



**ENVIRONMENT
AGENCY**

Permit with introductory note

Pollution Prevention and Control Regulations 2000

**Airbus UK Limited
Chester Road
Broughton
Chester
Flintshire
CH4 0DR**

Permit number

BM3965

EXPIRATION DATE	of	18/11/02
VALIDITY DATE	of	18/11/02

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Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I.2000 No.1973) ("the PPC Regulations") to operate an installation carrying out one or more of the activities listed in Part 1 to Schedule 1 of those Regulations, to the extent authorised by the Permit.

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Brief description of the installation regulated by this permit

The main purpose of the activities at the installation is:-

The installation comprises the whole process of the manufacture of aircraft wings and components, from the delivery of raw materials, to the despatch of the completed wings. Wing parts are shipped out either by a specially adapted aircraft and in future, by road transport and barge. The aircraft movements are not regulated by this permit. The movement of road vehicles on site is controlled by the permit.

The specified activities are:

Combustion Plant consisting of approximately 80 units dispersed throughout the factory area. The majority of the units are fired with natural gas, with gas oil being used for stand-by purposes on the three boilers in the main boiler house. The purpose of the Combustion plant is to provide heat for space heating and for process heating in the autoclaves, spray booths and surface treatment plant. Where appropriate combined heat and power units, using natural gas fired engines and heat recovery hot water boilers are used to provide electricity and heat. Releases from the combustion plant are minimised by the use of natural gas and the use of high efficiency combined heat and power systems.

Surface Treating Plant consists of three separate lines in different production areas. The wing components or completed structures are cleaned and then anodised prior to surface coating. The main emissions to air are acid gas from the treatment baths. These are fitted with extraction systems, which discharge to atmosphere through wet scrubbers to remove the acid gas droplets or fume.

Surface Coating Plant consists of three separate lines in different production areas. The wing components or finished structures are spray painted by hand in enclosed booths. The exhaust air from the booths is discharged to atmosphere through filter systems to remove paint particles. The release of volatile organic compounds is minimised by the use of compliant paints, meeting the requirements of the Secretary of State's Guidance, PG6/40.

The associated activities are the component machining, grit blasting, component assembly using autoclave adhesive techniques and the effluent treatment plants associated with each surface treatment line. The discharge from the effluent treatment plant is made to sewer.

There are three operators of parts of the installation. The majority is operated by Airbus UK, including some of the combustion plant, all the surface treatment and coating plant, the effluent treatment plant and most of the wing manufacturing. The CHP plant is operated by Stiell UK Ltd and supplies heat and power to Airbus. There is an associated activity carried out by Metal Improvement Company. 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. MIC also operate small space heating units which are part of the installation but are considered to have an insignificant environmental impact.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
Stiell Facilities Limited	BS4243	15/11/2002
Metal Improvement Company Inc	BS4235	15/11/2002

Superseded Licenses/Consents/Authorisations relating to this installation

Holder	Reference Number	Date of Issue
Flintshire County Council	PP/0036	5/7/1995
Environment Agency	CG0333801	12/5/1999

Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1.

Confidentiality

The Permit requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

Status Log

Detail	Date	Comment
Application BM3965	Received 24/05/02 Duly made 06/06/02	
Response to Schedule 4 Information Notice	Request dated 13/09/02	Response dated 18/09/02
Request by Agency to extend determination from 06/10/02 to 31/10/02	Request dated 25/09/02	Request accepted 03/10/02
Request by Agency to extend determination from 31/10/02 to 15/11/02	Request dated 28/10/02	Request accepted 06/11/02
Permit BM3965	Determined 15/11/02	

End of introductory note.

Permit

Pollution Prevention and Control
Regulations 2000



**ENVIRONMENT
AGENCY**

Permit

Permit number

BM3965

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973), hereby authorises

Airbus UK Limited ("the Operator")

Whose Registered Office is

New Filton House

Filton

Bristol

Avon BS99 7AR

Company registration number 3468788

to operate part of Installation at

Airbus UK

Chester Road

Broughton

Chester

CH4 0DR

to the extent authorised by and subject to the conditions of this Permit.

Signed

Miss A Weedy

Authorised to sign on behalf of the Environment Agency

Date

15 November 2002

Conditions

1

The permitted installation

1.1.1

The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1.

Table 1.1.1

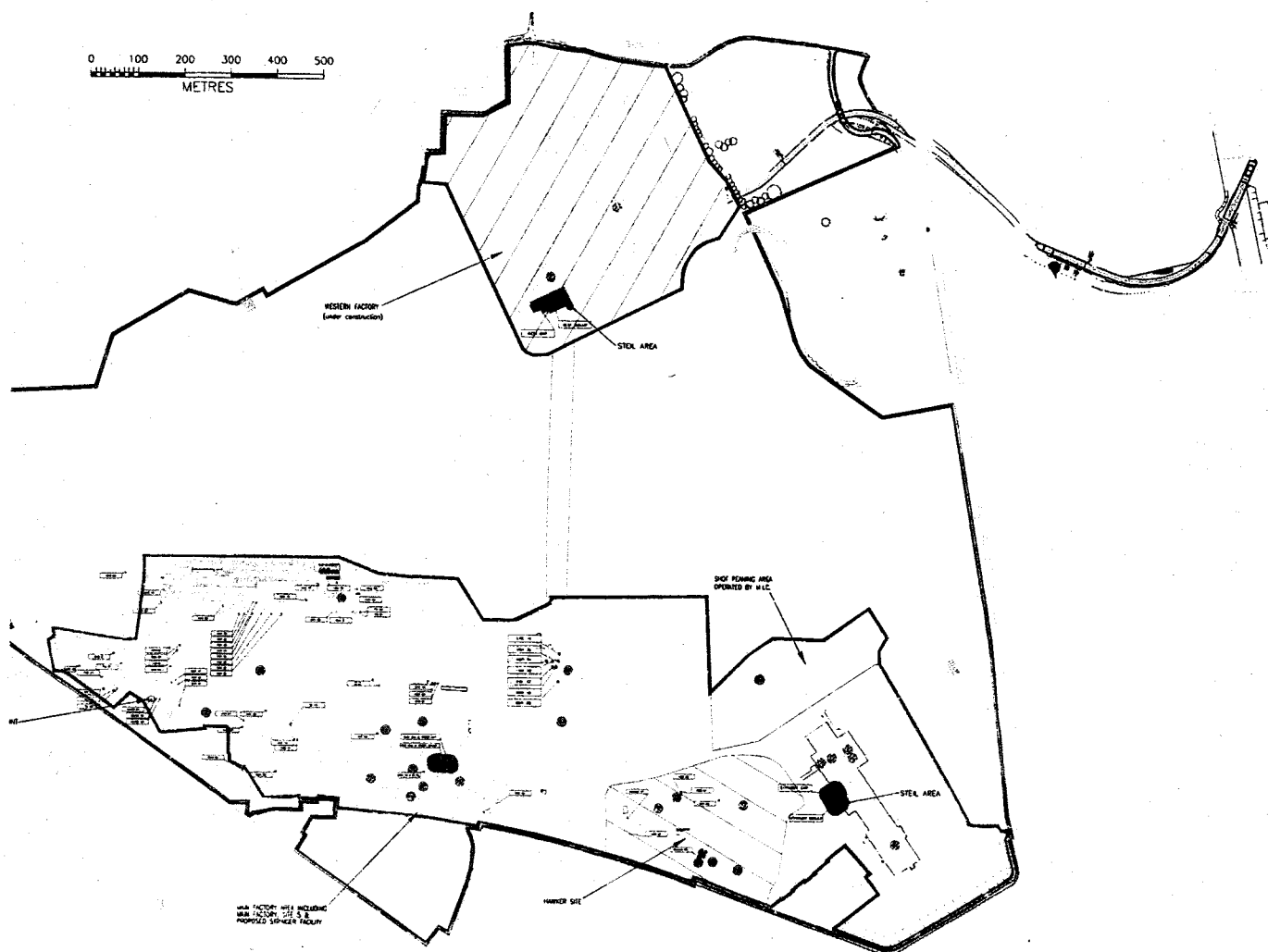
Activity under Schedule 1 of the Regulations/ Associated Activity	Description of specified activity	Schedule 1 Activity Reference (if applicable)	Limits of specified activity
Combustion plant	Dispersed combustion plant	1.1A(1)(a)	Delivery of raw materials to exhaust of products of combustion and delivery of hot water or steam.
Surface treatment	Chrome Anodising	2.3A(1)(a)	Delivery of raw materials and despatch of material for further processing. Delivery of effluent to effluent treatment plant. Exhaust from scrubbers.
Surface coating	Painting of wing structures	6.4B(a)	Delivery of raw material to despatch of finished product. Exhaust of air from plant.

The permitted installation

Manufacture of wing structures	Manufacture of components and assembly of structures	Directly associated activity	Delivery of raw material to despatch of finished product
Machining	Manufacture of components	Directly associated activity	Delivery of raw material to despatch of material for further processing.
Grit blasting	Surface treatment of components	Directly associated activity	Delivery of raw material to despatch of material for further processing.
Autoclaves	Assembly of components	Directly associated activity.	Delivery of raw material to despatch of material for further processing.
Effluent treatment	Treatment of effluent from chrome anodising	Directly associated activity	Receipt of effluent from Chrome Anodising to discharge of treated effluent. Despatch of waste material. Exhaust to atmosphere

1.1.2

The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the upper area of the plan edged in blue on the plan below, and the lower area edged in purple on the plan below.



