

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Mil-Ver Metal Company Limited
Coventry Non-Ferrous Metal Works
Coronel Avenue
Rowleys Green Industrial Estate
Coventry
West Midlands
CV6 6AP

Variation application number

EPR/BL4478IN/V014

Permit number

EPR/BL4478IN

Coventry Non-Ferrous Metal Works

Permit number EPR/BL4478IN

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This variation permits:

- the addition of equipment for the manufacture of copper, brass and gun metal alloys from secondary materials into ingot and cast shape form. The equipment is transferred from another site, owned by the parent company and consists of the following:
 - two induction furnace bodies each with 2 tonne capacity for the melting of recycled or primary copper, brass or gunmetal into alloys at a rate of 1.5 tonnes per hour;
 - 2 tonne capacity induction furnace body for the melting of recycled or primary copper to manufacture copper based master alloys and other alloys;
 - bag filtration unit for abatement from the melting and pouring operations;
 - shot blaster for use in the post processing of master alloy ingot;
 - atomic absorption spectrograph; and
 - X-ray fluorescence spectrometer.
- the installation of a new 5 tonne rotating furnace with a capacity of 1 tonne per hour;
- addition of activity A3 to table S1.1 for the new copper, brass and gun metal process;
- addition of activity A8, a DAA for storage and handling of raw materials;
- addition of table S2.2 showing the list of wastes permitted as a feedstock;
- addition of table S2.3 showing the list of waste permitted for acceptance for storage and onward trading only (not for use in activities A1 to A3);
- addition to table S3.1 of phosphorus, copper, zinc, lead, cadmium, arsenic and nickel;
- addition of improvement condition 2;
- amendments to the status log to correct some incorrect dates; and
- removal of emission points A5 and A6 for the dross press vents as they vent through emission point A1f.

The exhausts from the existing and new furnaces are discharged through a single stack after filtration.

The rest of the installation is unchanged and continues to be operated as follows:

Mil-Ver Metal Company is an Aluminium Ingot Producer. Primary and scrap aluminium in various forms are purchased, processed, stored and then re-melted on site.

Alloying elements are added in order to achieve customers' alloy specifications. These are cast into ingots, sows, or other cast shapes as required. The installation is split across several sites which are principally used for raw material storage, raw material processing, foundry operations, finished product storage and associated activities. Feedstocks are delivered by road and processed according to the material type received or furnace being used. After processing, feedstocks are once again placed into storage awaiting use in the foundry or resale.

The metal is charged into either a rotary furnace, an electromagnetic pump, holding furnace or electric induction furnace depending on production demand and feedstock type/suitability. Material is melted, refined and modified to achieve the required specification. When melting is complete, dross and contaminants are removed by skimming into bins. The dross is pressed in a dross press to remove reusable aluminium and

produce a dry skull suitable for re-use or recovery. Alloy is discharged under gravity through launders to a water cooled casting track or other moulds/forms as required.

Releases to sewer – site surface water and process effluent discharge to sewer under consents to discharge from Severn Trent Water Limited.

There are no releases to surface water courses, groundwater or land.

The schedules specify the changes made to the 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		
Description	Date	Comments
Application BL4478	Received 14/12/01	Application for bespoke permit.
Response to schedule 4 information notice.	30/05/02	Request dated 28/01/02.
Response to second schedule 4 information notice.	30/05/02	Request dated 20/03/02.
Additional response to schedule 4 information notice.	02/07/02	Response to questions 6, 11, 21, 22, 28, 34, 35, 41 & 42 in fax dated 20/06/02.
Response to third schedule 4 information notice.	01/10/02	Response to question 47 of request dated 17/07/02.
Supplementary information received regarding proposed abatement plant.	12/12/02	
Response to fourth schedule 4 information notice	21/03/03	Response to questions 48 to 62 of request dated 31/01/03.
Supplementary information regarding installation of Shredder	06/06/03	
Permit determined BL4478	11/06/03	
Application BX3724 (variation)	Received 30/01/04	
Response to Schedule 7 Information Notice	22/03/04	Request dated 27/02/04
Response to Schedule 7 Information Notice	27/04/04	Request dated 26/03/04
Variation determined BX3724	01/06/04	Installation of new furnaces at site 7.
Application VP3933BX (variation)	27/07/04	
Variation determined VP3933BX	25/08/04	Installation of new abatement plant and swarf centrifuge and oil separator.
Application TP3130LV (variation)	Received 11/11/05	
Supplementary information regarding flue gas volumes and origin of furnace	06/12/05	
Supplementary information received regarding installation of stand-by gas oil facilities for use on site 7 furnaces	11/01/06	
Variation determined TP3130LV	13/03/06	Installation of new furnace and additional facilities to burn gas oil as an option to natural gas.
Application BP3537XK (variation)	16/05/08	
Variation determined BP3537XK	01/06/08	Additional improvement condition and alterations to monitoring requirements.
Application HP3633GE (variation)	30/06/08	
Variation determined HP3633GE	27/01/09	Operation of a new super chopper for pre-treating aluminium raw material.
Application EPR/BL4478IN/V007	01/04/09	

