Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Airbus Operations Limited

Broughton Aircraft Factory
Chester Road
Broughton
Chester
CH4 0DR

Variation number

EPR/BM3965IA/V009

Permit number

EPR/BM3965IA

Broughton Aircraft Factory
Permit number EPR/BM3965IA

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.

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate level of environmental protection is provided.

This variation is to authorise the installation of two new paint spray booths, one within the Interim Single Aisle Paintshop in Building 128 and one within the Final Single Aisle Paintshop in Building 160 building on site. The new paint booths will carry out final wing painting and detailed wing painting of wing elements.

The two new paint booths will be operated in the same manner as the existing paint booths and will use the same compliant coating and solvent cleaning materials. There will be two new emission points to air associated with the new booth in the Interim Single Aisle Paintshop and one new emission point to air associated with the new booth in the Final Single Aisle Paintshop. Each emission point to air will release air containing particulate matter and volatile organic compounds (VOCs) present as a result of the painting activities.

The exhaust gases will be cleaned prior to release using dry filtration which will remove some of the particulate matter. The filter medium (F9 filtration) used will be high efficiency dust retention units that incorporate a dust fixing resin. Outlets will be fitted with a HEPA H13 filter and ducted to an external discharge point.

Releases of VOCs will be controlled by compliance with the site's existing agreed Solvent Reduction Scheme and adherence to the site's existing agreed Solvent Management Plan. 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 BM9365IA	Duly Made 06/06/2002	
Request for information	18/09/2002	Received 18/09/2002
Permit determined BM3965IA	15/11/2002	
Application BV0945	10/04/2003	
Variation EPR/BV0945 issued	27/07/2003	
Variation application TP3737PJ	09/07/2004	
Additional information supplied	13/07/2004	
Additional information supplied	02/08/2004	
Additional information supplied	18/10/2004	
Additional information supplied	12/05/2004	
Variation TP3737PJ issued	30/06/2005	
Variation application NP3235MQ	12/12/2006	
Variation NP3235MQ issued	26/01/2007	
Variation application EPR/BM3965IA/V005	Duly Made 11/11/2009	
Variation EPR/BM3965IA/V005 issued	03/08/2010	
Variation application EPR/BM3965IA/V006	Duly Made 27/03/2015	
Variation EPR/BM3965IA/V006 issued	02/09/2015	
Application EPR/BM3964IA/V007 (variation and consolidation)	Duly Made 07/06/2016	Application to vary and update the permit to modern conditions.
Additional information received	10/08/2016	Updated site plan and plan of emission points to air
Variation determined Consolidated Permit: EPR/BM3965IA	05/09/2016	Varied and consolidated permit issued in modern format. The following permit conditions have been consolidated: EPR/BM3965IA and EPR/BP3937WE
Application for variation PAN-002197 (EPR/BM3965IA/V008)	Duly Made 15/01/2018	Application to install additional paint booth on site with associated emission point
Variation EPR/BM3965IA/V008 issued	03/05/2018	Variation issued to install a new paint booth on site

Application (variation) received PAN-022066	Duly made 07/06/2023	Application to install two new paint booths on site with associated emission points
Additional information received in response to a Schedule 5 notice sent on 02/08/23	17/08/2023	Air emissions dispersion modelling and filter medium BAT assessment
Additional information received in response to a Schedule 5 notice sent on 02/08/23	04/09/2023	Revised site plan and BATOT document
Additional information received	18/10/2023	Revised site plan
Variation determined EPR/BM3965IA/V009	23/10/2023	Varied permit issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales ("Natural Resources Wales") in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number
EPR/BM3965IA

issued to:
Airbus Operations Limited ("the operator")

whose registered office is

Pegasus House
Aerospace Avenue
Filton
Bristol
BS34 7PA

company registration number **03468788**

to operate a regulated facility at

Broughton Aircraft Factory
Chester Road
Broughton
Chester
CH4 0DR

to the extent set out in the schedules.

The notice shall take effect from 23/10/2023

Signed	Date
Holly Noble	**23/10/2023**

Authorised on behalf of Natural Resources Wales

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 S1.2 shall be amended to:

