

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Global Metal Finishers Limited

Global Metal Finishers Blakenhall  
Facility  
Unit 1-5 Moorfield Road  
Blakenhall Industrial Estate  
Blakenhall  
Wolverhampton  
WV2 4QT

Permit number

EPR/XP3335KT

# Global Metal Finishers Blakenhall Facility

## Permit Number EPR/XP3335KT

### Introductory note

**This introductory note does not form a part of the permit**

The main features of the facility are as follows.

Global Metal Finishers Ltd provides high quality metal finishing services for a wide cross-section of components. Such services include chrome plating, nickel, gold, silver and brass plating. The principal activities fall under Section 2.3 Part A (1) of the Environmental Permitting (England and Wales) Regulations. The process involves component receipt and inspection, pre-treatment and surface metal treatment. Ancillary operations include storage of raw materials, effluent treatment and solvent vapour degreasing. The site is located at grid reference SO 90930 97210. The site currently operates Monday to Fridays. The site has recently expanded and this has led to the potential for vat volume exceedance of the 30 m3 limit requiring permitting under Section 2.3 Part A(1). The current estimate of vat volume for the scheduled activity is 45 m3. After treatment via the on-site effluent treatment plant the sludge is then removed off-site by a licensed contractor and the trace metals within the post treatment filter cake are recovered. In addition the treated liquid discharges to sewer and is further treated via Severn Trent off site treatment Barnhurst facility. This is a scheduled activity under 5.3 A (1) (a) Disposal of hazardous waste with treatment above the 10 tonnes per day threshold. The site has a consent to discharge in place for this sewer discharge. There are no discharges to surface water drains within the installation.

Air emissions from the installation include discharges from four vat line extractions systems and a polishing line. None of the emissions breach the relevant EPR 2.07 surface metal treatment sector emission limit value benchmarks. With regard to the usage of trichloroethylene the operator during the determination has committed to stop such operations prior to permit determination. Vapour degreasing will continue as a directly associated activity but only as an enclosed operation without discharge to atmosphere.

The installation has an Environmental Management System in place and is moving towards ISO14001 accreditation in 2011.

The operator has been operating surface metal treatment facilities since 1999. It has been accepted that not all indicative BAT measures can realistically be expected to be in place immediately on the permit issue date. Certain improvements, beyond the measures in the application for environmental risk minimisation, have been required before permit determination. These include ensuring all hazardous raw materials and wastes are stored within adequate secondary containment bunding, formalisation of fire prevention and accident management procedures for vat operations plus formalisation of operating procedures for effluent treatment plant. These have been covered via pre-operational conditions.

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

**Status Log of the permit**

<b>Detail</b>	<b>Date</b>	<b>Comments</b>
Application EPR/XP3335KT/A001	Duly made 12/01/10	
Application correction.	13/07/10	Confirmation Mercury not utilised in the installation process
Schedule 5 additional response dated 17/05/10	Response received 30/07/10	
BAT process review additional information	Response received 30/07/10	
Additional information submissions including confirmation of vapour degreasing activities being enclosed and chromium VI usage minimisation steps	Received 10/09/10	
Additional information including updated non-technical summary	Received 13/09/10	
Site plan	Received 13/09/10	
Confirmation of waste disposal activity	Received 28/09/10	
Permit EPR/XP3335KT determined	29/09/10	

End of Introductory Note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

## Permit

Permit number

**EPR/XP3335KT**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

**Global Metal Finishers Limited ("the operator")**

whose registered office is

**Global Metal Finishers Limited**

**Unit 1-5 Moorfield Road**

**Blakenhall**

**Wolverhampton**

**WV2 4QT**

company registration number **03674102**

to operate an installation at

**Global Metal Finishers Limited**

**Unit 1-5 Moorfield Road**

**Blakenhall**

**Wolverhampton**

**WV2 4QT**

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

Name

Date

	29 <sup>th</sup> September 2010
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Authorised on behalf of the Environment Agency

# Generic 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 and closure 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:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every four years whether changes to those measures should be made; and
- (c) 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 (a) 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.
- (b) 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 specified in schedule 1, table S1.2 or otherwise required under this permit, 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.

