

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Shotton Works

Corus Colors
Shotton Works
Deeside
Flintshire
CH5 2NH

Variation notice number
EPR/BR7321IK/V004

Permit number
BR7321

Shotton Works

Permit Number BR7321

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

This variation notice permits the installation of a thermal oxidiser to replace two incinerators for abatement of VOC emissions from No.1 Colorcoat line paint curing ovens. A new emission point (A12a) is introduced to replace points A11 and A12. The new thermal oxidiser will result in significantly reduced energy consumption and lower emissions. The variation also permits the installation of new bulk storage tanks for solvents used on No.2 Colorcoat line. These replace semi-bulk storage of solvents in IBCs and waste solvents in a sump and will result in fewer fugitive solvent emissions.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions and Schedule 3 lists any conditions that have been added.

Status Log of the permit

Detail	Date	Response Date
Application BR7321	Duly made 10/07/03	
Response to request for information	Request dated 12/12/03	05/02/04
Permit determined	12/03/04	
Application for Variation	Received 05/09/06	
Additional Information	Received 07/09/06	
Variation Notice	Issued 10/10/06	BP3835MQ
Application for variation	Received 25/04/07	
Additional information	Received 18/05/07	
Variation Notice	Issued 04/06/07	QP3838UM
Application for variation	Received 13/10/08	
Additional information	Received 10/12/08	
Variation Notice	Issued 17/12/08	EPR/BR7321IK/V004

End of Introductory Note

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

BR7321

Variation number

EPR/BR7321IK/V004

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2007 (SI 2000 No 3538) varies the permit as set out below.

Corus Colors ("the operator"),

whose registered office is

30 Millbank

London SW1P 4WY

company registration number 2280000

holds a permit to operate a regulated facility at

Shotton Works

Deeside

Flintshire

CH5 2NH

and that permit is varied to the extent set out in Schedules 1 to 3 of this notice.

The notice shall take effect from [insert date]

Name

Date

	17/12/08
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Ann Weedy

Authorised on behalf of the Agency

Schedule 1 – conditions to be deleted

1. None,

Schedule 2 – conditions to be amended

2. Condition 2.1.1 to be amended to:

- 2.1.1 The permitted facility shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this permit.

Table 2.1.1: Operating techniques		
Description	Parts	Date received
Application	Chapter 2 and Chapter 7 of Annex 6, Annex 7, Annex 9, Annex 10, Annex 11, Annex 12 and Annex 16	10 th July 2003
Application for variation	All	5 th September 2006
Additional Information	All	7 th September 2006
Application for variation	All	25 th April 2007
Additional information	All	21 st May 2007
Application for variation	All	13 th October 2008
Additional information	All	10 th December 2008

3. Condition 2.2.1.2 to be amended to:

- 2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the sources specified in that table.

Table 2.2.1: Emission points to air		
Emission point reference or description	Source	Location of emission point
A1 Package boiler house	Package boiler No.1	Point A1 on plan 307656
A2 Package boiler house	Package boiler No.2	Point A2 on plan 307656
A3 Package boiler house	Package boiler No.3	Point A3 on plan 307656
A4 Package boiler house	Package boiler No.4	Point A4 on plan 307656
A5 Coatings 2 boiler house	Steam boiler No.1	Point A5 on plan 307656
A6 Coatings 2 boiler house	Steam boiler No.2	Point A6 on plan 307656
A7 Coatings 2 boiler house	High pressure hot water boiler No.1	Point A7 on plan 307656
A8 Coatings 2 boiler house	High pressure hot water boiler No.2	Point A8 on plan 307656
A9 Warehouse bay 7	High pressure hot water boiler No.1	Point A9 on plan 307656
A10 Warehouse bay 7	High pressure hot water boiler No.2	Point A10 on plan 307656
A12 No.1 Colorcoat line	Regenerative thermal oxidiser (original)	Point A11 on plan 307656
A12a No.1 Colorcoat line	Regenerative thermal oxidiser (replacement)	RTO stack on fig 1.2 of application for variation.
A13 No.1 Colorcoat line	Coater house extraction LEV	Point A13 on plan 307656

A14 No.1 Colorcoat line	Wash tank extraction LEV	Point A14 on plan 307656
A15 No.1 Colorcoat line	Paint Kitchen extraction LEV	Point A15 on plan 307656
A16 No.1 Colorcoat line	Pre clean extraction LEV	Point A16 on plan 307656
A17 No.1 Colorcoat line	Chromate scrubber	Point A17 on plan 307656
A21 No.2 Colorcoat line	Thermal oxidiser unit	Point A21 on plan 307656
A22 No.2 Colorcoat line	Paint kitchen extraction LEV	Point A22 on plan 307656
A23 No.2 Colorcoat line	Pre clean extraction LEV	Point A23 on plan 307656
A24 No.2 Colorcoat line	Chromate scrubber	Point A24 on plan 307656
A31 No.5 Galvanising line	Direct fired heater stack (waste heat boiler not used)	Point A31 on plan 307656
A32 No.5 Galvanising line	Direct fired heater stack (including waste heat boiler)	Point A32 on plan 307656
A33 No.5 Galvanising line	Radiant tube furnace stack	Point A33 on plan 307656
A34 No.5 Galvanising line	Chromate extraction	Point A34 on plan 307656
A35 No.6 Galvanising line	Direct fired heater and radiant tube furnace stack	Point A35 on plan 307656
A36 No.6 Galvanising line	Chromate extraction	Point A36 on plan 307656
A41 Effluent plant	Lime slaker vents	Point A41 on plan 307656

4. Condition 2.2.1.3 to be amended to:

2.2.1.3 The limits for emissions to air for the parameters and emission points set out in Table 2.2.2 shall not be exceeded.