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application BS4243	The response to questions 2.3 and given in pages 14 to 22 inclusive and within sections 2.3.1 to 2.3.12 if the Application	06/06/02
Application BS4243 Response to Schedule 4 Part 1 Notice dated 11 Sept 2002	Response to questions 3 and 4	12/09/02
Application BM3964IA	The response to section 2.1, 2.2 and 2.3 in the application	04/12/06
Application BM3965IA Additional information from the Operator	Atmospheric Dispersion Modelling	08/01/07
Application BM3965IA Additional information from the Operator	Re-submission of main test of the application, PPC04, PPC06 and Table 2.10.2 Surface Water Monitoring	15/01/07
Application BM3965IA Additional information from the Operator	Atmospheric Dispersion Modelling for Onsite Receptors and Conversion of nitric oxide to nitrogen dioxide	17/07/07
Application EPR/BM3965IA/V005	Sections 3.12, 3.13, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23 (except 3.23.6 and 3.23.7)	11/11/09
Application EPR/BM3965IA/V006	Section 2 of application report “Application for a Variation to Environmental Permit Np. EPR/BM3965IA”	27/03/15
Application EPR/BM3965IA/V007	Sections 4, 5, 6 and 8 of 934592-RPT-1 Rev. B “Airbus Environmental Permit Variation Application, Permit EPR/BM3965IA” (June 2016)	07/06/16
Application EPR/BM3965IA/V008	‘Permit variation application EPR/BM3965IA’ report and the associated Air Quality Impact Assessment (AQIA) report	15/01/18
Application PAN-022066	‘Best Available Techniques and Operating Techniques’ report Sections 3.0, 4.0 (except 4.1), 5.0, 6.0, 7.0, 8.0, 9.0, 11.0, 12.0, 13.0, 14.0, 16.0 and 17.0	04/09/23
Application PAN-022066	‘Environmental Risk Assessment’ report Section 4.0	07/06/23

Table S3.1 shall be amended to:

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location (on PPC 04 E dated 9/8/16))	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
Chrome Anodising, TSA Anodising, and Effluent Treatment Plant						
Large Component Manufacture (LCM)						
A79, A81, A83	Tanks 01, 02, 03, 04, 05, 08 and 11 on the LCM Treatment Line	n/a	n/a	n/a	n/a	n/a
A90	LCM Effluent Treatment	n/a	n/a	n/a	n/a	n/a
A82	Tank 9	n/a	n/a	n/a	n/a	n/a
Stringer Manufacturing Centre (SMC)						
A84	Tanks 01, 02, 05, 08, 09, 10 and 13 on the SMC Treatment Line	n/a	n/a	n/a	n/a	n/a
A91	SMC Effluent Treatment	n/a	n/a	n/a	n/a	n/a
Paint Shops						
Haden Booth						
A24, A26	Oven, spray booth and paint mix	VOCs	n/a	n/a	Annually	Mass balance Note 1
Site 5						
A27 – A34	Prep booths, spray booths, detail booths, detail booth oven and paint mix	VOCs	n/a	n/a	Annually	Mass balance Note 1
Interim Single Aisle						
A35c, A36c	Paint spray booths and paint mix	VOCs	n/a	n/a	Annually	Mass balance Note 1
A35 – A43 A35a – A42a	Booths and paint mix	VOCs	n/a	n/a	Annually	Mass balance Note 1
Binks						
A44	Spray booths, paint mix and oven	VOCs	n/a	n/a	Annually	Mass balance Note 1
Stringer						
A55, A56	Spray booth, paint mix and booth oven	VOCs	n/a	n/a	Annually	Mass balance Note 1
West						
A58 – A60	Paint shops and paint mix	VOCs	n/a	n/a	Annually	Mass balance Note 1

Final Single Aisle						
A187	Paint spray booths and paint mix	VOCs	n/a	n/a	Annually	Mass balance Note 1
A177 – A181, A184 – A185 A186	Prep booth and paintshop	VOCs	n/a	n/a	Annually	Mass balance Note 1
Combustion Plant						
A4 – A10, A12, A14	Process / Space Heaters	n/a	n/a	n/a	n/a	n/a
A23	Hanger 91 Boiler	n/a	n/a	n/a	n/a	n/a
A61 – A72	A380 Autoclaves	n/a	n/a	n/a	n/a	n/a
A112 – A115	Site 5 Burners	n/a	n/a	n/a	n/a	n/a
A119	Haden Booth Burner	n/a	n/a	n/a	n/a	n/a
A99 – A111, A120 – A173, A182	Combustion Plant <0.5MW Input	n/a	n/a	n/a	n/a	n/a
A175	Final Single Aisle Boiler	n/a	n/a	n/a	n/a	n/a
CHP-A1	Stringer Boiler 1	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A2	Stringer Boiler 2	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A3	Skin and Creep Boiler	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A4	West Factory Boiler 1	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A5	West Factory Boiler 2	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A6	West Factory Boiler 3	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A7	West Factory Boiler 4	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A8	West Factory CHP 1	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A9	West Factory CHP 2	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A10	West Factory CHP 3	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A11	West Factory CHP 4	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A12	Stringer CHP 1	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A13	Stringer CHP 2	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849

CHP-A14	Skin and Creep CHP	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A15	CHP D	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A16	Boiler 1 D	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A17	Boiler 2 D	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A18	CHP E	Oxides of Nitrogen (as NOx)	500 mg/m3	15 minute average	Annually	ISO10849
CHP-A19	Boiler 1 E	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A20	Boiler 2 E	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849
CHP-A21	Boiler 3 E	Oxides of Nitrogen (as NOx)	200 mg/m3	15 minute average	Annually	ISO10849

Note 1: Mass balance required as part of permit condition 4.2.5 (annual solvent management plan)

Schedule 3 – conditions to be added

None

Schedule 4 – amended plan

The plan entitled ‘Emission Point Plan’ shall be replaced with: