

**Environmental Protection Act 1990, Sections 12 (1)**

**Notice of Revocation**

To: The Company Secretary  
Jaguar Cars Ltd  
Browns Lane  
Coventry

Coventry City Council ('the council'), in exercise of the powers conferred on it by section 12 of the Environmental Protection Act 1990 ('the Act'), hereby gives you notice as follows:

1. The authorisation reference 052 for the re-spraying of road vehicles at Jaguar Cars Ltd, Browns Lane, Coventry is hereby revoked from 31<sup>st</sup> July 2005.

Signed on behalf of Coventry City Council

.....  
[Redacted Signature]  
Head of Environmental Health

Date..... 31/7/05 .....

**THE ENVIRONMENTAL PROTECTION ACT 1990**

**The Environmental Protection (Prescribed Processes and Substances) Regulations 1991, SI 472.**

**The Environmental Protection (Application, Appeals and Registers) Regulations 1991, SI 507.**

**Authorisation No: 052**

**Application Received: 30/09/93**

Notice is hereby given that under the Environmental Protection Act 1990 Coventry City Council (hereafter called the Authority) gives authorisation to:

**Jaguar Cars Ltd  
Browns Lane  
Coventry  
CV5 9DR**

**Register in England No: 1672070**

For the respraying of road vehicles as described on Pages 2, 6 and 9 at:

**Jaguar Cars Ltd  
Trim and Final Assembly Plant  
Browns Lane  
Coventry  
CV5 9DR**

Subject to the conditions specified on the attached pages, Nos 2 to 12, and within the process boundary as indicated on Plan No. 1.

Signed ..... Dated ..... day of ..... 2001.....  
City Environment Officer

## **A) PAINT RECTIFICATION SHOP**

### **1. DESCRIPTION OF PROCESS**

- 1.1 This authorisation is for the paint rectification of motor vehicles, as described in the Environmental Protection (Prescribed Processes and Substances) Regulations 1991, SI472, Section 6.5 Part B paragraph (b) within the process boundaries outlined in red on the attached plan numbered 1A and specifically relates to the processes outlined below.
- 1.2 The delivery and storage of paints, diluents and cleaning solvents in the storage areas as shown on plan numbered 1A.
- 1.3 The flattening of vehicles by hand.
- 1.4 The mixing of paints on the Du Pont mixing machine and by hand in the paint mix room as shown on the plan numbered 2, using self sealing pouring facilities.
- 1.5 The respraying of vehicles in the spot primer booth using primers employing high volume low pressure spray guns and in the colour coat booth and clear coat lacquer booth using two pack paints, as shown on the plan numbered 2, employing high volume low pressure spray guns.
- 1.6 The preparation of vehicles and components in the crash repair area and the respraying of vehicles in the Burntwood spraybake booth as shown on the plan numbered 2 using two pack paints and high volume low pressure spray guns.
- 1.7 The low temperature curing of paints in the infra red arches, the flash off zones and gas fired stoving oven, as shown on the plan numbered 2.
- 1.8 The low temperature curing of paints in the Burntwood spraybake booth as shown on the plan numbered 2.
- 1.9 Any change to the above descriptions must not take place without the prior consent from this Authority.

### **2. EMISSION LIMITS AND CONTROLS**

- 2.1 All emissions to air shall be free from offensive odour outside the site boundary, as perceived by the local Authority Inspector.
- 2.2 There shall be no emissions of particulate matter noticeable beyond the site boundary.
  - 2.2.1 All emissions to air, other than steam or condensed water vapour, shall be free from droplets, persistence mist and persistence fume.
- 2.3 Deleted.

2.3.1 All paints, diluents and cleaning solvents used in the process shall comply with the organic solvent specification as detailed in clause 32 of the Secretary of States Guidance Note PG6/34(97) (as amended except where compliance with the volatile organic compounds emission limit stated in clause 2.3.2 (b) can be demonstrated).