1.1.3

There are no pre-operation conditions

2 Operational Matters

2.1 Management techniques and control

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency.

Table 2.1.1 : Management and control

Description	Parts	Date Received
Application	The response to question 2.1 given in section 2.1 of the application	06/06/02

- 2.1.2 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition.
- 2.1.3 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.1.4 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.
- 2.1.5 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties and shall be provided with appropriate training and written operating instructions to enable them to carry out their duties.

2.2 Raw materials (including water)

- 2.2.1 The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.1, or as otherwise agreed in writing by the Agency.

Table 2.2.1 : Raw materials (including water)

Description	Parts	Date Received
Application	The response to question 2.2 given in section 2.2 of the application	06/06/02
Additional Information	Items-3,4,8,13,15,18,24,28,37,38,44,51,54	27/08/02

- 2.2.2 The Operator shall submit a report to the Environment Agency every two years, outlining the progress of the programme aiming to eliminate the use of chromates in Airbus manufacture by 2008.

2.3 Operating Techniques

- 2.3.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.3.1, or as otherwise agreed in writing by the Agency.

Table 2.3.1: Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.3 given in section 2.3 of the application.	06/06/02

2.4 Groundwater protection

- 2.4.1 The Permitted Installation shall, subject to the conditions of this Permit, be controlled as described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

Table 2.4.1: Groundwater protection

Description	Parts	Date Received
Application	The response to questions 2.4 and given in pages 90 to 94, sections 2.4.1 to 2.4.12. of the application	06/06/02
Additional Information in letter dated 22/08/02	Item 32	27/08/02

2.5 Waste handling and storage

- 2.5.1 The Operator shall, subject to the conditions of this Permit, handle and store waste as described in the documentation specified in Table 2.5.1, or as otherwise agreed in writing by the Agency.

Table 2.5.1: Waste handling and storage

Description	Parts	Date Received
Application	The response to question 2.5. given in pages 95 to 104 and within section 2.5 of the application	06/06/02
Additional Information in letter dated 22/08/02	Items 30, 39, 40, 42	27/08/02

- 2.5.2 Waste materials specified in Table 2.5.2 shall only be stored on the site in the location and manner specified in that Table.

Description of Waste	Location of Storage on Site	Manner of Storage	Storage Conditions
Hazardous Waste including miscellaneous chemicals, paint filters, contaminated rags.	Location 3 on drawing PPC 003	Various storage methods drums containers etc, (waste stream specific)	Purpose built, secure storage, impermeable base, bunded.
Non Hazardous Waste including empty paint thinner tins, wood, paper, card, metal,	Location 19 on Drawing PPC 003	Stored in 660 litre wheeled towable containers.	Purpose built, secure storage, impermeable base, bunded
West Road Spray Booth (Aqueous waste)	Location 31 on Drawing PPC 003	Underground Tank	Purpose built Tank
Site 5 Spray Booth (aqueous waste)	Location 29 on Drawing PPC 003	Underground Tank	Purpose built Tank
Waste Oil	Garage	Bulk Storage	Bulk Storage undercover in garage (Tank)

2.6 Waste recovery and disposal

2.6.1 The Operator shall, subject to the conditions of this Permit, recover and dispose of waste as described in the documentation specified in Table 2.6.1, or as otherwise agreed in writing by the Agency.

Table 2.6.1: Waste recovery and disposal

Description	Parts	Date Received
Application	The response to question 2.6 given in pages 105 to 108 section 2.6 of the application.	06/06/02
Additional Information in letter dated 22/08/02	Items 26, 27, 37, 37, 40, 41, 42, 43, 44	27/08/02

2.7 Energy Efficiency

2.7.1 The Operator shall, subject to the conditions of this Permit, use energy as described in the documentation specified in Table 2.7.1, or as otherwise agreed in writing by the Agency.

Table 2.7 1: Energy efficiency

Description	Parts	Date Received
Application	The response to question 2.7 given in section 2.7 of the application.	06/06/02
Response to Schedule 4 Part 1 Notice	Response to questions 1,2 and 3.	18/09/02

2.7.2 The Operator shall produce a report annually on the energy consumption of the installation. This report shall be sent to the Agency

2.7.3 The Operator shall have an energy efficiency plan, which shall be updated annually.

2.8 **Accident prevention and control**

2.8.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in the documentation specified in Table 2.8.1, or as otherwise agreed in writing by the Agency.

