



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

IMCO Recycling (UK) Ltd
PO Box 38
Waunarlwydd Works
Waunarlwydd
Swansea
SA5 4YG

Variation Notice Number
GP3432MN

Permit number
BM1385IX

IMCO Recycling (UK) Limited

Permit Number GP3432MN

Introductory note

This introductory note does not form a part of the permit

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule 1 containing conditions to be deleted, schedule 2 conditions to be amended and schedule 3 conditions to be added.

This variation introduces a change of limit on release point A4 from 10 mg/m³ to the BAT level of 35 mg/m³ to take into account sulphur content of the fuel (Natural gas). The variation introduces a change to Table 6.1.1 for release point A4. Table 6.3.3 is amended to reduce the frequency of the following monitoring parameters on W1 (Copper, Tin, Zinc, Mercury, Nickel and Arsenic). The variation also introduces three improvement programme items, investigating potential sources of sulphur in the air emissions, reducing concentration of aluminium in the surface water discharge and carry out an assessment of the fluoride concentration in the surface water discharge.

Status Log of the permit		
Detail	Date	Comment
Application BM1385	Received 14/12/01	
Response to request for information	1 st Schedule 4 notice, Dated 08/12/02	Response received 20/02/02
	2 nd Schedule 4 notice, Dated 25/04/02	Response received 18/07/02
	3 rd Schedule 4 notice, Dated 10/10/02	Response received 31/10/02
	4 th Schedule 4 notice, Dated 04/11/02	Response received 18/12/02 and 25/04/03
	5 th Schedule 4 notice, Dated 03/06/03	Response received 23/06/03
Request by Agency to extend determination date from 27/08/02 to 27/11/02	Request dated 19/07/02	Request accepted 24/07/02
Request by Agency to extend determination date from 27/11/02 to 27/02/03	Request dated 28/10/02	Request accepted 30/10/02
Permit BM1385	Granted 05/09/03	
Variation notice BX1411	Served 19/01/04	Reduction in emission limits and addition of Improvement condition 9.14.
Variation notice WP3339SP	Effective 18/01/05	Addition of 4 further Improvement Conditions (9.15 to 9.18) linked to raw material storage, unauthorised release of aluminium, furnace fumes on start-up and addition of a higher percentage of oily material/thermal break to furnace. Setting of limits for ammoniacal nitrogen to water and sulphur dioxide to air.
Variation Notice GP4232MN	Effective Date 29/6/07	Amendment of SO ₂ limit for release point A4 and changes in sampling frequencies for some surface water determinands. Additional improvement items requiring investigation into site surface water also included. Schedule d1 has been renamed to Schedule 1.

Other PPC permits relating to this installation		
Operator	Permit Number	Date of Issue
Alcoa Europe Flat Rolled Products	BM1377	12 Aug 2003

End of Introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000



**ENVIRONMENT
AGENCY**

Variation Notice

Permit number

BM1385IX

Variation number

GP3432MN

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

IMCO Recycling (UK) Limited ("the operator"),

of/ whose registered office (or principal office) is

**P.O. Box 38,
Waunarlwydd Works,
Waunarlwydd,
Swansea.**

SA5 4YG

company registration number 3221771

to operate a part of an installation at

IMCO Recycling (UK) Limited

**Waunarlwydd Works,
Waunarlwydd,**

Swansea

SA5 4YG

to the extent set out in schedules 1 to 3 of this variation notice .

The notice shall take effect from 29th June 2007

Signed

Date

	29 th June 2007
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Mark Broom

Authorised to sign on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

1. None

SCHEDULE 2 – CONDITIONS TO BE AMENDED

2.1 Table 6.1.1 shall be amended to the following.

Table 6.1.1: Emission points into air

Emission point reference/description	Source	Location of emission point
A3	General extraction serving mudroom area. Extraction via baghouse filter. 15.25 metre stack.	Point X on site plan
A4	Extraction system from top of furnaces via lime/ activated carbon mixture or sodium bi-carbonate treatment and baghouse filter. 23 metre stack.	Point WA1 on site plan