### **2.4 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.

### **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

## **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.

### **3.2 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;
  - (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 Monitoring**

- 3.3.1 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;
- 3.3.2 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.
- 3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.3.4 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.



### **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.

### **3.5 Odour**

- 3.5.1 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.
- 3.5.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside
  - (b) the site due to odour, submit to the Environment Agency for approval within the period
  - (c) specified, an odour management plan;

## 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:
    - (e) off-site environmental effects; and
    - (f) 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;
  - (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.

## 4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) 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;
  - (b) the breach of a limit specified in the permit; or
  - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 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.
- 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.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
  - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
  - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## 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 "without delay", in which case it may be provided by telephone.

# Schedule 1 - Operations

<b>Table S1.1 activities</b>		
<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
Section 2.3 A(1) (a) – Surface treatment of metals or plastic materials using an electrolytic or chemical process where the aggregated volume of the treatment vats is more than 30 m3	Plating of metal components	Electroplating
Section 5.3 A (1) (c) (ii) -Disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment, not being treatment specified in any paragraph other than paragraph D9 in Annex IIA to the Waste Framework Directive, which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 in that Annex (for example, evaporation, drying, calcination, etc) (D9).	Final effluent treatment of S1 discharge prior to discharge to sewer	From pre-treatment and raw material dosage to treatment through to final discharge to sewer
<b>Directly Associated Activity</b>		
Storage of input chemicals	Storage of chemicals in various containers and storage tanks	From receipt of raw materials to storage and supply of materials to the installation.
Mechanical Preparation	Polishing	Polishing line complete with extraction system.
Chemical Preparation	Acid soak Electro degrease Alkali Degrease Vapour degreasing	From acid soak to alkali degreasing
Post Treatment	Passivation and Lacquering	Receipt of electroplated materials to completion of post treatment activities
Rinsing	Cold and Hot Rinsing	Rinsing water from post surface treatment to chemical cleaning
Drying	Hot and Cold Air Drying	
Fume extraction and particulate abatement linked to polishing line	Local exhaust ventilation systems on process vats .Cyclone particulate abatement on polishing line	

**Table S1.2 Operating techniques**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Non-technical summary, risk assessment and raw materials sections of supplementary application information and site condition report within supplementary application information in response to 5a technical standards , Part B of the application form	10/09/09
Response to Schedule 5 Notice dated 30/07/10	Response to questions 9,11,12,16	13/07/10
Additional information submission	All (Areas covered including stoppage of trichloroethylene usage, confirmation of operation of contained solvent vapour degreasing without venting to atmosphere waste minimisation actions and bunding improvement programme)	10/09/10
Additional information submission	All ( Areas covered include updated non-technical summary giving process overview)	13/09/10
Response on waste disposal activity	All	28/09/10

**Table S1.3 Improvement programme.**

<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
1	<p>The Operator shall submit in writing their proposals for reducing solvent within on site vapour degreasing operation as follows:</p> <p>Proposals for complete removal of solvent usage with options including but not limited to a review of aqueous cleaning methods and ultrasonics within the shortest possible time.</p> <p>Short term plans to minimise usage of solvents and ensuring solvents utilised do not include those with following risk phrase R45, R46, R49, R60 or R61, or halogenated VOCs which are assigned or need to carry the risk phrase R40. Plan to include solvent names and annual consumption estimates</p> <p>Plan to include details of provision of facilities to ensure solvent containment to prevent discharge to atmosphere.</p> <p>Timescales for the implementation of the above shall be provided.</p>	15/11/10