Status log of the permit		
Description	Date	Comments
(variation)		
Variation determined EPR/BL4478IN/V007	17/04/09	Extension to Improvement Condition deadline.
Application EPR/BL4478IN/V008		Withdrawn
Application EPR/BL4478IN/V009		Withdrawn
Application EPR/BL4478IN/V010		Withdrawn
Application EPR/BL4478IN/V011 (Variation)	Received 23/05/11	Operational changes and request for consolidation.
Variation determined EPR/BL4478IN/V011	19/08/11	
Application EPR/BL4478IV/V012 (variation)	Duly made 17/09/12	Application to vary permit to include sites 7A and 7B.
Variation determined EPR/BL4478IN/V012	04/10/12	Varied permit issued.
Application EPR/BL4478IV/V013 (variation)	Duly made 27/01/14	Oxy fuel burner, LEV, furnace doors and filter system.
Additional information received	21/02/14	
Variation determined EPR/BL4478IV/V013	26/02/14	Varied and consolidated permit issued.
Application EPR/BL4478IN/V014 (variation and consolidation)	Duly made 26/05/15	Application to vary and update the permit to modern conditions.
Additional information received	29/05/15	Email explaining activities.
Additional information received	01/06/15	Air Quality Assessment modelling files.
Additional information received	03/06/15	Confirmation of site boundary.
Additional information received	04/06/15	Response to Schedule 5 Notice dated 03/06/15
Additional information received	22/06/15	Response to Schedule 5 Notice dated 03/06/15 – Air Quality Assessment version 3
Additional information received	24/06/15	Response to Schedule 5 Notice dated 03/06/15 - revised H1 assessment
Additional information received	29/06/15	Air Quality Assessment version 3 modelling files
Additional information received	02/07/15	Information regarding hazardous waste
Additional information received	03/07/15	Clarifications for Schedule 5 Notice dated 03/06/15 – emission points
Additional information received	03/07/15	Clarifications for Schedule 5 Notice dated 03/06/15 – Q1 and Q2
Additional information received	06/07/15	Clarifications
Additional information received	07/07/15	Clarification about improvement condition
Additional information received	09/07/15	Response to Schedule 5 Notice dated 03/06/15 - revised H1 for emissions to sewer
Additional information received	10/07/15	Response to Schedule 5 Notice dated 03/06/15 - explanation of revised H1
Additional information received	13/07/15	Response to Schedule 5 Notice dated 03/06/15 – revised H1 for emissions to sewer. Two versions; one using actual data for the annual average concentration and one using maximum permitted level as the annual average concentration.
Additional information received	15/07/15	Explanation of odour sources.

Status log of the permit		
Description	Date	Comments
Additional information received	15/07/15	Bag filter specification
Additional information received	20/07/15	Revised H1 for emissions to sewer and copy of Severn Trent Water discharge consents.
Additional information received	27/07/15	Report for the periodic monitoring of emissions to air from Mil-Ver Metals, Coventry
Additional information received	10/08/15	Response to Schedule 5 Notice dated 30/07/15 – Air Quality Assessment version 4 and modelling files.
Additional information received	20/08/15 & 25/08/15	Three emails of clarifications relating to listed activity descriptions, IC deadline, list of wastes and monitoring standards.
Additional information received	26/08/15	Sketches of the components of the foundry.
Additional information received	04/09/15	Email confirming removal of emission points A5 and A6.
Variation determined EPR/BL4478IN/V014	15/09/15	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/BL4478IN

Issued to

Mil-Ver Metal Company Limited (“the operator”)

whose registered office is

**Coronel Avenue
Rowleys Green Industrial Estate
Coventry
West Midlands
CV6 6AP**

company registration number 01634739

to operate a regulated facility at

**Coventry Non-Ferrous Metal Works
Coronel Avenue
Rowleys Green Industrial Estate
Coventry
West Midlands
CV6 6AP**

to the extent set out in the schedules.

The notice shall take effect from 15/09/2015

Name	Date
Claire Roberts	15/09/2015

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/BL4478IN

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BL4478IN/V014 authorising,

Mil-Ver Metal Company Limited ("the operator"),

whose registered office is

**Coronel Avenue
Rowleys Green Industrial Estate
Coventry
West Midlands
CV6 6AP**

company registration number 01634739

to operate an installation at

**Coventry Non-Ferrous Metal Works
Coronel Avenue
Rowleys Green Industrial Estate
Coventry
West Midlands
CV6 6AP**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Claire Roberts	15/09/2015

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table S2.2 and S2.3; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

Hazardous waste storage and treatment

2.3.5 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4.3 During the 24 hour, 7 day operation of the Super Chopper all doors to the building shall be kept closed (excepting pedestrian access and egress) between the hours of 22:00 and 07:00.

3.4.4 During the 24 hour, 7 day operation of the Super Chopper there shall be no movement of metal raw materials or products outside the building between the hours of 22:00 and 07:00.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

(a) point source emissions specified in tables S3.1 and S3.2;

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) off-site environmental effects; and

(ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data; and
 - (b) the performance parameters set out in schedule 4 table S4.2 using the forms specified in table S4.3 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.3; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (c) any change in the operator's name or address; and
- (d) any steps taken with a view to the dissolution of the operator.

In any other case:

- (e) the death of any of the named operators (where the operator consists of more than one named individual);
- (f) any change in the operator's name(s) or address(es); and
- (g) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity and waste types
A1	S2.2 A(1)(b)	Melting non-ferrous metals from secondary raw materials and recovered products (melting dross in the Tilting Rotary Furnace) – Aluminium.	From receipt of furnace charge to production of ingots. Storage of finished products in designated areas including Site 7B. Permitted waste types as specified in table S2.2.
A2	S2.2 A(1)(b)	Melting non-ferrous metals (melting relatively clean scrap and ingot in a variety of furnaces) – Aluminium.	From receipt of furnace charge to production of ingots. Storage of finished products in designated areas including Site 7B. Permitted waste types as specified in table S2.2.
A3	S2.2 A(1)(b)	Melting non-ferrous metals from secondary raw materials in a variety of furnaces – copper, brass and gun metal.	From receipt of furnace charge to production of ingots. Storage of finished products in designated areas including Site 7B. Permitted waste types as specified in table S2.2.
Directly Associated Activity			
A4	Storage and handling of raw materials.		Receipt of raw materials to transfer to furnaces.
A5	Off gas collection, abatement and discharge systems.		From furnaces to exit point from stack.
A6	Storage and handling of solid wastes.		From separation of wastes to export from installation.
A7	Water discharges to foul sewer.		From interceptors to point of entry to sewer.
A8	Storage and handling of raw materials including sorting, baling and pre-treatment.		Receipt of raw materials to transfer to furnaces.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.3 given in section 2.3 of the application.	14/12/01
Response to Schedule 4 Part 1 Notice	Response to questions 12 to 24 inclusive and 43 to 45 inclusive.	30/05/02
Additional response to Schedule 4 Part 1 Notice	Additional response to questions 21 and 22 inclusive.	02/07/02
Response to fourth Schedule 4 Part 1 Notice	Further additional response to questions 49 to 54 inclusive.	21/03/03
Supplementary information	Letter re installation of Shredder.	06/06/03
Variation application	The response to question c2.1 and c2.2 given in the application.	30/01/04
Response to Schedule 7	Response to questions 4 to 11 inclusive.	22/03/04

Table S1.2 Operating techniques		
Description	Parts	Date Received
notice		
Second variation application	The response to question c2.1 and c2.2 given in the application.	27/07/04
Supplementary information	E mailed information regarding waste oil storage etc.	17/08/04
Third variation application	The response to question c2.1 and c2.2 given in the application.	11/11/05
Supplementary information	E mailed information regarding origin of furnace and air volumes and filter capacity.	06/12/05
Supplementary information	E mailed information regarding the installation of storage tanks, oil burners and infrastructure to facilitate the operation of site 7 furnaces with gas oil.	11/01/06
Variation HP3633GE	Section 2.3 of the application.	30/06/08
Variation application	Documents C2/001, C2/002, C2/003, C3/001 and C3/002 given in the application.	23/05/11
Variation application EPR/BL4478IN/V013	Documents 03, 04 and 05.	27/01/14
Additional information for application EPR/BL4478IN/V013	Information on oxygen storage and use.	21/02/14
Application EPR/BL4478IN/V014	Response to application form part C3, question 3	16/04/15
Response to Schedule 5 Notice dated 03/06/15	Email – response to point 9 relating to emissions to air	04/06/15
Additional information	Email – response to point 1 relating to discharge point to sewer.	03/07/15
Additional information	Emission point plan	03/07/15
Additional information	Bag filter specification	15/07/15

