

Surrender notice with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Anglesey Aluminium Metal Ltd

Holyhead Aluminium Smelter
Penrhos Works
PO Box 4
Holyhead
Anglesey
Gwynedd
LL65 2UJ

Surrender application number
EPR/BL1100IX/S006

Permit number
EPR/BL1100IX

Holyhead Aluminium Smelter

Permit number EPR/BL1100IX

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the surrender in part of an environmental permit.

The partial surrender covers part of the installation, comprising the materials transfer area, coke store, alumina store, the previous liquefied petroleum gas storage area, gas treatment area, main site stack, coke off-loading station and site car park. This partial surrender is Phase A of a planned three-phase partial surrender.

Changes made as a result of the part surrender are set out in the schedules.

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

Status Log of the permit		
Detail	Date	Response Date
Application BL1100	Received 27/12/2001	
Response to Schedule 4 Part1 Notice	Notice dated 15/04/2002	Response received 24/06/2002
Supplementary Information	Received 02/09/2002	Amended earlier Schedule 4 Part 1 Notice Responses
Response to Schedule 4 Part1 Notice	Notice dated 03/05/2002	Response received 02/09/2002
Supplementary Information	Received 05/11/2002	Amended earlier Schedule 4 Part 1 Notice Responses
Permit BL1100	Determined 30/05/2003	
Application for variation	Received 25/04/2005	
Variation JP3532SB	Determined 29/06/2005	
Variation Application (DP3532KF) Duly Made	15/12/2009	
Variation Notice EPR/BL1100IX/V003 issued	18/12/2009	
Partial Transfer application EPR/ZP3337KE/T001 for transfer of part of permit EPR/BL1100IX	Duly Made 18/02/2010	
Partial Transfer of permit to new operator (Anglesey Aluminium Metal Renewables Ltd) issued EPR/ZP3337KE/T001	08/03/2010	
Partial Transfer of permit issued to Anglesey Aluminium Metal Ltd EPR/BL1100IX/T004	08/03/2010	
Variation EA/EPR/BL1100IX/V004 initiated	Approved 10/06/2010	
Variation EA/EPR/BL1100IX/V004 issued	19/11/2010	
Variation Application EPR/BL1100IX/V005 (returned to applicant - Not Duly Made).	Returned to applicant 13/06/2012	
Partial Surrender Application EPR/BL1100IX/S006	Duly Made 30/07/2012	
Additional information requests	06/08/2012	Response received 03/09/2012
Schedule 5 Notice	21/08/2012	Response received 27/09/2012
Partial Surrender Issued EPR/BL1100IX/S006	09/11/2012	
End of introductory note		

Notice of surrender

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 25 of the Environmental Permitting (England and Wales) Regulations 2010 accepts the surrender in part of

Permit number
EPR/BL1100IX

issued to
Anglesey Aluminium Metal Ltd ("the operator")

whose registered office is

2 Eastbourne Terrace
London
W2 6LG

company registration number 909645

to operate a regulated facility at

Holyhead Aluminium Smelter
Penrhos Works
PO Box 4
Holyhead
Anglesey
Gwynedd
LL65 2UJ

to the extent set out in the schedules.

The notice shall take effect from 09/11/2012.

Name

Date

Eirian Macdonald

09/11/2012

Principal Permitting Team Leader, National Permitting Service

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 detailed, as a result of the application made by the operator.

Table 6.1.1: Emission points into air

Emission point reference	Source	Location of emission point
31A1 ¹	Hot oil boiler N exhaust	As shown on drawing 52-1017-C, provided with supplementary response to Schedule 4 Question 54, received 2 September 2002.
31A2 ¹	Hot oil boiler S exhaust	
31A4 ¹	Pitch fume scrubber	
31A5 ¹	Nuisance dust collection systems in green carbon plant, including mixers during the addition of dry feed materials	
31A9 ¹	750 t pitch storage tank cartridge filter	Immediately on top of each tank.
31A10 ¹	1000 t pitch storage tank cartridge filter	
31A11 ¹	90 t pitch storage “day” tank cartridge filter	
33A1 ¹	Anode bake plant cyclones	As shown on drawing 52-1017-C, provided with supplementary response to Schedule 4 Question 54, received 2 September 2002.
33A5 ¹	Baked anode cleaning station	
34A2 ¹	Aluminium spray booth	Roof of rodding room
34A3 ¹	Aluminium spray furnace	As shown on drawing 52-1017-C, provided with supplementary response to Schedule 4 Question 54, received 2 September 2002.
34A4 ¹	Cast iron induction furnace	
34A6 ¹	Collector bar shot blast cleaner	
34A7 ¹	Cast iron tumbler mill cleaner and rod shot blast unit	
34A8 ¹	Secondary butts cleaning machine	
35A1 ¹	Primary butts crushing unit	
35A2 ¹	Secondary butts crushing unit	
41A5 ¹	Autogenous mill (bath crusher)	

Table 6.1.1: Emission points into air – continued

Emission point reference	Source	Location of emission point
41A21 ¹	Roof of potroom 1A	Eight vents spaced evenly along length of each pot room roof
41A22 ¹	Roof of potroom 1B	
41A23 ¹	Roof of potroom 2A	
41A24 ¹	Roof of potroom 2B	
41A26 ¹	Pot room West End dust collection	West end of pot room 2A
41A25 ¹	Crucible cleaning building	As shown on drawing 52-1017-C, provided with supplementary response to Schedule 4 Question 54, received 2 September 2002.
43A2 ¹	"D" Charger	
43A4	"A" Charger	
43A5	"A" Holding furnace	
43A7	"A" SNIF unit	
43A8	"B" Charger and holding furnace	
43A10	"B" SNIF unit	
43A11	"C" Charger	
43A12 ¹	"C" Holding furnace	
43A13 ¹	Homogenising furnace No N3	
43A14 ¹	Homogenising furnace No M3	
43A15 ¹	Homogenising furnace No M4	
43A19	Continuous homogenising unit	

¹Note: These release points are not currently operational and are covered by a pre-operational condition in Table 1.1.3.

Table 6.1.2: Emission limits into air – Pot room roofs, Pot room West End and Fume treatment

Parameters	Emission Point				
	41A21	41A22	41A23	41A24	41A26
Gaseous Fluorides (as HF), kg/day Continuous laser monitoring	65	65	65	65	
Gaseous Fluorides (as HF), kg/week. Frequency of monitoring			360 weekly continuous samples		
Total Fluorides (as F), kg/week Frequency of monitoring			480 weekly continuous samples		
Total particulate matter, kg/day Frequency of monitoring			100 monthly continuous samples		10 Annual. Minimum 4 hour sample

	41A21, 22,23 and 24 taken together 12-month moving mean figures	
Gaseous Fluorides (as HF), kg/t aluminium smelted	0.55	
Total Fluorides (as F), kg/t aluminium smelted	0.7	
Total particulate matter, kg/t aluminium smelted	1.2	

Table S2: Reporting of monitoring data (except for emission points 43A4, 43A8, 43A11, and 43A19 for which reporting requirements are set out in Table S2.1)