**Table S1.3 Improvement programme.**

Reference	Requirement	Date
2	<p>The Operator shall carry out an assessment of the impact on the environment of emissions to air of particulate matter less than 10 microns (PM10) and specific trace metals nickel and chromium VI. The assessment shall use an appropriate detailed air dispersion model based on actual monitoring of PM10 and trace metal data to evaluate the total process contribution for the installation for the parameters as listed above and their impact on the environment paying particular regard to the Local Air Quality management Area (LAQMA) and Air Quality Standards declared by Wolverhampton City Council. This assessment needs to be in line with Environment Agency guidance H1 annex f air emissions and take into account the following</p> <p>background PM10 data within the LAQMA and trace metal background data</p> <p>monitoring data utilised needs to accurately reflect the latest installation set up including any improvements that are to be listed impacting PM10 and trace metal emissions to atmosphere</p> <p>accurate usage of monitoring data for trace metals within PM10 fraction</p> <p>confirmation of Cr VI/Total Cr ratio utilised with a justification</p> <p>an assessment of normal and worst case scenarios for long and short term process contributions against relevant environmental standards in H1 guidance including a justification for the basis of each scenario.</p> <p>The Operator shall provide a summary to conclude if all relevant air quality standards are achieved; or where air quality standards are not being achieved that emissions from the installation are environmentally insignificant.</p> <p>In the event of these standards not being met an action plan for compliance with timescales is to be provided by the operator.</p>	31/03/11
3	<p>The operator shall submit a proposal for the storage, assessment and discharge in a controlled manner of contaminated fire water in the event of an incident. The proposal shall include but not be limited to:</p> <p>Emergency storage facilities for fire water with a justification of the suitability of the volume of such facilities</p> <p>Emergency procedures including sampling ,assessment criteria and disposal procedures</p> <p>Compliance with existing sewer discharge consents</p> <p>A summary of the assessment shall be sent to the Agency in writing together with a timetable to implement improvements identified. The plan shall be implemented to the timescale proposed as approved in writing by the Environment Agency.</p>	31/12/10

**Table S1.3 Improvement programme.**

Reference	Requirement	Date
4	<p>A report shall be submitted by the operator summarising free cyanide effluent monitoring results for effluent discharge S1 to sewer covering a minimum of three months of operation. The monitoring shall be performed in line with the Environment Agency mcerts sampling and monitoring guidance. The purpose of the monitoring is to assess the on site effluent treatment plant performance to meet the free cyanide benchmark to water as set out in Environment Agency Guidance Note S2.07, 2009.</p> <p>In the event of the S1 outfall free cyanide levels exceeding the benchmark modelling in line with the Environment Agency H1 guidance needs to be included to ensure the final outfall to surface water is in compliance with this benchmark. In addition if the modelling conclusions highlight a potential breach of the benchmark to surface water the report shall include an action plan for improvements to ensure compliance with timescales. The plan shall be implemented to the timescale proposed as approved in writing by the Environment Agency.</p>	31/03/11

**Table S1.4A Pre-operational measures**

Reference	Pre-operational measures
1	<p>At least 14 days prior to operation above the 30 m3 vat volume threshold for permitted activity Section 2.3 Part A(1)(a) , a report shall be submitted to the Environment Agency providing confirmation of adequate containment of all hazardous materials is in place. The report shall include but not be limited to:</p> <p>Bund capacity shall be confirmed as at least 110 % of tank volume for individual tank bunds or for multi tank bunds 110 % of the largest tank or 25 % of the total capacity of all tanks whichever is the larger.</p> <p>A summary of procedures to check the integrity of such bunds.</p> <p>Other controls in place to prevent abnormal discharges of hazardous substances to controlled waters.</p> <p>No operations shall commence until this report has been approved by the Environment Agency.</p>
2	<p>At least 14 days prior to operation above the 30 m3 vat volume threshold for permitted activity Section 2.3 Part A (1) (a) , a report shall be submitted to the Environment Agency providing an Accident Management Plan for the installation including but not limited to the infrastructure and procedures in place for accident prevention and management linked to all the hazards listed in Table A4 of application H1 risk assessment.</p> <p>In addition the report shall include details of controls and procedures for fire prevention plus specify the site fire water management procedure in the event of a fire. The report shall confirm the implementation of such suitable infrastructure and procedures. No operations shall commence until this report has been approved by the Environment Agency.</p>

**Table S1.4A Pre-operational measures**

Reference	Pre-operational measures
3	<p>At least 14 days prior to operation above the 30 m3 vat volume threshold for permitted activity Section 2.3 Part A (1) (a) , a report shall be submitted to the Environment Agency providing the formal written working procedure for operation of the Effluent Treatment Plant in order to ensure compliance with Severn Trent consent to discharge and indicative BAT measures in line with Environment Agency guidance note S2.07, 2009.</p> <p>This should include but not be limited to:</p> <ul style="list-style-type: none"><li>Operating procedures in normal and failure mode</li><li>Critical controls for system operation with specific acceptable parameter ranges for consent compliance</li><li>Alarms and actions in light of alarms to ensure corrective actions before consent to discharge breaches</li><li>Contingency measures in event of alarms and complete system failure</li><li>Confirmation of operator training in line with this procedure and implementation of this procedure is to be provided.</li></ul> <p>Any further improvements for optimum performance are to be summarised and a timescale for completion provided. No operations shall commence until this report has been approved by the Environment Agency.</p>



## Schedule 2 – Emissions and monitoring

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point C on application Appendix A site zone map]	Nickel and its compounds (as nickel)	Rose line vat extraction	No limit	Hourly average	As requested by the Environment Agency	BS EN 14385
A 2 [Point D on application Appendix A site zone map]	Nickel and its compounds (as nickel)	Main and lacquer vat line extraction	No limit	Hourly average	As requested by the Environment Agency	BS EN 14385
A3 [Point E on application Appendix A site zone map]	Nickel and its compounds (as nickel).	New vat line extraction (Ni)	No limit	Hourly average	As requested by the Environment Agency	BS EN 14385
A4 [Point F on application Appendix A site zone map]	No parameters	New vat line extraction (Zn)	No limits	Hourly average		-
A5 [Point W on application Appendix A site zone map]	Particulate Matter	Polishing line extraction	30 mg/m3	Hourly average	6 monthly (1)	BS EN 13284
A6 [Point X on application Appendix A site zone map]	No parameters	Lacquer ovens area general extract	No limits	-	-	-

**Notes**

- (1) Frequency every six months until 01/07/12. Subsequently as agreed in writing by the Environment Agency.

**Table S3.2 Point Source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (mg/l)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 referenced as emission point A on site plan within site condition report Appendix A	Free Cyanide	Effluent Treatment Plant final liquid discharge to sewer	No limits	(1)	As requested by the Environment Agency	BS6068:2.17:1986

Notes

(1) The reference period and sampling technique for collecting a representative sample shall be approved in writing by the Environment Agency.

## 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 3.3.1.	A5	Every 6 months(1)	1st January , 1st July
Emissions to Sewer Parameters as required by condition 3.3.1	S1	Every 6 months (1)	1 January, 1st July

Notes

(1) Frequency as stated until 01/07/12. Subsequently as agreed in writing by the Environment Agency.

**Table S4.2 Performance parameters**

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Vapour degreasing solvent consumption	Annually	Kg

**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	01/01/10
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	01/01/10
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	01/01/10
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	01/01/10
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	01/01/10

# 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.

(a) 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	

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
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	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of Global Metal Finishers Limited.

## Schedule 6 - Interpretation

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

“*annually*” means once every year.

“*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.

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

“*emissions to land*” includes emissions to groundwater.