Table 2.8.1 : Accident prevention and control

Description	Parts	Date Received
Application	The response to question 2.8 given in section 2.8 of the application.	06/06/02
Response to Schedule 4 Part 1 Notice	Response to question 4	18/09/02

2.8.2 The Operator shall maintain an up to date Accident Management Plan

2.9 **Noise and vibration**

2.9.1 The Operator shall, subject to the conditions of this Permit, control noise and vibration as described in the documentation specified in Table 2.9.1, or as otherwise agreed in writing by the Agency.

Table 2.9.1 : Noise and vibration

Description	Parts	Date Received
Application	The response to question 2.9 given in section 2.9 of the application	06/06/02
Additional information letter dated 22/08/02	Item 53	27/08/02
Noise Report dated 05/09/02	All items	09/09/02

2.10 **Monitoring**

- 2.10.1 The Operator shall, subject to the conditions of this Permit, carry out, evaluate and assess monitoring as described in the documentation specified in Table 2.10.1, or as otherwise agreed in writing by the Agency.

Table 2.10.1 : Monitoring

Description	Parts	Date Received
Application	The response to question 2.10 given in pages/section 2.10 of the application	06/06/02
Additional Information	Revised table 2.1.2	27/08/02

- 2.10.2 Where requested in writing by the Agency, the Operator shall provide at least 14 days advance notice of undertaking monitoring/spot sampling.

- 2.10.3 There shall be provided:

- a** safe and permanent means of access, together with all other facilities necessary, to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2, unless otherwise specified in that Schedule; and
- b** safe means of access, together with all other facilities necessary, to other sampling/monitoring points when required by the Agency.

2.11 **Decommissioning**

- 2.11.1 The Operator shall, subject to the conditions of this Permit, make provision for decommissioning the installation as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

Table 2.11.1 : Decommissioning

Description	Parts	Date Received
Application	The response to question 2.11 given in section 2.11 of the application	06/06/02

- 2.11.2 The Operator shall maintain an up to date site closure plan during the lifetime of the Installation.

2.12 **Multi-operator installations**

- 2.12.1 The Operator shall, subject to the conditions of this Permit, use the techniques and measures described in the documentation specified in Table 2.12.1, or as otherwise agreed in writing by the Agency.

Table 2.12.1: Multi-operator Installations

Description	Parts	Date Received
Application	The response to questions 2.12 given in section 2.12 of the application	06/06/02

2.12.2

The Operator shall hold monthly meetings with all permit holders operating activities in the same Installation to ensure that Installation wide issues are fully considered.

3

Records

3.1.1

A record (a "Specified Record") shall be made of:-

- a** any malfunction, breakdown or failure of plant, equipment or techniques (including down time and any short term and long term remedial measures) that may have, has had or might have had an effect on the environmental performance of the Permitted Installation. These records shall be kept in a log maintained for that purpose;
- b** all monitoring and sampling taken or carried out in accordance with the conditions of this permit and any assessment or evaluation made on the basis of such data.

3.1.2

There shall be made available for inspection by the Agency at any reasonable time:

- a** Specified Records;
- b** any other records made by the Operator in relation to the operation of the Permitted Installation ("Other Records").

3.1.3

A copy of any Specified or Other Records shall be supplied to the Agency on demand and without charge.

3.1.4

Specified Records and Other Records shall:-

- a** be legible;
- b** be made as soon as reasonably practicable; and
- c** indicate any amendments which have been made and shall include the original record wherever possible.

3.1.5

Specified Records and Other Records shall be retained for a minimum period of 4 years from the date when the records were made.

3.1.6

For all waste received at or produced from the Permitted Installation, the Operator shall record (and shall retain such records for a minimum of 4 years)

- a** its composition, or as appropriate, description;
- b** the best estimate of the quantity produced;
- c** its disposal routes; and
- d** the best estimate of the quantity sent for recovery.

3.1.7

A record shall be made at the Permitted Installation of any complaints concerning the Installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose.

4 Reporting

- 4.1.1 All reports and notifications required by this Permit, or by Regulation 16 of the PPC Regulations, shall be sent to the Environment Agency at the address notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall report the parameters listed in Table S2 to Schedule 2 as follows:
- a in respects of the emission points specified;
 - b for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - c giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - d sending the report to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall, within 36 months of the issue of this Permit, submit a report on potential environmental improvements to the Permitted Installation. For each of the subject areas identified in Section 2 of the appropriate technical guidance, the report shall assess the costs and benefits of alternative techniques that may provide environmental improvement. This shall include, but not be limited to, those techniques listed in guidance. The methodologies used should be based on those given in Agency guidance note IPPC H1 (Environmental Assessment and Appraisal of BAT) and should justify, against the Best Available Techniques criteria, where potential improvements are not planned to be implemented. As part of their management system the Operator shall submit an updated report every 36 months.
- 4.1.4 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.5 Fugitive emissions shall be reviewed on an annual basis and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them.
- 4.1.6 The Operator shall produce a report annually on the energy consumption of the installation and shall send a copy of each such report to the Agency.

5

Notifications

5.1.1

The Operator shall notify the Agency **without delay** of:-

- a** the detection of an emission of any substance which exceeds any limit or criteria in this Permit specified in relation to the substance;
- b** the detection of any fugitive emission which has caused or may cause pollution unless the quantity emitted is so trivial that it would be incapable of causing pollution;
- c** the detection of any malfunction, breakdown or failure of plant or techniques which has caused or may have the potential to cause pollution; and
- d** any accident which has caused or may have the potential to cause pollution.

5.1.2

The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1 of this Permit by sending:-

- a** the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
- b** the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;

and such information shall be in accordance with that Schedule.

5.1.3

The Operator shall give written notification as soon as practicable, of any of the following:

- a** permanent cessation of the operation of any part of or all of the Permitted Installation;
- b** cessation of the operation of any part of or all of the Permitted Installation for a period, likely to exceed 1 year; and
- c** resumption of the operation of any part of or all of the Permitted Installation after a cessation notified under 5.1.3(b).

5.1.4

The Operator shall notify the following matters to the Agency, in writing, within 14 days of their occurrence:

- i** any change in the Operator's trading name, registered name or registered office address;
- ii** a change to any particulars of the Operator's ultimate holding company (including details of an ultimate holding company where the Operator has become a subsidiary);
- iii** any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.

6 Emissions

6.1 Emissions into air

- 6.1.1 Emissions to air from the emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table.

Table 6.1.1: Emission points into air

Emission point reference/description	Source	Location of emission point
A1	HWB01 Vekos 7.3 MW gas/oil boiler	Point 19 on Plan
A2	HWB02 Vekos 7.3 MW gas/oil boiler	Point 19 on Plan
A3	HWB03 Vekos 7.3 MW gas/oil boiler	Point 19 on Plan
A4	HWB04 2.3 MW Process heater	Point 41 on Plan
A5	HWB05 4.4 MW Process Heater	Point 42 on Plan
A6	HWB06 2MW Space Heater	Point 38 on Plan
A7	HWB07 2 MW Space Heater	Point 26 on Plan
A8	HWB10 0.75 MW Space Heater	Point 21 on Plan
A9	HWB11 0.75 MW Space Heater	Point 22 on Plan
A10	HWB12 1.75 MW Space Heater	Point 23 on Plan
A11	HWB13 1.75 MW Space Heater	Point 23 on Plan
A12	HWB14 0.6 MW Space Heater	Point 24 on Plan
A13	HWB15 0.6 MW Space Heater	Point 24 on Plan
A14	WAH17 1.1 MW Space Heater	Point 43 on Plan
A15	WAH18 1.1 MW Space Heater	Point 43 on Plan
A16	WAH19 0.78 MW Space Heater	Point 25 on Plan
A17	WAH20 0.78 MW Space Heater	Point 25 on Plan
A18	WAH21 0.78 MW Space Heater	Point 25 on Plan
A19	WAH22 0.6 MW Space Heater	Point 44 on Plan
A20	WAH23 0.67 MW Space Heater	Point 40 on Plan
A21	WAH24 1.044 MW Space Heater	Point 39 on Plan
A22	Hangar 89 Boiler 0.5 MW	Point 58 on Plan
A23	Hangar 91 Boiler 1.0 MW	Point 56 on Plan
A24	Dash 600 Spray Booth	14
A25	Dash 600 Oven stack	50
A26	Dash Paint Mix	51
A27	Site 5 Prep Booth 1	28
A28	Site 5 Prep Booth 2	27
A29	Site 5 Spray Booth 1	29
A30	Site 5 Spray Booth 2	30
A31	Site 5 Detail Booth 1	31
A32	Site 5 Detail Booth 2	32
A33	Site 5 Detail Booth Oven	33
A34	Site 5 Paint Mix	34
A35	Single Aisle 1	80
A36	Single Aisle 2	81
A37	Single Aisle 3	82
A38	Single Aisle 4	83
A39	Single Aisle 5	84
A40	Single Aisle 6	85
A41	Single Aisle 7	86
A42	Single Aisle 8	87
A43	Single Aisle Paint Mix	88
A44	Binks Spray Booth 1	60
A45	Binks Spray Booth 2	61

