

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Global Metal Finishers Limited

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

Variation application number

EPR/XP3335KT/V002

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 notice

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

The operator has applied to vary their permit to address changes that have taken place at the installation since the permit was originally issued. These changes include the installation of an upgraded effluent treatment plant and the installation of a new zinc plating plant. The new zinc plating plant comprises three treatment lines with a total treatment volume of 101.1m³ consisting of:

- a rack acid plating line (treatment volume of 30.9m³)
- a barrel acid plating line (treatment volume of 18.6m³) and
- an alkali plating line (treatment volume of 51.6m³).

This brings the total aggregated volume of all the treatment vats at the installation to 150m³.

The upgraded effluent treatment plant (ETP) has been designed to treat the effluent arising from the plating lines at the facility. The effluent is segregated into six separate streams to treat the different types of effluent produced at the installation, namely cyanide rinses, COD metal-free rinses, chromium rinses, general rinses, spent acids and spent alkalis. The six streams are held in separate buffer storage tanks before undergoing treatment. There are no additional release points to water as the upgraded ETP continues to discharge to foul sewer under the site's existing discharge consent issued by Severn Trent Water.

Form Air1 has been updated to reflect the additional point source emission points to air A7 and A8. The revised Form Air1 will be sent to the operator as a separate document as it does not form part of the permit.

This variation also incorporates the changes required by the Industrial Emissions Directive. This includes the amendment of the wording of several permit conditions relating to notifications, the scheduled activity reference and the addition of a condition relating to a requirement for monitoring of groundwater and soil.

The schedules specify the changes made to the original permit.

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

Status log of the permit		
Description	Date	Comments
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	

Status log of the permit		
Description	Date	Comments
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	
Application EPR/XP3335KT/V002 (variation)	Duly made 13/03/17	Application to vary the permit to include the installation of an upgraded effluent treatment plant and the installation of a new zinc plating plant.
Variation determined EPR/XP3335KT (PAS Billing ref. TP3933YL)	15/06/17	Notice of variation issued.

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/XP3335KT

Issued to

Global Metal Finishers Limited (“the operator”)

whose registered office is

**Unit 1 Moorfield Road
Off Upper Villiers Street Wolverhampton
West Midlands
WV2 4QT**

company registration number 03674102

to operate a regulated facility at

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

to the extent set out in the schedules.

The notice shall take effect from 15/06/2017

Name	Date
J Linton	15/06/2017

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

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

Table S1.1 referenced in condition 2.1.1 is amended to capture the change to the scheduled activity reference for the Section 5.3 A (1) (c) (ii) activity to meet the requirements of the Industrial Emissions Directive:

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 2.3 A (1) (a) – Surface treatment of metals and plastic materials using an electrolytic or chemical process where the aggregated volume of the treatment vats is more than 30 m ³ .	Plating of metal components	Electroplating
Section 5.4 A (1) (a) (ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico-chemical treatment	Final effluent treatment of S1 discharge prior to discharge to foul sewer	From pre-treatment and raw material dosage to treatment through to final discharge to foul sewer
Directly Associated Activity		
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 referenced in the condition 2.3.1 is amended to include revised and updated Operating Techniques at the installation:

Table S1.2 Operating techniques		
Description	Parts	Date Received
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
Application EPR/XP3335KT/V002	Sections 2, 5, 6 and 7 of the Supporting Information Document reference P2447/R002 dated November 2016 provided in response to section 3a – technical standards, Part C3 of the application form.	10/11/16

Table S3.1 as referenced in condition 3.1.1 is amended to add emissions to air for points A7 and A8:

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
A2 [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 13284-1 and MID(2)

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
A6 [Point X on application Appendix A site zone map]	No parameters	Lacquer ovens area general extract	No limits	---	---	---
A7 [Point A7 in the site plan within this variation notice EPR/XP3335KT/V002]	Particulate matter	Zinc plating plant	30 mg/m ³	Hourly average	6 monthly	BS EN 13284-1 and MID (2)
A8 [Point A8 in the site plan within this variation notice EPR/XP3335KT/V002]	Particulate matter	Zinc plating plant	30 mg/m ³	Hourly average	6 monthly	BS EN 13284-1 and MID (2)

Notes

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

Table S3.2 as referenced in condition 3.1.1 is amended to reference the revised plan for point source emission to sewer point S1:

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	Parameter	Source	Limit (mg/l)	Reference Period	Monitoring frequency	Monitoring standard or method
S1 referenced as emission point S1 in the site plan within this variation notice EPR/XP3335KT/V002	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.

Table S4.1 as referenced in the condition 4.2.3 are amended to include reporting for A7 and A8 point source emissions to air:

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 air Parameters as required by condition 3.3.1.	A7	Every 6 months	1st January , 1st July

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.	A8	Every 6 months	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.

The following conditions are amended following an Environment Agency initiated variation to meet the requirements of the Industrial Emissions Directive.

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.

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	

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

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“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.

“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.

“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 7

“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 3 – conditions to be added

The following conditions are added following an Environment Agency initiated variation to meet the requirements of the Industrial Emissions Directive.

- 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.

Schedule 4 – amended plan

Amended plan attached. The site plan in Schedule 7 as referenced in the condition 2.2.1 is amended to increase the installation boundary:



Variation application number
 EPR/XP3335KT/V002