“*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.**

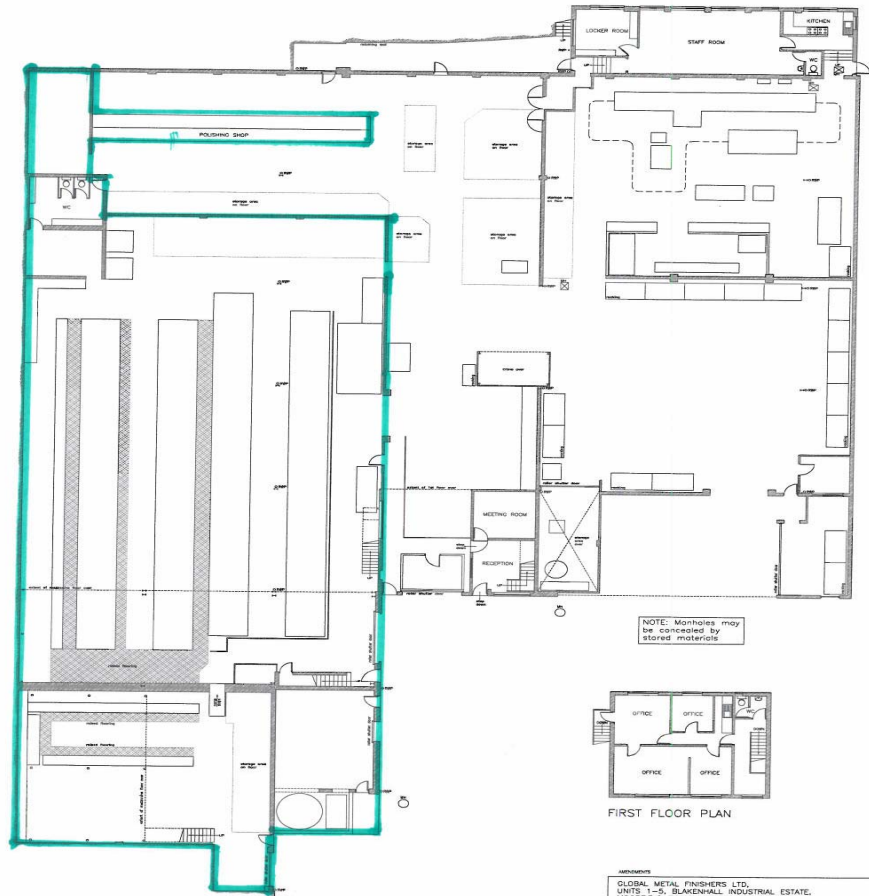
“*groundwater*” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“*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.

“*year*” means calendar year ending 31 December.

# Schedule 7 - Site plan



GROUND FLOOR PLAN

SITE INSTALLATION  
BOUNDARY  
13/09/2010

GLOBAL METAL FINISHERS LTD.  
UNITS 1-5, BLAKENHALL INDUSTRIAL ESTATE,  
MIDGIFIELD ROAD, WOLVERHAMPTON, WV2 4QT

FLOOR PLANS

**David McGuire & Associates Ltd**  
*Chartered Building Surveyor*  
10001-10002-10003-10004-10005

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End of permit

Permit Number: EPR/XP3335KT                      Operator:                      Global Metal Finishers Limited  
 Facility:                      Global Metal Finishers Limited Blakenhall Facility                      Form Number:                      Air1  
 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 <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
A5	Particulates	30mg/Nm3	Hourly average		BS EN 13284		

- (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.....



Permit Number: EPR/XP3335KT

Operator: Global Metal Finishers Limited

Facility: Global Metal Finishers Limited Blakenhall Facility

Form Number: Sewer1

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

Emission Point	Substance / Parameter	Emission Limit Value Mg/l	Reference Period	Result <sup>(2)</sup>	Test Method <sup>(3)</sup>	Sample Date and Times <sup>(4)</sup>	Uncertainty <sup>(5)</sup>
S1	Free cyanide	No limits	(1)	As requested by the Environment Agency	BS6068:2.17:1986	No limits	

Notes

- (1) The reference period and sampling technique for collecting a representative sample shall be approved in writing by the Environment Agency.
- (2) 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.
- (3) 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.
- (4) 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.
- (5) The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated

Signed .....

Date.....

Permit Number: EPR/XP3335KT                      Operator:                      Global Metal Finishers Limited  
 Facility:                      Global Metal Finishers Limited Blakenhall Facility                      Form Number: Energy1  
 Reporting of Energy Usage for the year ....

Energy Source	Energy Usage	Primary Energy (MWh)
Electricity *	MWh	
Natural Gas	MWh	
TOTAL	-	

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :
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Signed .....

Date.....

Permit Number: EPR/XP3335KT                      Operator:                      Global Metal Finishers Limited  
 Facility: Global Metal Finishers Limited Blakenhall Facility                      Form Number:                      WaterUsage 1  
 Reporting of Water Usage for the year ....

Water Source	Usage m3/year	Specific Usage (m <sup>3</sup> /unit output)
TOTAL WATER USAGE		

Operator's comments :

Signed .....

Date.....

Permit Number: EPR/XP3335KT

Operator: Global Metal Finishers Limited

Facility: Global Metal Finishers Limited Blakenhall Facility      Form Number: Performance 1

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Parameter	Units
Vapour degreasing annual solvent consumption	kg

Operator's comments :
-----------------------

Signed .....

Date.....