Emissions

A46	Binks Paint Mix	62
A47	Binks Oven	63
A48	Hangar 91 Spray Booth 1	66
A49	Hangar 91 Spray Booth 2	67
A50	Hangar 91 Spray Booth 3	68
A51	Hangar 91 Spray Booth 4	69
A52	Hangar 91 Spray Booth 5	70
A53	Hangar 91 Spray Booth 6	71
A54	Hangar 91 Paint Mix	72
A55	Stringer Booth Spray	35
A56	Stringer Booth Oven	36
A57	Stringer Paint Mix	37
A58	West Paint Shop 1	52
A59	West Paint Shop 2	53
A60	West Paint Mix	54
A61-A72	Creep Autoclaves 1-12	93-104
A73-A78	Hawker Autoclaves	105-110
A79-A80	MCC Treatment Tank 5	115-116
A81	MCC treatment Tank 1-2	122
A82	MCC Treatment Tank 9	117
A83	MCC Treatment Tank 11	123
A84	Stringer Treatment	120
A85	Hangar 89 Treatment	119
A86-A89	Hangar 89 Grit Blast 1-4	111-114
A90	MCC Effluent Treatment	118
A91	Stringer Effluent Treatment	121
A92	Hangar 89 Effluent Treatment	119

- 6.1.2 The limits for emissions into air for the parameters and emission points set out in Table 6.1.3 shall not be exceeded.
- 6.1.3 The Operator shall carry out monitoring of the parameters listed in Table 6.1.3, from the emission points and at least at the frequencies specified in that Table.
- 6.1.4 The Operator shall maintain an up to date inventory, including heat input, type of fuel, stack height and diameter, and location for all combustion plant within the Installation.

Table 6.1.3: Emission limits into air

Parameters	Emission Point				
	A1-A23	A24-A60	A61-A78	A79-A85	A86-A89
Volatile Organic Compounds (as carbon) mg m ⁻³	---	50	---	---	---
Frequency of monitoring		Annually			
Oxides of nitrogen (as NO _x) mg m ⁻³	200*	---	200*	10*	---
Frequency of monitoring	Annually		Annually	Annually	
Particulate mg m ⁻³ (min 4 hour sample)	---	20	---	---	50
Frequency of monitoring		Annually			Annually
Isocyanates mg m ⁻³	---	0.1	---	---	---
Frequency of Monitoring		Annually			
Total Chrome as chromium mg m ⁻³	---	---	---	0.1	---
Frequency of Monitoring				Annually	

6.1.5

Where an annual mass limit for a substance is stated in Table 6.1.4, the aggregate emission of such substance from the Permitted Installation into air from the emission point(s) specified in Table 6.1.2 shall not exceed that limit in any year.

Table 6.1.4 Annual mass limits

Substance	Limit – kg
There are no Annual Mass Limits	

6.1.6

There shall be no odour from the activities at the installation detectable beyond the site boundary.

6.2 **Emissions to land**

- 6.2.1 Emissions into or onto land from the emission point(s) specified in Table 6.2.2 shall only arise from the source(s) {and shall be emitted only to the soakaway} specified in that Table.

Table 6.2.2 Emission points into land

Emission point reference/description	Source	Soakaway
Septic Tank serving single aisle paint shop	Sewage from overflow from septic tank serving single aisle paint shop	Soakaway from septic tank overflow.

- 6.2.2 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the Site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.

6.3 Emissions to water [other than emissions to sewer]

6.3.1 Emissions to water from the emission point(s) specified in Table 6.3.1 shall only arise from the source(s) specified in that Table.

Table 6.3.1: Emission points into water

Emission Point Reference.	Source	Receiving Water
SW6	Site drainage from site via interceptor	Unnamed tributary of Higher Ferry Drain
SW7	Site drainage from site via interceptor	Unnamed tributary of Higher Ferry Drain
SW8	Site drainage from new stringers facility via interceptor into lagoon	Unnamed tributary of Higher Ferry Drain
SW11	Site Drainage from MIC and Site 5 and Raytheon.	Higher Ferry Drain
SW15	Site drainage via interceptor from West Factory	River Dee
SW16	Site drainage from site via interceptor	Unnamed tributary of Higher Ferry Drain

6.3.2 Limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 6.3.3 shall not be exceeded.

6.3.3 The Operator shall carry out monitoring of the parameters listed in Table 6.3.3, from the emission points and at least at the frequencies specified in that Table.