2.2 Table 6.1.3 of Authorisation BM1385 as amended by variation notice GP3432MN shall be amended to:

Table 6.1.3: Emission to air

Parameters	A3	A4
Particulate mg m^{-3}		
Rolling 3-hour average	5	5
Frequency of monitoring (C = continuous)	C + annual	C + annual
Oxides of nitrogen (as NO_2) mg m^{-3}		
Avg. of extractive sample	-	60
Frequency of monitoring	-	Bi-annually
Minimum interval between extractive monitoring	-	5 months
Hydrogen chloride mg m^{-3}		
Avg. of extractive sample	-	10
Frequency of monitoring	-	Quarterly
Minimum interval between extractive monitoring	-	2 months
Volatile Organic Compounds (as carbon) mg m^{-3}		
Avg. of extractive sample	-	10
Frequency of monitoring	-	Quarterly
Minimum interval between extractive monitoring	-	2 months
Sulphur dioxide mg m^{-3}		
Avg. of extractive sample	-	35
Frequency of monitoring	-	Quarterly
Minimum interval between extractive monitoring	-	2 months
Fluorides (as HF) mg m^{-3}		
Frequency of monitoring	-	2
Minimum interval between monitoring	-	Bi-annually
	-	5 months
Dioxins (ITEQ) ng m^{-3}		
Frequency of monitoring	-	0.1
Minimum interval between monitoring	-	Annually
	-	11 months

2.3 Table 6.3.3 of Authorisation BM1385 as amended by variation notice GP3432MN shall be amended to:

Table 6.3.3. Emissions to water.

Parameter	Emission Point WA1	Monitoring Frequency
Total suspended solids (mg l ⁻¹)		
Spot sample	50	Monthly
Total dissolved solids (mg l ⁻¹)		
Spot sample	1200	Monthly
Oil & grease (mg l ⁻¹)		
Spot sample	10	Monthly
Copper and its compounds as Cu (mg l ⁻¹)		
Spot sample	0.25	6 Monthly
Lead and its compounds as Pb (mg l ⁻¹)		
Spot sample	0.1	6 Monthly
Tin and its compounds as Sn (mg l ⁻¹)		
Spot sample	0.1	6 Monthly
Zinc and its compounds as Zn (mg l ⁻¹)		
Spot sample	0.5	6 Monthly
Aluminium and its compounds as Al (mg l ⁻¹)		
Spot sample	1.5	Monthly
Mercury and its compounds as Hg (mg l ⁻¹)		
Spot sample	0.075	6 Monthly
Arsenic and its compounds as As (mg l ⁻¹)		
Spot sample	0.1	6 Monthly
Nickel and its compounds as Ni (mg l ⁻¹)		
Spot sample	0.5	6 Monthly
Ammoniacal nitrogen as N (mg l ⁻¹)	1.5	Monthly
pH maximum	9	Monthly
pH minimum	6	Monthly

2.4 Schedule d1 of Authorisation BM1385 as amended by variation notice GP3432MN shall be replaced in its entirety with:

Schedule 1

Confirmation of condition 5.1.1 notifications, in accordance with condition 5.1.2

This Schedule outlines the information that the Operator must provide to the Agency to satisfy condition 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must 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 PPC Regulations.

Returns should contain:

Part A

- ☐ Name of Operator.
- ☐ Permit Number
- ☐ Location of Installation.
- ☐ Date information provided.
- ☐ Time, date and location of the emission.
- ☐ Identity and details of the substance[s] emitted to include:-
 - ☐ Best estimate of the quantity or the rate of emission, and the time during which the emission took place.
 - ☐ Environmental medium into which the emission took place.
 - ☐ Measures taken, or intended to be taken, to stop the emission.

Part B

- ☐ Date and time of emission
- ☐ Any more accurate information on the matters notified 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 or harm which has been or may be caused by the emission.
- ☐ The dates of any Part A notifications within in the previous 24 months.
- ☐ Name ☐ Post
- ☐ Signature ☐ Date
- ☐ Statement that signatory is authorised to sign on behalf of IMCO Recycling (UK) Limited.

SCHEDULE 3 – CONDITIONS TO BE ADDED

- 3.1 The following Improvement Condition shall be added to Table 9.1.1 of Authorisation BM1385/GP3432MN

Table 9.1.1: Improvement programme requirements (contd.)		
Ref.	Requirement	Date
9.19	The Operator shall submit a report to the Agency at the Reporting Address detailing an investigation into methods for controlling the release of total dissolved solids and aluminium to controlled waters from the site. The report shall include a plan for installing control measures identified as part of the investigation.	31 st October 2007
9.20	The Operator shall submit a report to the Agency at the Reporting Address detailing an investigation of the sources of sulphur dioxide being released via A4 and a full assessment of the release of sulphur dioxide against BAT. The report will also include the control measures used to minimise sulphur dioxide release.	31 st December 2007
9.21	The Operator shall submit a report to the Agency at the Reporting Address reviewing the concentration of Fluoride in the surface water discharge. The review will involve a minimum of 12 samples over 12 month period and a review against BAT Non Ferrous Sector Guidance.	31 st September 2008