



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control Regulations 2000

**Trostre Tinplate Works
Corus Packaging Plus
Trostre
Llanelli
Carmarthenshire
SA14 9SD**

Variation Notice number

CP3433LF

Permit number

BX9471IU

Introductory note

This introductory note does not form a part of the Variation Notice.

The following Notice is issued under Regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a Permit issued under the Regulations to operate an installation.

The Notice comprises Schedule 1 containing conditions to be deleted, Schedule 2 conditions to be amended and Schedule 3 conditions to be added. The Notice is subject to the express conditions set out in Schedules 1 to 3.

The Permit, as amended by this Variation Notice, contains conditions which have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Brief description of process

The main purpose of the activity at the installation is the surface treatment of metals. The activity qualifies as a listed activity under Section 2.3 Part A(1) (a) in Part 1 to Schedule 1 of the Pollution Prevention and Control (England and Wales) Regulations 2000.

The Trostre Site is run within the Corus Packaging Plus business unit, providing cold rolled and coated steel to various customers. The main works area of the site covers approximately 80 hectares, and is located on a wide, flat coastal plain. The raw material for the Trostre works consists of rolled steel coils, transported from other Corus sites. Coils are received by rail or by road into the Pickle line receipt bay. They enter the receipt bay on a railway locomotive, and are offloaded by crane, before being relocated to a specific area for storage prior to scheduling. When scheduled for pickling, coil is transported by crane to the entry end of the pickle line. The purpose of the pickling process is to remove all scale from the coil using sulphuric acid, and prepare it for further processing at the cold reduction mill. The process is continuous, and coil size is optimised to maximise efficiency at the five stand cold reduction mill (CRM). The purpose of the five stand CRM is to reduce the thickness of the coil to a given size. The unit is made up of five roll stands, each with a pair of work rolls and back-up rolls. Final gauge of material leaving the five stand CRM is between 0.12 and 0.6mm.

After cold reduction, lubricant from the CRM process is removed using an electrolytic cleaning method, using caustic solution. Following cleaning, the single reduced coil is then sent for batch or continuous annealing, depending on the product being made. After annealing, the material is temper rolled to give customer required surface finish and mechanical properties. The installation also processes double-reduced coil, which is sent through the double reduction mill [DRM]. The DRM is a three-stand reduction mill, with a similar configuration to the temper mill. The major volume product of the works is tinplate. There are two tin coating lines at Trostre, using thin rolled coil produced elsewhere within the works. The tinplating process involves cleaning, pickling, and electrolytic deposition of tin to the required coating weight. The installation also produces electrolytically chrome-coated steel, a substitute for tinplate in some applications. The process operates on the same principle as tinplate, except that the coating electrolyte contains chromic acid – this product is manufactured on a dedicated line at Trostre. Effluent arising at the installation is treated at a designated effluent treatment plant, owned by the Operator, but operated under contract by Veolia Water Ltd. A discharge from this ETP is made to the Loughor estuary via a dedicated effluent discharge point. The installation also contains waste handling, recovery and disposal operations. Electricity is provided via the national grid, whereas heat to drive the process is provided by a dedicated boiler house

Brief description of the changes introduced by this variation notice.

1. This variation notice introduces a change to the NO₂ emission limits from release point A6 and A7:

Changing the NO₂ emission limit from 275mg/m³ to 350mg/m³.

2. Changing the reporting requirements on Schedule 2 for Emission Point W1 to monthly for the following parameters:

Suspended solids

Oil and grease

Total phenols

Dissolved iron

Total chromium

3. Change of date on Improvement Condition IC2 to 31st December 2011.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
Veolia Water Industrial Outsourcing Limited	JP3439SZ	22/06/05
Shorts Bros Ltd (Trading as Brambles Industrial Services)	BT6365IQ	16/07/03

Superseded Licenses/Consents/Authorisations relating to this installation

Holder	Reference Number	Date of Issue
Corus Packaging - Water Quality Consent	BE0038201	31/07/19785
Corus Packaging - Section 1.3(A) [Aggregated combustion over 50 MWTh] of Schedule 1 to SI 472:1991	AF7789/BQ3380	AF7789 - 1/12/92 BQ3380 - 11/02/02

Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1 of the Permit.

Confidentiality

The Permit/Variation requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of the Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

Status Log

Detail	Date	Response Date
Application BX9471IU	Received 29/07/04	Duly Made 29/07/04
Response to request for information – Submission of amended Application Site Report	Sent 22/10/04	Submission received 28/01/05
Response to request for information – submission of site plans	Sent 16/02/05	Submission received 17/2/05
Permit determined	24/03/05	-
Variation Application – Change of NO _x emission limit on CAL an CAPL. CP3433LF	12/10/05	Duly Made 12/10/05
Variation CP3433LF determined	3/4/06	

End of introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000



**ENVIRONMENT
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Variation Notice

Permit number (The Permit)
BX9471IU

Variation Notice number
CP3433LF

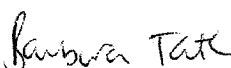
The Environment Agency in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I. 2000 No. 1973) (as amended), hereby varies the Permit issued on 18th January 2002 and held by you.
Corus UK Ltd ("the Operator"),

Of/ whose Registered Office is
Corus UK Ltd
30 Millbank
London
SW1P 4WY

Company registration number **2280000** which relates to the operation of Installation at
Corus Packaging Plus
Trostre Works
Trostre
Llanelli
Carmarthenshire
SA14 9SD

to the extent set out in Schedules 1 to 3 of this Variation Notice.