Table 2.2.2: Emission limits to air and monitoring				
Emission point reference	Parameter	Limit (including reference period) ^{note 1}	Monitoring frequency	Monitoring method
A1 to A10	Oxides of Nitrogen (as NO ₂)	300mg/m ³ ^{note 2}	Annual ^{note 4}	to be agreed with the Environment Agency
A1 to A10	Oxides of Nitrogen (as NO ₂)	450mg/m ³ ^{note 3}	Annual ^{note 4}	to be agreed with the Environment Agency
A1 to A10	Particulates	50mg/m ³ ^{note 3}	Annual ^{note 4}	to be agreed with the Environment Agency
A12 ^[note 6] , A12a and A21	Oxides of Nitrogen (as NO ₂)	100mg/m ³	Annual	to be agreed with the Environment Agency
A12 ^[note 6] , A12a and A21	Carbon monoxide	100mg/m ³ ^{note 5}	Continuous	to be agreed with the Environment Agency
A12 ^[note 6] , A12a and A21	Volatile Organic Carbon (as C)	50mg/m ³	Annual	to be agreed with the Environment Agency
A21	Isocyanates as NCO	0.1mg/m ³	Annual	to be agreed with the Environment Agency

Note 1: See Section 6 for reference conditions

Note 2: Limit under gas firing conditions

Note 3: Limit under oil firing conditions

Note 4: Monitoring only to be undertaken if period of operation exceeds 30 days in any year.

Note 5: Limit based on 24-hour average of 15 minute values.

Note 6: A12 to be removed from condition on confirmation of decommissioning of redundant thermal oxidiser.

5. Schedule 2 to be amended
See attached Schedule 2.

6. Schedule 3 to be amended
See attached Schedule 3.

Schedule 3 – conditions to be added

7. None.

Schedule 2 – Reporting of monitoring data

Parameters, for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit are listed below.

Table S2: Reporting of monitoring data				
Parameter	Emission point	Reporting period	Period Begins	Notes
Sulphur dioxide (kg)	A1 to A10	Annually	17/03/04	See note 1
Oxides of Nitrogen (as NO ₂) (mg/m ³)	A1 to A10	Annually	17/03/04	See note 2
Carbon monoxide (mg/m ³)	A1 to A10	Annually	17/03/04	See note 2
Oxides of Nitrogen (as NO ₂) (mg/m ³)	A1 to A10	Annually	17/03/04	See note 3
Particulates (mg/m ³)	A1 to A10	Annually	17/03/04	See note 3
Carbon monoxide (mg/m ³)	A1 to A10	Annually	17/03/04	See note 3
Oxides of Nitrogen (as NO ₂) (mg/m ³)	A 12 ^[note 4] , A12a, A21, A31, A32, A33 & A35	Annually	17/03/04	
Carbon monoxide (mg/m ³)	A12 ^[note 4] , A12a & A21	Annually	17/03/04	
VOCs (as Carbon) (mg/m ³)	A12 ^[note 4] , A12a, A13 to A15, A21 & A22	Annually	17/03/04	
Isocyanates as NCO (mg/m ³)	A21	Annually	17/03/04	
Flow (m ³ /day)	W1	Every 3 months	01/04/04	Mean & max
Chemical oxygen demand (mg/l)	W1	Every 3 months	01/04/04	Mean & max
Suspended solids (mg/l)	W1	Every 3 months	01/04/04	Mean & max
pH	W1 & Effluent plant	Every 3 months	01/04/04	Min & max
Iron (mg/l)	W1 & Effluent plant	Every 3 months	01/04/04	Mean & max
Chromium (mg/l)	W1 & Effluent plant	Every 3 months	01/04/04	Mean & max
Mercury (mg/l)	W1 & Effluent plant	Every 3 months	01/04/04	
Nickel (mg/l)	W1 & Effluent plant	Every 3 months	01/04/04	Mean & max
Zinc (mg/l)	W1 & Effluent plant	Every 3 months	01/04/04	Mean & max
Ammoniacal Nitrogen (mg/l)	W1 & Effluent plant	Every 3 months	01/04/04	Mean & max
Water usage		Annually	17/03/04	
Energy usage		Annually	17/03/04	
Waste disposal and/or recovery		Annually	17/03/04	

Note 1 – calculation from sulphur content of fuel oil and fuel oil consumption.

Note 2 – for gas firing conditions

Note 3 – for oil firing conditions if period of operation exceeds 30 days in any year.

Note 4 - A12 to be removed from condition on confirmation of decommissioning of redundant thermal oxidiser.

Schedule 3 – Forms to be used

Table S3 Forms to be used		
Air	A3	
Water (excluding sewer)	W1	
Energy	E1	
Performance indicators	PI1	
Waste Return	R1	
Water usage	WU1	