*(Compliance date 1st April 1998).*

2.3.2 The following concentrations of emissions to atmosphere shall not be exceeded.

- |  |   |   |
|--|---|---|
| (a)                                      | total particulate matter from the stacks serving the spot primer, colour coat, lacquer coat and Burntwood spraybake booths.   | 10mg/m <sup>3</sup>                         |
| <i>(Compliance date 1st April 1998).</i> |   |   |
| (b)                                      | volatile organic compounds (expressed as total carbon) from the stack serving tac-rag booth and the spot primer, colour coat, laquer coat and burntwood spraybake booths where coatings are in use that do not comply with clause 2.3.1 | 50mg/m <sup>3</sup><br>(two minute average) |
| (c)                                      | carbon monoxide from the incinerator  | 100mg/m <sup>3</sup>                        |
| (d)                                      | nitrogen oxides (measured as nitrogen dioxides) from the incinerator  | 100mg/m <sup>3</sup>                        |
| (e)                                      | volatile organic compounds from the incinerator   | 50mg/m <sup>3</sup>                         |

Except in accordance with clauses 13 and 14 of PG 6/23 – coating of metal and plastic.

2.4 The introduction of dilution air to achieve the emission concentration limits in this authorisation is not permitted. Exhaust flow rates should be consistent with the efficient capture of emissions.

2.5 The application equipment for all coatings, including the top coats of passenger cars, must be capable of achieving a paint transfer efficiency of at least 65%.  
*(Compliance date 1st April 1998).*

2.6 The Burntwood spraybake booth shall be fitted with a pressure gauge and booth extract shutdown system to warn of a booth over pressure situation. The booth shall only be used when the extract shutdown system is in good working order. This shall be tested at least once a month and any abnormalities acted upon before the next use of the booth. Results of the testing and any action taken shall be recorded in the log detailed in 3.4.

2.7 The air flow in the spot primer, colour coat and lacquer coat spraybooth shall be controlled by maintaining slight negative or neutral pressure in the spraying and oven areas and slight positive pressure at each end of the continuous booth. Daily monitoring of the air balance shall take place to ensure emissions are contained. Any imbalance shall be acted upon before the next use of the booth.

### 3. MONITORING SAMPLING AND MEASUREMENT OF EMISSIONS

3.1 A visual assessment of particulate emissions from the spray booths shall be carried out at least once a day while spraying operations are in progress. This shall be carried out by making an assessment of paint deposits at various positions around the process boundary.

3.2 An olfactory assessment of emissions of volatile organic compounds shall be carried out at least once a day at various positions around the process boundary.

3.3 The incinerator serving the stoving oven shall be monitored continually for incineration temperature, which shall be maintained at a minimum of 650°C.

3.3.1 Emissions from the spot primer, colour coat, lacquer coat and Burntwood Spraybake spray booths shall be tested for particulate matter at least once a year to demonstrate compliance with Clause 2.3.2(a).

3.3.2 Emissions from the stack serving the tac-rag booth and the spot primer, colour coat, lacquer coat and burntwood spraybake booths where coatings are in use that do not comply with clause 2.3.1 shall be tested for VOC's at least once every 12 months to demonstrate compliance with clause 2.3.2(b) above.

3.3.3 Emissions from the incinerator shall be tested for carbon monoxide, nitrogen oxides and volatile organic at least once per year to demonstrate compliance with clause 2.3.2 (c), (d) and (e).

3.4 The results of monitoring to comply with 3.1 and 3.2 shall be recorded in a log book. This shall include the date, time, the name of the observer and an assessment of the emissions. This log book shall be retained, on site, for a minimum of two years.

3.5 The results of monitoring to comply with 3.3 shall be kept available for inspection for a minimum of twelve months.

3.6 Any adverse results from the monitoring required in 3.1, 3.2 and 3.3 shall be followed up immediately by the investigation of the cause of the emission and any corrective action taken, with this also being recorded in the log book. Particular attention must be placed on the identification of the cause of any abnormal emissions.

