	Pickle line stack No 2	-	-	10	-	-
A8	Pickle line roof extraction ⁽²⁾	-	-	5	-	-
A9	Cold Mill oil mist vent ⁽²⁾	-	-	-	-	15
A10	Zodiac precleaner stack ⁽²⁾	-	-	-	5	-
A11	Zodiac heat treatment stack	350	-	-	-	-
A12	Zodiac chromate stack ⁽²⁾	-	-	-	5	-
A13	Meibach welder ⁽²⁾	-	-	-	5	-
A14	Package boiler No 1 ⁽³⁾	140 on natural gas 200 on gas oil	-	-	50 on gas oil	-
A15	Package boiler No 2 ⁽³⁾			-		-
A16	Package boiler No 3 ⁽³⁾			-		-
A17	Pickle line scalemaster unit ⁽²⁾	-	-	-	5	-

Notes :

1. All release points to be monitored at least quarterly with at least 4 weeks between tests unless indicated otherwise.
2. Annual monitoring.
3. 6 monthly monitoring

Table 6.3.3 of the permit EPR/BS3905IP/V002, as it relates to condition 6.3.3 of the permit BS3905IP, shall be amended to:

Table 6.3.3: Emission limits into water		
Parameter	Emission Point W1	Monitoring Frequency
Flow rate	28 000 m ³ /day (dry weather)	
pH min	6	Continuous
pH max	12	
Surface oil	None specified	
Total hydrocarbon oil ⁽³⁾	5 mg/l	Weekly average
Suspended solids ^{(1) (2) (3) (4)}	100 mg/l	
Dissolved iron ^{(1) (3)}	10 mg/l	
Total chromium ^{(1) (3)}	0.2 mg/l	
Dissolved nickel ^{(1) (3)}	0.2 mg/l	
Zinc ^{(1) (3)}	2 mg/l	
Copper ^{(1) (3)}	0.1mg/l	
Lead ^{(1) (3)}	0.8 mg/l	
Cadium ^{(1) (3)}	0.05mg/l	
Mercury ^{(1) (3)}	0.05mg/l	
Ammoniacal nitrogen	None specified	Monthly

Notes:

1. Any representative spot sample.
2. The solids shall be separated and dried at 105°C.
3. Limit shall be complied with if 95% of all weekly representative spot samples during a rolling half year period do not exceed the limit value given in Table 6.3.3 and the peak spot sample value does not exceed 1.5 times the limit value.

Table 9.1.1 of the permit EPR/BS3905IP/V002, as it relates to condition 9 of the permit BS3905IP, shall be amended to:

Table 9.1.1: Improvement programme requirements		
Reference	Requirement	Date ⁽¹⁾
9.17	The Operator shall propose a programme of monitoring process effluents discharged to drains 6-8 and monitoring background water quality in waters upstream of process effluent discharges. The monitoring locations, parameters modelled and reporting arrangements are to be agreed in writing with Natural Resources Wales.	13/08/13

Note 1. Or as otherwise agreed in writing by Natural Resources Wales.

Table S2 of the permit EPR/BS3905IP/V002, as it relates to condition 1.1.1 of the permit BS3905IP, shall be amended to:

Table S2: Reporting of monitoring data			
Parameter	Emission point	Reporting period	Period begins
Particulate mg/m ³	A10, A12 A13, A17	Every 12 months	01/01/10
Particulate mg/m ³	A14, A15, A16	Every 6 months	01/01/10
Oxides of nitrogen (as NO ₂) mg/m ³	A1, A2, A3, A4, A5, A11,	Every 3 months	01/01/10
Oxides of nitrogen (as NO ₂) mg/m ³	A14, A15, A16	Every 6 months	01/01/10
Carbon monoxide mg/m ³	A1, A2, A3, A4, A5, A11,	Every 3 months	01/01/10
Carbon monoxide mg/m ³	A14, A15, A16	Every 6 months	01/01/10
Hydrogen chloride mg/m ³	A6, A7	Every 3 months	01/01/04
	A8	Every 12 months	
Oil mist mg/m ³	A9	Every 12 months	01/01/04
Metals ⁽¹⁾ mg/m ³	W1	Every 3 months	01/01/04
pH	W1	Every 3 months	01/01/04
Suspended solids mg/l	W1	Every 3 months	01/01/04
Total hydrocarbon oil mg/l	W1	Every 3 months	01/01/04
Maximum flow m3/day	W1	Every 3 months	01/01/04
Ammoniacal nitrogen	W1	Every 3 months	01/01/04
Gas oil sulphur content, %w/w		Every 3 months	01/01/04
Energy		Every 12 months	01/01/04
Waste		Every 12 months	01/01/04
Total annual oxides of nitrogen (T)	A14, A15, A16	Annually	01/01/10
Total annual oxides of sulphur (T) (expressed as SO ₂)	A14, A15, A16	Annually	01/01/10
Total annual dust emission (T) (expressed as total suspended particulates)	A14, A15, A16	Annually	01/01/10
<i>Notes</i>			
1. Metals means elements and compounds expressed as the metal and includes Cd, Cr, Cu, Hg, Ni, Pb, Zn, Fe, Pb			

Schedule 3 – conditions to be added

None