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	After installation of the new reagent feed abatement system, the Operator shall carry out monitoring from emission point A1f for the parameters specified in table S3.1. The Operator shall submit a report of the monitoring results to the Environment Agency	6 months after installation of a new reagent abatement system.
IC2	The Operator shall undertake an assessment of the impact of emissions to sewer of cadmium, copper, lead, nickel and zinc from emission point S1. A report on the assessment shall be submitted to the Environment Agency for approval. Emissions monitoring data obtained during the first six months of operation of the new discharge (a minimum of 12 samples) shall be used together with measured effluent flows to evaluate the impact of emissions using the Environment Agency H1 screening tool, to compare actual emissions with those assumed in the impact assessment submitted with the variation application. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report.	7 months after commissioning of activity A3 as listed in table S1.1.

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
-	-

Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 10	waste metal
08	Wastes from the manufacture, formulation, supply and use (mfsu) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
08 03	wastes from MFSU of printing inks
08 03 99	wastes not otherwise specified - aluminium lithography sheet from use in the printing industry
10	Wastes from thermal processes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 09*	black drosses from secondary production
10 03 15*	skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 03 99	wastes not otherwise specified - reject ingot, sows, foundry returns, flashings, castings, runners, filter scrap and new production castings or products (aluminium, copper, brass, bronze, zinc, lead or tin)
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 06	wastes from copper thermal metallurgy
10 06 02	dross and skimmings from primary and secondary copper production
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 99	wastes not otherwise specified - reject ingot, sows, foundry returns, flashings, castings, runners, filter scrap and new production castings or products (aluminium, copper, brass, bronze, zinc, lead or tin)
11	Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)

Table S2.2 Permitted waste types and quantities for use in the production and melting of non-ferrous metals (activity references A1, A2 and A3).	
Waste code	Description
11 01 99	wastes not otherwise specified - spent anodes from metal coating and galvanising processes (aluminium, copper or zinc)
11 05	wastes from hot galvanising processes
11 05 04*	spent flux
11 05 99	wastes not otherwise specified - spent anodes from metal coating and galvanising processes (aluminium, copper or zinc)
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 10*	explosive components (for example air bags)
16 01 16	tanks for liquefied gas
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 22	components not otherwise specified
16 02	wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin

Table S2.2 Permitted waste types and quantities for use in the production and melting of non-ferrous metals (activity references A1, A2 and A3).	
Waste code	Description
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 10	wastes from shredding of metal-containing wastes
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal
19 12 03	non-ferrous metal
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 40	metals

Table S2.3 Permitted waste types for storage prior to trading on or disposal (not permitted for use in activities A1, A2 and A3).	
Waste code	Description
10	Wastes from thermal processes
10 03	wastes from aluminium thermal metallurgy
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 18	Metal sludge (grinding, honing and lapping sludge) containing oil
16	Wastes not otherwise specified in the list
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 01 99	wastes not otherwise specified – other vehicle parts such as catalytic converters
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)

**Table S2.3 Permitted waste types for storage prior to trading on or disposal
(not permitted for use in activities A1, A2 and A3).**

Waste code	Description
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1f	Particulate	Main 25 metre stack	10 mg/m ³ (daily) 5 mg/m ³ (monthly)	Minimum 4 hour sampling period	Continuous and once a year	BS EN 132841-1
A1f	Oxides of Nitrogen (as NO ₂)	Main 25 metre stack	100 mg/m ³	Minimum 4 hour sampling period	Once a year	BS EN 14792
A1f	Sulphur dioxide	Main 25 metre stack	50 mg/m ³	Minimum 2 hour sampling period	Once a year	BS EN 14791
A1f	Hydrogen chloride	Main 25 metre stack	10 mg/m ³	Minimum 2 hour sampling period	Twice a year	BS EN 1911-1
A1f	Carbon monoxide	Main 25 metre stack	150 mg/m ³	Minimum 2 hour sampling period	Once a year	BS EN 15058
A1f	Volatile organic compounds (as C)	Main 25 metre stack	50 mg/m ³	Minimum 4 hour sampling period	Once a year	BS EN 12619
A1f	Dioxins (as ITEQ)	Main 25 metre stack	0.1 ng/m ³	Minimum 6 hour sampling period	Once a year	BS EN 1948
A1f	Fluorides (as HF)	Main 25 metre stack	1 mg/m ³	Minimum 2 hour sampling period	Twice a year	BS EN 15713
A1f	Phosphorus (as P ₂ O ₅)	Main 25 metre stack	1.5 mg/m ³	Minimum 2 hour sampling period	Twice a year	BS EN 14385
A1f	Copper and its compounds (as metal)	Main 25 metre stack	2 mg/m ³	Minimum 2 hour sampling period	Twice a year	BS EN 14385
A1f	Zinc and its compounds (as metal)	Main 25 metre stack	40 mg/m ³	Minimum 2 hour sampling period	Twice a year	BS EN 14385
A1f	Lead and its compounds (as metal)	Main 25 metre stack	0.4 mg/m ³	Minimum 2 hour sampling period	Twice a year	BS EN 14385
A1f	Cadmium, arsenic, nickel and	Main 25 metre stack	0.01 mg/m ³	Minimum 2 hour sampling	Twice a year	BS EN 14385

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
	their compounds taken together (as elements)			period		

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 (to Severn Trent Water Limited sewer)	Drainage from Site 1	COD Suspended solids pH	No limits set	-	-	-
S2 (to Severn Trent Water Limited sewer)	Drainage from Site 2	COD Suspended solids pH	No limits set	-	-	-
S3 (to Severn Trent Water Limited sewer)	Drainage from Site 5 (Severn Trent Water Limited sewer)	COD Suspended solids pH	No limits set	-	-	-
S4 (to Severn Trent Water Limited sewer)	Drainage from Site 7 (Severn Trent Water Limited sewer)	COD Suspended solids pH	No limits set	-	-	-

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	A1f	Every 12 months	1 January

Table S4.2 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh

Table S4.3 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	15/09/15
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	15/09/15
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	15/09/15

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“disposal” means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

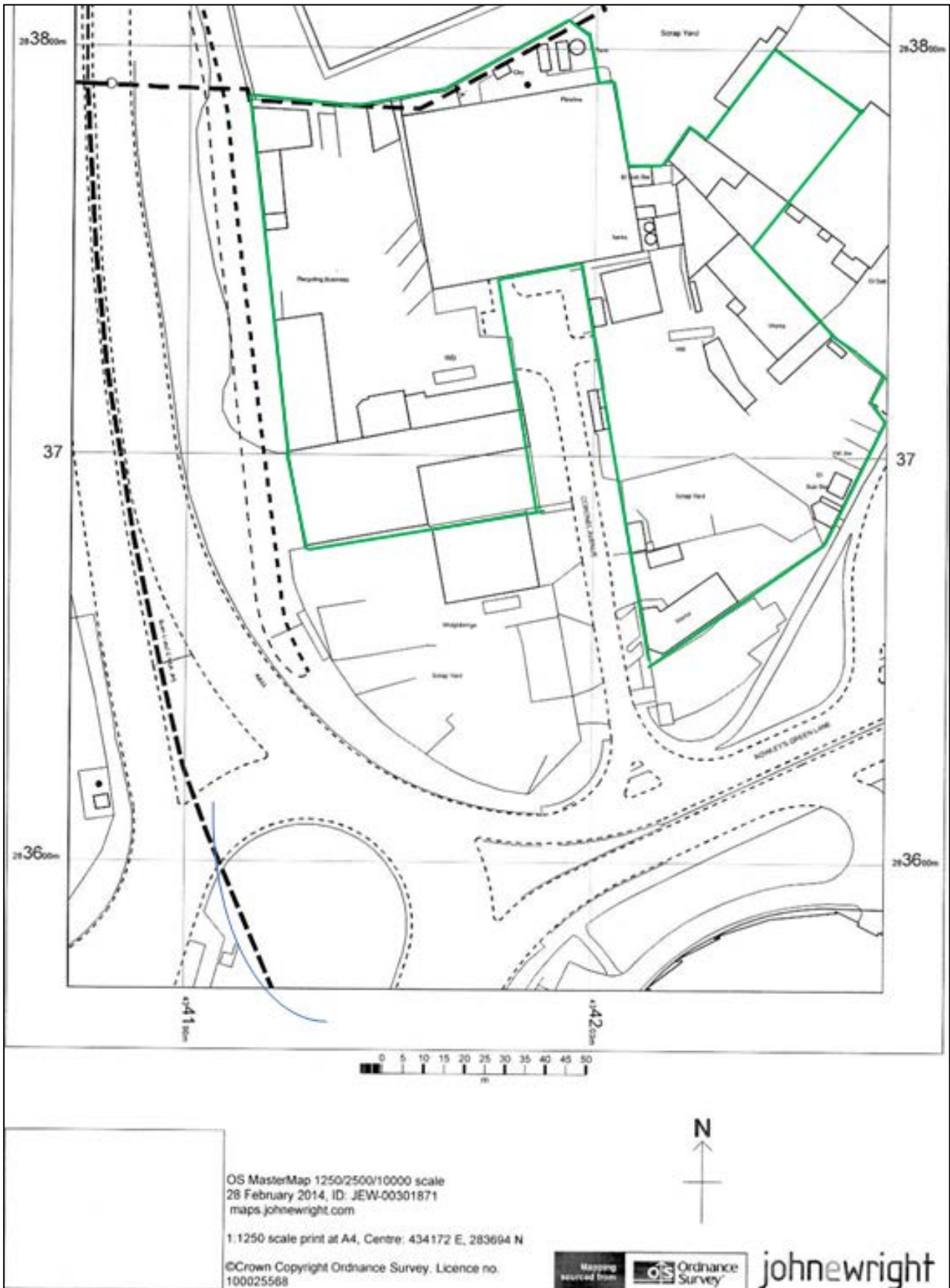
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT

Permit Number: **EPR/BL4478IN** **Operator:** **Mil-Ver Metal Company Limited**

Facility: **Coventry Non-Ferrous Metal Works** **Form Number:** **Air1 / 15/09/15**

Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1f	Particulate	10 mg/m ³ (daily) 5 mg/m ³ (monthly)	Minimum 4 hour sampling period		BS EN 132841-1		
A1f	Oxides of Nitrogen (as NO ₂)	100 mg/m ³	Minimum 4 hour sampling period		BS EN 14792		
A1f	Sulphur dioxide	50 mg/m ³	Minimum 2 hour sampling period		BS EN 14791		
A1f	Hydrogen chloride	10 mg/m ³	Minimum 2 hour sampling period		BS EN 1911-1		
A1f	Carbon monoxide	150 mg/m ³	Minimum 2 hour sampling period		BS EN 15058		
A1f	Volatile organic compounds (as C)	50 mg/m ³	Minimum 4 hour sampling period		BS EN 12619		
A1f	Dioxins (as ITEQ)	0.1 ng/m ³	Minimum 6 hour sampling period		BS EN 1948		
A1f	Fluorides (as HF)	1 mg/m ³	Minimum 2 hour sampling period		BS EN 15713		
A1f	Phosphorus (as P ₂ O ₅)	1.5 mg/m ³	Minimum 2 hour sampling period		BS EN 14385		
A1f	Copper and its compounds (as	2 mg/m ³	Minimum 2 hour sampling period		BS EN 14385		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	metal)						
A1f	Zinc and its compounds (as metal)	40 mg/m ³	Minimum 2 hour sampling period		BS EN 14385		
A1f	Lead and its compounds (as metal)	0.4 mg/m ³	Minimum 2 hour sampling period		BS EN 14385		
A1f	Cadmium, arsenic, nickel and their compounds taken together (as elements)	0.01 mg/m ³	Minimum 2 hour sampling period		BS EN 14385		

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 Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example 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 uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: **EPR/BL4478IN** **Operator:** **Mil-Ver Metal Company Limited**

Facility: **Coventry Non-Ferrous Metal Works** **Form Number:** **WaterUsage1 / 15/09/15**

Reporting of Water Usage for the year YYYY

Water Source	Usage (m³/year)	Specific Usage (m³/unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed
(authorised to sign as representative of Operator)

Date.....

Permit Number: **EPR/BL4478IN** **Operator:** **Mil-Ver Metal Company Limited**
Facility: **Coventry Non-Ferrous Metal Works** **Form Number:** **Energy1 / 15/09/15**

Reporting of Energy Usage for the year YYYY

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)