

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Airbus Operations Limited

**Chester Road
Broughton
Chester
CH4 0DR**

Variation application number

EPR/BM3965IA/V007

Consolidated permit number

EPR/BM3965IA

Airbus Operations Limited

Consolidated 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 environmental permits EPR/BM3965IA (Permit A) and EPR/BP3937WE (Permit B) referred to in the status logs below and the replacement of those permits with a consolidated environmental permit.

The installation associated with Permit EPR/BM3965IA comprises the whole process of manufacture of aircraft wings and components, from delivery of raw materials, to the despatch of the completed wings. The specific activities authorised by the permit are:

- Operation of natural gas-fired dispersed combustion plant for space and process heating;
- Surface treatment of wing components and completed structures, comprising cleaning and anodising;
- Surface coating of wing components and finished structures in enclosed booths.

Permit EPR/BP3937WE authorises the supply of heat and electricity for use at buildings on the Airbus site using combined heat and power (CHP) units.

Airbus Operations Limited currently operates the activities covered by the environmental permits described above. Therefore, in the interests of simplification and streamlining, the Operator has applied to consolidate permits EPR/BM3965IA and EPR/BP3937WE into a single permit. The permits have been consolidated into EPR/BM3965IA (the aircraft wing manufacturing permit) as a result of this notice. Therefore EPR/BM3965IA will become the base permit for the installation going forward.

Whilst the majority of the installation is controlled by Airbus Operations Limited, there is an associated activity operated by Metal Improvement Company LLC. This involves the treatment of metal surfaces by shot blasting, to shape the surface and to condition it by producing indents, which increase the resistance of the surface to tension cracking. Metal Improvement Company LLC also operate a small space heating plant. As such, the overall site remains a multi-operator installation.

This variation also incorporates the following change, as applied for by the operator; specifically the operation of a new paint booth inside the Full Single Aisle Paintshop (FSAP). The new paint booth comprises separate preparation and “combo” (combined spray painting and curing) booths, which will increase the overall number of paint booths in the FSAP from four to five. The new paint booth is necessary to allow more flexible production, increased booth utilisation and provide for increased production throughput. The new booth will undertake the same production operation supplementing the existing four paint booths. As such, this variation does not involve the introduction of any new coating materials or solvents. Similarly it does not require any additional land or change the current permitted boundary of the installation.

However, the new paint booth will require the addition of two new air emission points, A184 and A185 respectively. These emission points will extract air from the preparation and combo booths, containing VOC and particulate matter from paint overspray. Emissions of particulate matter will be abated via the use of disposable fabric filters mounted in the booth exhaust ductwork. VOC emissions are minimised via compliance with the installation’s Solvent Reduction Scheme.

The booths will be heated by hot water from existing site services and incorporate heat recovery systems that reduce energy consumption associated with heating the booths by 70%. There will be an increase in washwater from the booth and condensate from the air handling unit in the FSAP as a result of this variation, which will be discharged to sewer. There will be no point source emissions to water, land or groundwater as a result of this variation. We are satisfied that the new booth will be operated in accordance with Best Available Techniques for the sector.

In addition, we have used this variation as an opportunity to make the following minor changes to permit EPR/BM3965IA:

- Amendment of Table S1.1, activity S6.4 B (a) to include “sealing” into the description of the listed activity. This change is to clarify that sealant is included as “any other coating material” as referenced in the S6.4 B (a) activity definition within the Environmental Permitting Regulations (England and Wales) 2010 (EPR). Therefore permit condition 4.2.5 applies to both painting and sealing of wing structures. The reference to “and exhaust of extracted process air to air” has been removed from the limits of specified activity column to reflect the fact that sealing takes place on the shop floor (without air extraction), rather than in a paint shop (with air extraction). However, we have added “including cleaning of coating equipment” to the limits of specified activity column in recognition of the fact that coating equipment such as paint spray guns need to be cleaned with organic solvents.
- Amendment of Table S1.1 to include “surface cleaning using organic solvents” and “coating wing structures using organic solvents” as separate directly associated activities. These directly associated activities have been added because both are specific activities which use organic solvents, as listed in Annex VII, Part 2 of the Industrial Emissions Directive (2010/75/EU) (IED).