3.7 A detailed record shall be kept of all organic solvents used in the prescribed processes. This shall include cleaning solvent usage, diluent solvent usage and

solvents contained within coatings used. The inventory shall detail any cleaning solvents that do not comply with the solvent specifications outlined in clause 2.3.1. This inventory shall be forwarded to the local Authority at least once every six months and shall include a determination for the total organic solvent usage for that period.

- 3.8 At least 14 days prior to the sampling required by clauses 3.3.1, 3.3.2 and 3.3.3 the operator shall notify the Local Authority of the provisional date and time sampling is to take place, the methods to be used and pollutants to be tested for. Sampling shall not take place without the prior written approval of the Local Authority.
- 3.9 The results of the sampling required by clauses 3.3.1, 3.3.2 and 3.3.3 shall be submitted to the Local Authority within 8 weeks of the sampling taking place.

#### **4. MATERIALS HANDLING**

- 4.1 The cleaning of spray guns and other equipment shall only be carried out through the use of a closed loop cleaning system. This shall only be carried out in the spraybooths which shall be in proper working order. Any solvent from the sprayout or testing of sprayguns following cleaning shall be collected into a separate receptacle within the spraybooth and disposed of according to clause 4.6.
- 4.2 The mixing of paint shall only be carried out in the area marked paint mix room as shown on the plan numbered 2. This shall only be done while the extraction system is in operation.
- 4.3 Deleted
- 4.4 Paint spraying shall only be carried out in the main spray booth or the Burntwood spraybake booth, which must be in proper working order.
- 4.5 All full, partially full and nominally empty containers which hold or have held materials which contain organic solvents must be stored in the paint mix room as shown on the plan numbered 2 or storage area as shown on the plan numbered 1A and be lidded.
- 4.6 All dirty solvents and other liquid wastes which contain volatile organic compounds shall be despatched for recycling to an approved contractor. Copies of receipts for despatched materials shall be retained for 4 years.

#### **5. CHIMNEYS, VENTS AND PROCESS EXHAUSTS**

- 5.1 Emissions from the spraying of coatings in the colour coat, clear lacquer and Burntwood booths shall only be emitted to atmosphere via their appropriate cascading water filtration systems.
- 5.2 Emissions from the spot primer booth shall only be emitted to atmosphere via their appropriate dry filter systems.

- 5.3 Emissions from the curing of coatings in the infra red arches and the flash off zones and shall only be emitted to atmosphere via their proper process exhausts.
- 5.4 Emissions from the curing of coatings in the main stoving oven shall be emitted to atmosphere via the incinerator.
- 5.5 Emissions from the Burntwood spraybake booth shall only be emitted to atmosphere via the proper process exhausts.
- 5.6 The final discharge point above ground level of the process stacks shown on plan numbered 5 shall be as follows:

- a) BL001, BL257, BL260A, BL260B      14 metres  
BL260C, BL261A, BL261B, BL261C
- b) BL80, BL81      14.9 metres
- c) BL258, BL259      14.7 metres
- d) BL252      11.3 metres

- 5.7 Deleted.
- 5.8 Deleted.

**6. GENERAL OPERATIONS**

- 6.1 Any mechanical malfunction or spillage of material shall be attended to and remedied as soon as possible. Any incident likely to give rise to atmospheric emissions shall be noted in detail in the process log book as described in 3.4.
- 6.2 Any incidents likely to give rise to emissions which may have an impact on neighbouring residents shall be reported as soon as practicable to this Authority.
- 6.3 A copy of this authorisation shall be displayed so it can be conveniently read by persons having duties which are or maybe affected by this authorisation.
- 6.4 The operator shall make available, to this Authority, without charge, a copy of all or part of the monitoring records kept in accordance with this authorisation.

**7. UPGRADING OF THE PROCESS**

- 7.1 Deleted.

7.2 Any proposed methods for non-continuous emission sampling for the purposes of complying with the authorisation shall be agreed in writing with this Authority.