Parameter	Units	Emission point	Reporting period	Period begins
Gaseous fluoride by laser monitoring, as HF	kg/day and kg/week	41A21-41A24, 33A1	Quarterly	1 July 2003
Gaseous fluoride by extractive monitoring, as HF	kg/day and kg/week	41A23	Quarterly	1 July 2003
Total fluoride by extractive monitoring, as F	kg/day and kg/week	41A23, 33A1	Quarterly	1 July 2003
Gaseous fluoride (as HF)	12-monthly rolling means, kg/t of Al smelted	41A21-24 taken together	Quarterly	1 July 2003
Particulate fluoride (as HF)	12-monthly rolling means, kg/t of Al smelted	41A21-24 taken together	Quarterly	1 July 2003
Total fluoride (as F)	12-monthly rolling means, kg/t of Al smelted	41A21-24 taken together, 33A1	Quarterly	1 July 2003
Sulphur dioxide	12-monthly rolling means, kg/t of Al smelted	41A21-24, & 33A1 taken together	Quarterly	1 July 2003
Total particulate matter	Monthly mean kg/day	41A23, 33A1 41A26	Quarterly Annually	1 July 2003
Total particulate matter	mg/m ³	41A26, 31A4	Annually, Quarterly	1 July 2003
Total particulate matter	kg/quarter And 12-monthly rolling means, kg/t of Al smelted	41A21-24, 41A26, 31A4, 33A1, and all other release points in total	Quarterly (41A26 Annually)	1 July 2003
Particulate Fluoride	kg/quarter	41A26, All release points in total, other than 41A21-24, 41A26, 31A4, and 33A1.	Annually, Quarterly	1 July 2003
Total PAH [EPA 16] Total PAH [OSPAR11] and Benzo-a-Pyrene	mg/m ³	31A4, 33A1	six monthly	1 July 2003

Table S2: Reporting of monitoring data – continued (except for emission points 43A4, 43A8, 43A11 and 43A19 for which reporting requirements are set out in Table S2.1)

Parameter	Units	Emission point	Reporting period	Period begins
Total particulate matter	kg	All to air	Annual	1 July 2003
Total particulate fluoride (as F)	kg	All to air	Annual	1 July 2003
Total oxides of nitrogen as NO ₂	kg	All to air	Annual	1 July 2003
Carbon monoxide	kg	All to air	Annual	1 July 2003
Gaseous fluoride (as HF)	kg	All to air	Annual	1 July 2003
Total fluoride as F	kg	All to air	Annual	1 July 2003
Total fluorocarbons	kg	All to air	Annual	1 July 2003
Total PAH [EPA 16]	kg	All to air	Annual	1 July 2003
Total PAH [Borneff 6]	kg	All to air	Annual	1 July 2003
Benzo-a-pyrene	kg	All to air	Annual	1 July 2003
Carbon dioxide	t	All to air	Annual	1 July 2003
Total oxides of sulphur as SO ₂	t	All to air	Annual	1 July 2003
Flow	l/s	53W1, 53W2	Quarterly	1 July 2003
Flow	m ³ /day	53W1, 53W2	Quarterly	1 July 2003
Fluoride	mg/l	53W1, 53W3	Quarterly	1 July 2003
Total PAH [EPA 16]	mg/l	53W1, 53W3	Quarterly	1 July 2003
Suspended solids	mg/l	53W1 53W3	Quarterly	1 July 2003
pH	-	53W1 53W3	Quarterly	1 July 2003
pH minimum	-	53W1 53W3	Quarterly	1 July 2003
Total hydrocarbon oil	mg/l	53W1, 53W3	Quarterly	1 July 2003
Biochemical oxygen demand	mg/l	53W2	Quarterly	1 July 2003
Total fluoride (as F)	kg	All to water	Annual	1 July 2003
Total PAH [EPA 16]	kg	All to water	Annual	1 July 2003
Total PAH [Borneff 6]	kg	All to water	Annual	1 July 2003
Fluoride deposition / ambient air concentration	µgcm ⁻² /week µg/m ³	At sites as detailed in application	Every 6 months	1 July 2003
Fluoride in herbage	mg/kg		Every 6 months	1 July 2003
Fume collection efficiency	%	based on monitoring 41A23	Quarterly	June 2005
Fume treatment efficiency	%	based on monitoring 41A23	Quarterly	June 2005

Schedule 3 – conditions to be added

None.

Schedule 4 – amended plan

The area of the site is reduced to that shown in the attached amended plan.