- Amendment of Tables S3.1 and S4.1 of the permit to remove requirement for quarterly mass balance reporting of VOC releases from the Paint Shops. This is because the requirement for a mass balance of VOC releases from the operator is now addressed by the annual solvent emission plan submission (required by permit condition 4.2.5).

The schedules specify the changes made to the permit.

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

Status log of permit A: EPR/BM3965IA		
Description	Date	Comments
Application BM3965IA	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	12/05/2005	
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/BM3965IA/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

Status log of permit A: EPR/BM3965IA

Description	Date	Comments
Variation determined Consolidated Permit: EPR/BM3965IA	05/09/2016	Varied and consolidated permit issued in modern condition format. The following permits have been consolidated: EPR/BM3965IA and EPR/BP3937WE

Other Part A installation permits relating to installation A

Operator	Permit number	Date of issue
Airbus Operations Limited	EPR/BP3937WE	17/02/2015
Metal Improvement Company LLC	EPR/BS4235IN	15/11/2002

Status log of permit B: EPR/BP3937WE

Description	Date	Comments
Application BS4243	Received 24/05/02 Duly made 06/06/02	
Response to Schedule 4 Information Notice	Request dated 03/09/02	Response dated 12/09/02
Request by Environment Agency to Steill Facilities Limited to extend determination from 06/10/02 to 31/10/02	Request dated 25/09/02	Request accepted 11/10/02
Permit BS4243	Determined 15/11/02	
Application for variation	Received 04/08/04	Not all requirements complied with
Application for variation	Received and complete 11/08/04	Incorporating name change, addition of new combustion plant and CHP and variation to NO _x limits to the existing boiler plant.
Request by Environment Agency to Steill Facilities Limited (Alfred McAlpine Business Services Ltd) to extend determination from 11/11/14 to 02/12/14	Request dated 09/11/04	Request accepted 10/12/04
Request by Environment Agency to Steill Facilities Limited (Alfred McAlpine Business Services Ltd) to extend determination from 02/12/04 to 13/01/05	Request dated 02/12/04	Request accepted 08/12/04
Variation DP3033BA	Determined 13/01/05	
Environment Agency initiated variation		
Variation BP3234MT	Determined 26/01/07	
Application EPR/BP3937WE/T001 (full transfer of permit EPR/BS4243IF)	Duly made 05/01/15	Application to transfer the permit in full to Airbus Operations Limited.
Transfer determined EPR/BP3937WE/T001 Permit Number EPR/BP3937WE	17/02/15	Full transfer of permit complete.

Status log of permit B: EPR/BP3937WE

Description	Date	Comments
Application EPR/BM3965IA/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 condition format. The following permits have been consolidated: EPR/BM3965IA and EPR/BP3937WE

Other Part A installation permits relating to installation B

Operator	Permit number	Date of issue
Airbus Operations Limited	EPR/BM3965IA	15/11/2002
Metal Improvement Company LLC	EPR/BS4235IN	15/11/2002

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales ("Natural Resources Wales") in exercise of its powers under regulations 18 and 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates environmental permits

Permit numbers
EPR/BM3965IA
EPR/BP3937WE

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 part of a regulated facility at

Chester Road
Broughton
Chester
CH4 0DR


to the extent set out in the schedules.

The notice shall take effect from 05/09/2016

The number of the consolidated permit is EPR/BM3965IA

Signed

Date

	05/09/2016
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Eirian Macdonald, Principal Permitting Team Leader
Authorised on behalf of Natural Resources Wales

Schedule 1 – changes in the permit

Note: The conditions numbers used in this schedule refer to those in the consolidated permit.

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.