Epa/amended/052



## **B. SERVICE PAINT SHOP**

### **1. DESCRIPTION OF PROCESS**

- 1.1 This authorisation is for the respraying of motor vehicles, as described in the Environmental Protection (Prescribed Processes and Substances) Regulations 1991, SI472, Section 6.5 Part B paragraph (b) within the process boundary outlined in red on the attached plan numbered 1A and specifically relates to the processes outlined below.
- 1.2 The delivery and storage of paints, diluents and cleaning solvents in the storage areas, as shown in the plan numbered 1A and plan numbered 3.
- 1.3 The flattening of vehicles.
- 1.4 The mixing of paints on the Du Pont mixing machines in the paint mix areas as shown in the plan numbered 3 using self sealing pouring facilities.
- 1.5 The spraying and low temperature bake curing of vehicles with conventional and two pack paints in 1 Burntwood spraybake oven, as shown on the plan numbered 3, employing high volume low pressure spray guns.
- 1.6 The stripping of paint from cans using a brushable paint stripping compound in the chemical strip bay, as shown on the plan numbered 3.
- 1.7 Any change to the above descriptions must not take place without the prior consent from this Authority.

### **2. EMISSION LIMITS AND CONTROLS**

- 2.1 All emissions to air shall be free from offensive odour outside the site boundary, as perceived by the local Authority Inspector.
- 2.2 There shall be no emissions of particulate matter noticeable beyond the site boundary.
  - 2.2.1 All emissions to air, other than steam or condensed water vapour, shall be free from droplets, persistent mist and persistent fume.
- 2.3 Deleted.
  - 2.3.1 All paints, diluents and cleaning solvents used in the process shall comply with the organic solvent specification as detailed in clause 32 of the Secretary of State's Guidance Note PG.6/34 (97) (as amended where compliance with the emission limit in clause 2.3.2 (b) can be demonstrated)  
*[compliance date 1st April 1998].*

- 2.3.2 The following concentrations of emissions to atmosphere shall not be exceeded.
- (a) Total particulate matter from the stacks serving the Burntwood spraybake booth. 10mg/m<sup>3</sup>  
*[compliance date 1st April 1998]*
  - (b) volatile organic compounds from the Burntwood spraybake booth during spraying operations (2 minute average) (expressed as total carbon)" 50mg/m<sup>3</sup>
- 2.4 The introduction of dilution air to achieve the emission concentration limits in this authorisation is not permitted. Exhaust flow rates should be consistent with the efficient capture of emissions.
- 2.5 The application equipment for all coats, including the topcoats of passenger cars, must be carried out using equipment capable of achieving a paint transfer efficiency of at least 65%.  
*[compliance date 1st April 1998].*
- 2.6 The Burntwood spraybake spray booth shall be fitted with a pressure gauge and booth extract shutdown system to warn of a booth over pressure situation. The booths shall only be used when the extract shutdown systems are in good working order. This shall be tested at least once a month and any abnormalities acted upon before the next use of the booth. Results of the testing and any action taken shall be recorded in the log book detailed in 3.3.

### 3. MONITORING SAMPLING AND MEASUREMENT OF EMISSIONS

- 3.1 A visual assessment of particulate emissions from the spray booth shall be carried out at least once a day while spraying operations are in progress. This shall be carried out by making an assessment of paint deposits at various positions around the process boundary.
- 3.2 An olfactory assessment of emissions of volatile organic compounds shall be carried out at least once a day at various positions around the process boundary.
- 3.2.1 Monitoring to demonstrate compliance with clauses 2.3.2 (a) and (b) shall be undertaken at least once every 12 months except in the case of the volatile organic compound emission limit where compliance with clauses 2.3.1 can be demonstrated.
- 3.3 The results of monitoring to comply with 3.1 and 3.2 shall be recorded in a log book. This shall include the date, time, the name of the observer and an assessment of the emissions. This log book shall be retained, on site, for a minimum of two years.
- 3.4 Any adverse results from the monitoring required in 3.1 and 3.2 shall be followed up immediately by the investigation of the cause of the emission and any corrective action taken, with this also being recorded in the log book.