Table 6.3.3: Emission limits into water

Parameter	Emission Point SW6, SW7, SW8, and SW 15.	Emission Point SW11,SW16	Monitoring Frequency
BOD mg l ⁻¹	10	10	Weekly
COD mg l ⁻¹	10	10	Weekly
Suspended Solids mg l ⁻¹	50	50	Weekly
pH max	8	8	Weekly
pH min	6	6	Weekly
Electrical Conductivity uS/cm	1500	1500	Weekly
Total Cr ug l ⁻¹	2	2	Weekly
Flow m ³ per week	--	--	Weekly

6.3.4 There shall be no emission into water from the Permitted Installation of any substance prescribed for water for which no limit is specified in Table 6.3.3 except in a concentration which is no greater than the background concentration.

6.3.5 Where an annual mass limit for a substance is stated in Table 6.3.5, the aggregate emissions of such substance from the Permitted Installation into water from the emission point(s) specified in Table 6.3.1 shall not exceed that limit in any year.

Table 6.3.5 Annual mass emission limits

Substance	Limit – kg
No limits set	

6.4 Emissions to sewer

6.4.1 Emissions into sewer from the emission points specified in Table 6.4.1 shall only arise from the sources specified in that Table.

Table 6.4.1 Emission points into sewer

Emission point reference	Source	Sewer
F 1	West Factory	Main Sewer
F 2	Main Airbus Factory, Machine Shop, Creep Facility	Main sewer
F 4	Site 5, Hawker, Hanger 89, stringer facility, Raytheon, and MIC facility	Main sewer

6.4.2 The limits for the emissions into sewer for the parameter(s) and emission point(s) set out in Table 6.4.2 shall not be exceeded.

Table 6.4.2 Emission limits into sewer

Parameter	Emission point F2	Emission Point F4
Total Cr ug l ⁻¹	100 Weekly	100 Weekly
Frequency of monitoring		

6.4.3 There shall be no emission into sewer from the Permitted Installation of any substance prescribed for water for which no limit is specified in Table 6.4.2 except in a concentration which is no greater than the background concentration.

6.4.4 Where an annual mass limit for a substance is stated in Table 6.4.4, the aggregate emission of such substance from the Permitted Installation into sewer from the emission points specified in Table 6.4.1 shall not exceed that limit in any year.

Table 6.4.4 Annual mass emission limit

Substance	Annual limit – kg
No limits set	

6.5 **Emissions of heat**

6.5.1 No conditions are specified

6.6 Emissions of noise and vibration

6.6.1 After the completion of construction and commissioning, noise emitted from the site shall not exceed the following levels as measured at noise sensitive premises in accordance with the methods described in BS 4124:

West Factory: 45 dB L_{Aeq} 1 hour (day limit)
34 dB L_{Aeq} 5 minutes (night limit)

Stringers Facility and Hangar 89:
45 dB L_{Aeq} 1 hour (day limit)
30 dB L_{Aeq} 5 minutes (night limit)

Creep and Skin Mill:
40 dB L_{Aeq} 1 hour (day limit)
35 dB L_{Aeq} 5 minutes (night limit)

6.6.2 Noise emitted from on site deliveries between the buildings described shall not exceed the following levels as measured at noise sensitive premises in accordance with the methods described in BS 4124:

West Factory:
Between 2300 and 0700-43 dB L_{Aeq} 5 minutes

Stringers Facility and Hangar 89:
Between 2300 and 0700-40 dB L_{Aeq} 5 minutes

Creep and Skin Mill:
Between 2300 and 0700-40 dB L_{Aeq} 5 minutes

7

Transfer to effluent treatment plant

No transfers to effluent treatment plant are controlled under this part of this Permit. Emissions to water are controlled under 6.4

8 Off site conditions

8.1.1 There are no off site conditions.

9 Improvement programme

- 9.1.1 The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the date of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