This Notice shall take effect from 4th April 2006 at 12:00hrs

Signed	Date
	3 rd April 2006

Barbara Tate

Authorised to sign on behalf of the Agency

SCHEDULE 2 - CONDITIONS TO BE AMENDED

1. Condition 2.2.1.3 shall be amended to -

The limits for emissions to air for the parameter(s) and emission point(s) 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) ^[1]	Monitoring frequency	Monitoring method
A6	Oxides of nitrogen as NO ₂	350 mg/m ³ as an hourly average	Quarterly	ISO 10849
A7	Oxides of nitrogen as NO ₂	350 mg/m ³ as an hourly average	Quarterly	ISO 10849
A16	Sulphur dioxide [Quarterly average] ^[2]	1250 mg/m ³ as an hourly average	Quarterly	ISO 7935:1992
	Sulphur dioxide [Maximum] ^[2]	1700 mg/m ³ as an hourly average	Quarterly	ISO 7935:1992
	Oxides of nitrogen ^[3] as NO ₂	450 mg/m ³ as an hourly average	Quarterly	ISO 10849
	Particulates	100 mg/m ³ as an hourly average	Quarterly	BS EN 13284-1:2002
A17	Sulphur dioxide [Quarterly average] ^[2]	1500 mg/m ³ as an hourly average	Quarterly	ISO 7935:1992
	Sulphur dioxide [Maximum] ^[2]	1700 mg/m ³ as an hourly average	Quarterly	ISO 7935:1992
	Oxides of nitrogen ^[3] as NO ₂	450 mg/m ³ as an hourly average	Quarterly	ISO 10849
	Particulates	100 mg/m ³ as an hourly average	Quarterly	BS EN 13284-1:2002

Note 1: See Section 6 for reference conditions

Note 2: refers to limits for firing on heavy fuel oil only

Note 3: refers to limits for firing on natural gas only

2. Schedule 2 of the permit shall be amended to:

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	Method
Sulphur dioxide, mg m ⁻³	A16, A17	Quarterly	01/04/2005	ISO 7935:1992 ¹
Oxides of nitrogen, mg m ⁻³	A6, A7, A16, A17	Quarterly	01/04/2005	ISO 10849 ¹
Particulates, mg m ⁻³	A16, A17	Quarterly	01/04/2005	BS EN 13284-1:2002 ¹
Flow, litres/second [daily average of continuous measurement]	W1	Monthly	01/04/2005	To commence on completion of IC11
pH, units [daily spot measurements]	W1	Monthly	01/04/2005	BS6068-2.50:1995, ISO 10523:1984
Temperature, °C [daily average of continuous measurement]	W1	Monthly	01/04/2005	None specified
Suspended solids, mg l ⁻¹	W1	Monthly	01/04/2005	BS EN 872:1996, BS 6068-2.54:1996 ²
Oil and grease, mg l ⁻¹	W1	Monthly	01/04/2005	SCA Blue Book 77. ISBN 0117517283 ²
Total phenols, mg l ⁻¹	W1	Monthly	01/04/2005	SCA Blue Book 50. ISBN 0117516171 ²
Dissolved iron, mg l ⁻¹	W1	Monthly	01/04/2005	BS ISO 17294-2:2003 BS6068-2.89:2003 ²
Total chromium, mg l ⁻¹	W1	Monthly	01/04/2005	BS ISO 17294-2:2003 BS6068-2.89:2003 ²
Mercury, mg l ⁻¹	W1	Annual	01/04/2005	Compliance based on mass balance calculation (see condition 6.1.1)
Cadmium, mg l ⁻¹	W1	Annual	01/04/2005	Compliance based on mass balance calculation (see condition 6.1.1)
Waste disposal and/or recovery, tonnes.	Installation	Quarterly	01/04/2005	By estimation
Water usage, m ³	Installation	Quarterly	01/04/2005	By estimation
Energy usage, MW	Installation	Quarterly	01/04/2005	By estimation

Note 1: Access points for sampling may be fixed rather than permanent if they comply with the requirements of Agency Technical Guidance Note M1.

Note 2: The stated methods will apply from 01/01/06. Prior to this time, existing methods [as used previously to monitor these parameters under Authorisation Ref: AF7789/BQ3380] will be used. Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

3. The completion date for IC2 in Table 1.4.1: Improvement Programme will be amended to the following:

Table 1.4.1: Improvement programme

IC2	Undertake an assessment into the feasibility of substituting the chromium VI electrolyte within the Electrolytic Chromium Coated Steel Line [Line 4] for a less toxic alternative. If this is not possible due to the nature of the process, undertake an assessment into the reduction in usage of this electrolyte via the use of porous pot methods. Provide a written report to the Agency on this assessment, to include a timetable for undertaking any recommendations necessary to meet BAT.	31/12/11
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