- 3.5 A detailed record shall be kept of all organic solvents used in the prescribed processes. This shall include cleaning solvent usage, diluent solvent usage and solvents contained within coatings used. This inventory shall be forwarded to the local Authority at least once every six months and shall include a determination for the total organic solvent usage for that period.
- 3.6 At least 14 days prior to the sampling required by clause 3.2.1 the operator shall notify the Local Authority of the provisional date and time sampling is to take place, the methods to be used and pollutants to be tested for. Sampling shall not take place without the prior written approval of the Local Authority.
- 3.7 The results of the sampling required by clauses 3.2.1 shall be submitted to the Local Authority within 8 weeks of the sampling taking place.

#### **4. MATERIALS HANDLING**

- 4.1 The cleaning of spray guns and other equipment including spray out and testing of spray guns shall only be carried out in the fully enclosed gun wash machine in the paint mix area as shown on the plan numbered 3.
- 4.2 The mixing of paint shall only be carried out in the area marked paint mix area as shown on the plan numbered 3. This shall only be done while the extraction system is in operation.
- 4.3 Deleted
- 4.4 Spraying shall only be carried out in the spray booth while this is in proper working order.
- 4.5 All full, partially full and nominally empty containers which hold or have held materials which contain organic solvents must be stored in the paint mix area or paint store as shown on the plan numbered 3 or the waste storage compound, as shown on the Plan numbered 1A. All paint tins that are partially full must be stored on the Du Pont paint mixing racks.
- 4.6 All dirty solvents and other liquid wastes which contain volatile organic compounds shall be despatched for recycling to an approved contractor. Copies of receipts for despatched materials shall be retained for 4 years.

#### **5. CHIMNEYS, VENTS AND PROCESS EXHAUSTS**

- 5.1 Emissions from the spraying of coatings in the spray booths shall only be emitted to atmosphere via the cascading water filtration system.
- 5.2 Emissions from the curing of coatings in the Burntwood spraybake oven shall only be emitted to air via the proper process exhausts.
- 5.3 The final discharge point above ground level of stacks BL147 and BL148 shall be 10 metres.

5.4 Deleted.

## 6. **GENERAL OPERATIONS**

6.1 Any mechanical malfunction or spillage of material shall be attended to and remedied as soon as possible. Any incident likely to give rise to atmospheric emissions shall be noted in detail in the process log book as described in 3.3.

6.2 Any incidents likely to give rise to emissions, which may have an impact on neighbouring residents shall be reported as soon as practicable to this Authority.

6.3 A copy of this authorisation shall be displayed so it can be conveniently read by persons having duties which are or maybe affected by this authorisation.

6.4 The operator shall make available, to this Authority, without charge, a copy of all or part of the monitoring records kept in accordance with this authorisation.

## 7. **UPGRADING OF THE PROCESS**

7.1 Deleted.

7.2 Any proposed methods for non-continuous emission sampling for the purposes of complying with the authorisation shall be agreed in writing with this Authority.

**C) LIMOUSINE PAINT SHOP (SPECIAL VEHICLE OPERATIONS)**  
**CLAUSES 1 TO 7.2 INCLUSIVE ARE DELETED.**

Epa/amended/052

## **SUPPLEMENTARY NOTES**

### **THESE NOTES ARE NOT PART OF THE AUTHORISATION**

1. Your attention is drawn to your obligation under Section 7(2) of the Environmental Protection Act 1990 to ensure that the best available techniques, not entailing excessive cost (BATNEEC) for:
  - A) preventing the release of prescribed substances into the air or where that is not practicable by such means, for reducing the release into the air of such substances to the minimum and for rendering harmless any such substances that are so released  
  
and
  - B) for rendering harmless any other substances which might cause harm if released into the air.
2. The authority for contact purposes should be taken to mean the head of the Environmental Protection Section, Tel 76831832 during office hours, 76832222 outside office hours.