Table 9.1.1: Improvement programme requirements

Reference	Requirement	Date
9.1	A report shall be sent to the Agency on establishing an Environmental Management System having regard to section 2.1 of the relevant IPPC Sectoral or other Technical Guidance. The report shall include any proposals to implement such a programme	31 December 2002
9.2	The Operator shall implement an independently audited environmental management system in accordance with ISO14001	30 April 2003
9.3	The Operator shall review the Monitoring programme for all emissions from the Installation, following on from an assessment of actual releases based on the first 6 months operation of the installation, including the substantially changed sections, and shall submit a proposed revised programme to the Agency.	30 June 2003
9.4	The operator will establish, in consultation with the Agency and Flintshire County Council, a list of suitable locations for the monitoring of noise from the installation, including noise sensitive locations. The operator will provide the Agency and the Council with methodologies for the monitoring, calculations of noise level contributions from the installation to overall background noise levels, and calculations of the noise levels attributable to the installation at the identified locations.	13 December 2002
9.5	The operator will provide the Agency with a noise reduction program, and a proposed timescale for its implementation, to minimise the levels of noise generated from those sources identified in the Application, including the investigation and minimisation of "tonal" noise issues where appropriate.	30 April 2003
9.6	The operator shall establish a procedure for the investigation of received noise complaints including the investigation of "tonal" noise complaints where appropriate. The procedure shall be agreed with the Agency in consultation with Flintshire County Council.	31 December 2002
9.7	The operator shall undertake a noise monitoring exercise at locations and frequencies agreed with the Agency in consultation with Flintshire County Council, during the Christmas Holiday 2002 shutdown period, and submit a subsequent report and conclusions to the Agency. Noise monitoring exercises shall be repeated, and additional reports submitted to the Agency, at frequencies to be agreed with the Agency in consultation with Flintshire County Council.	31 January 2002
9.8	The operator shall carry out a program of repair, alteration and replacement of the existing oil storage and hazardous waste stores.	30 June 2003
9.9	The Operator shall carry out a program to remove chromium from the production process.	31 December 2008.
	A summary report shall be submitted to the Agency every two years, identifying progress towards this removal. The first report shall be submitted by:	31 December 2003

10

Interpretation

10.1.1 In this Permit, the following expressions shall have the following meanings:

"Authorised Officer"

means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, powers specified in Section 108(4) of that Act.

"Background concentration"

means the same as "background quantity" as defined in paragraph 11 to Part 2 to Schedule 1 of the PPC Regulations.

"Fugitive emission"

means an emission from any point other than those specified in the Tables in part 6 of this Permit.

"LAeq"

means the A-weighted equivalent continuous equal energy level (dBA)

"Monitoring"

includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

"Permitted Installation"

means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

"PPC Regulations"

means the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit.

"Staff"

includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"Substances prescribed for water"

means those substances mentioned in paragraph 13 of Part 2 of Schedule 1 to the PPC Regulations.

"Year"

means calendar year ending 31 December.

10.1.2 Where a minimum limit is set for any emission parameter, references to exceeding the limit shall mean that the parameter shall not be less than that limit.

10.1.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means;

- a** in relation to gases 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
- b** in relation to gases 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.

11 Written agreement to changes

11.1.1 When the qualification "or as otherwise agreed in writing" is used in a condition of this Permit, the Operator shall seek such agreement in the following manner:

- a** the Operator shall give the Agency written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and
- b** such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.

11.1.2 Any change proposed according to condition 11.1.1 and agreed in writing by the Agency, shall not be implemented until the Operator has given the Agency prior written notice of the implementation date for the change. As from that date, the Operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.

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 Airbus UK Limited

Schedule 2

Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 of this Permit, are listed below.

Table S2: Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
VOCs mg m ⁻³	A24-A60	Every 12 months	1 January 2003
Oxides of nitrogen mg m ⁻³	A1-A23 A61-A85	Every 12 months	1 January 2003
Isocyanates mg m ⁻³	A24-A60	Every 12 months	1 January 2003
Particulates mg m ⁻³	A24-A60 A79-A89	Every 12 months	1 January 2003
Chromium mg m ⁻³	A79-A85	Every 12 months	1 January 2003
Biochemical oxygen demand mg l ⁻¹	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
Chemical oxygen demand mg l ⁻¹	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
Suspended solids mg l ⁻¹	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
Electrical Conductivity uS/cm	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
pH	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
Total Chrome mg l ⁻¹	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
Flow m ³ /week	SW6, SW7, SW8, SW11, SW15, SW16	Every 3 months	1 January 2003
Total Chrome mg l ⁻¹	F2, F4	Every 3 months	1 January 2003

Schedule 3

Forms to be used

Unless otherwise agreed in writing between Agency and the Operator, the following Agency forms are to be used for reports submitted to Agency.

Table S3: Reporting Forms		
Media/parameter	Form Number	Date of Form
Air	A1.1	07/11/02
Air	A1.2	07/11/02
Air	A2.1	07/11/02
Air	A2.2	07/11/02
Air	A3.1	07/11/02
Air	A3.2	07/11/02
Air	A4.1	07/11/02
Air	A4.2	07/11/02
Air	A5.1	07/11/02
Water	W1	07/11/02
Water	W2	07/11/02
Water	W3	07/11/02
Water	W4	07/11/02
Water	W5	07/11/02
Water	W6	07/11/02
Water	W7	07/11/02
Sewer	S1	07/11/02
Energy	E1	07/11/02

END OF PERMIT