

# Permit With Introductory Note



The Pollution Prevention and Control Act 1999  
The Pollution Prevention and Control (England & Wales) Regulations 2010

**K R Rackham & Sons**  
**47 Boss Hall Road**  
**Ipswich**  
**IP1 5BN**

**LAPPC Permit Ref No: EP23/3**

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## Chronicle

Detail	Date	Comments
First Authorised	23 <sup>rd</sup> August 1993	6.5/5/CFB
Notice Requiring Information	15 <sup>th</sup> February 1995	6.5/1/RC
Variation Notice	23 <sup>rd</sup> March 1995	6.5/5/V1
Variation Notice	20 <sup>th</sup> August 1998	6.5/5/V2
LAPC Deemed Application	1 <sup>st</sup> April 2004	Duly Made
Temporary Permit	5 <sup>th</sup> May 2004	6.4/RJD/2
Consultation Permit	8 <sup>th</sup> February 2006	6.4/RJD/2/05
Permit Issued	26 <sup>th</sup> April 2006	1.2/SR/02/06
Varied Permit	1 <sup>st</sup> Nov 2012	EP23/3

Permit issued by:

Environmental Protection Services  
Ipswich Borough Council  
4<sup>th</sup> Floor West  
Grafton House  
15-17 Russell Road  
Ipswich  
IP1 2DE

Telephone: 01473 433039  
Fax: 01473 433062  
Website: [www.ipswich.gov.uk](http://www.ipswich.gov.uk)  
Email: [environmentalprotection@ipswich.gov.uk](mailto:environmentalprotection@ipswich.gov.uk)

## **INTRODUCTORY NOTE**

*This introductory note does not form part of the permit*

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2010, as amended, to operate a scheduled installation carrying out an activity, or activities covered by the description in sections 1.2B(d) in Part 1 to Schedule 1 of the PPC regulations, to the extent authorised by the Permit.

Conditions within this Permit detail Best Available Techniques (BAT), for the management and operation of the installation, to prevent, or where that is not practicable, to reduce emissions.

Aspects of the operation of the installation that are not regulated by conditions in this Permit are subject to BAT through the condition implied by regulation 12(10) of the PPC Regulations.

In determining BAT, the Operator should pay particular attention to relevant sections of the LAPPC Process Guidance note 6(34)11, and any other relevant guidance. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Note that the Permit requires the submission of certain information to the Regulator, and in addition, the Regulator has the power to seek further information at any time under Regulation 28 of the PPC Regulations provided that the request is reasonable.

### **Public Registers**

Information relating to Permits, including the application, is available on public registers in accordance with the PPC Regulations. Certain information may be withheld from the public registers where it is commercially confidential, or if it is in the interest of national security to do so.

### **Variations to the Permit**

The Regulator may vary the permit in the future, by serving a variation notice on the Operator. Should the Operator want any of the conditions of the Permit to be changed, a formal application must be submitted to the Regulator (the relevant forms are available from the Regulator). The Status Log that forms part of this introductory note 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.

### **Transfer of the Permit or Part of the Permit**

Before the Permit can be wholly or partially transferred to another Operator, an application to transfer the Permit has to be made jointly by the existing and proposed Operators. A transfer will not be approved if the Regulator is not satisfied that the proposed Permit holder will be the person having control over the operation of the installation, or will not comply with the conditions of the transferred Permit. In addition, if the Permit authorises the Operator to carry out a specified waste management activity, the transfer will not be approved if the Regulator does not consider the proposed Permit holder to be a 'fit and proper person' as required by the PPC Regulations.

### **Surrender of the Permit**

Where an operator intends to cease the operation of an installation (in whole or in part) the Regulator should be informed in writing. Such notification must include the information specified in Regulation 20(3) of the PPC Regulations.

### **Responsibility under Workplace Health and Safety Legislation**

The permit is given in relation to the requirements of the PPC Regulations. It must not be taken to replace any responsibilities an Operator may have under the workplace health and safety legislation.

### **Appeal Against Permit Conditions**

Any person who is aggrieved by the conditions attached to a Permit can appeal to the Secretary of State for Environment, Food & Rural Affairs. Appeals must be received by the Secretary of State no later than 6 months from the date of the decision (the date of the Permit).

Appeals relating to installations in England should be received by the Secretary of State for Environment, Food & Rural Affairs. The address is as follows:

**The Planning Inspectorate  
Environmental Appeals Administration  
Room 4/19 - Eagle Wing  
Temple Quay House  
2 The Square  
Temple Quay  
Bristol, BS1 PN**

The appeal must be in the form of a written notice or letter stating that the person wishes to appeal and listing the condition(s) which is/are being appealed against. The following five items must be included:

- (a) A statement of the grounds of appeal;
- (b) A copy of any relevant application;
- (c) A copy of any relevant Permit;
- (d) A copy of any relevant correspondence between the person making the appeal and the Council;
- (e) A statement indicating whether the appellant wishes the appeal to be dealt with.
  - by a hearing attended by both parties and conducted by an inspector appointed by the Secretary of State; or
  - by both parties sending the Secretary of State written statements of their case (and having the opportunity to comment upon one another's statements).

At the same time, the notice of appeal and documents (a) and (e) must be sent to the Council, and the person making the appeal should inform the appropriate Secretary of State that this had been done.

At the same time, the notice of appeal and documents (a) and (e) must be sent to the Council, and the person making the appeal should inform the appropriate Secretary of State that this has been done.

- An appeal will not suspend the effect of the conditions appealed against; the conditions must still be complied with.
- In determining an appeal against one or more conditions, the Act allows the Secretary of State in addition to quash any of the other conditions not subject to the appeal and to direct the local authority to either vary any of these conditions or to add new conditions.

### **Copyright of any Maps Provided with this Permit**

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### **Talking to us**

Please quote the Permit Number if you contact the Regulator about this permit. To give a notification, the Operator should telephone 01473 433012 or any other number notified in writing by the Regulator for that purpose.

*~ End of Introductory Note~*

# Permit

The Pollution Prevention and Control Act 1999  
The Pollution Prevention and Control (England & Wales) Regulations 2010

**LAPPC Permit Ref No: EP23/3**

Ipswich Borough Council in exercise of its powers under Regulation 10 of The Pollution Prevention and Control (England and Wales) Regulations, hereby authorises:

**K R Rackham & Sons**

Whose Registered Office is:

**K R Rackham & Sons  
47 Boss Hall Road  
Ipswich  
IP1 5BN**

to operate an installation at:

**K R Rackham & Sons  
47 Boss Hall Road  
Ipswich  
IP1 5BN**

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

Signature:

  
Ben Hunter  
Principle Environmental Health Officer

Date:

7/11/2012

Permit issued by:

Environmental Protection Services  
Room 409  
Ipswich Borough Council  
Civic Centre  
Civic Drive  
Ipswich  
IP1 2EE

Telephone: 01473 433115  
Fax: 01473 433062  
Website: [www.ipswich.gov.uk](http://www.ipswich.gov.uk)  
Email: [environmentalprotection@ipswich.gov.uk](mailto:environmentalprotection@ipswich.gov.uk)

## OPERATING CONDITIONS

### Process Description

The process is carried out by K R Rackham & Sons at 47 Boss Hall Road Industrial Estate, Ipswich.

The attached plans at Appendix I and II show the site boundary and the position of the booths and chimneys.

The major plant items comprise of two spraybake 5900W spray booths and one spraybake M1000W spray which discharge filtered emissions at 9 metres from ground level.

The burners heating the air for these ovens are natural gas fired and exhaust at a height of 7 metres. All aforementioned exhausts are in vertical chimneys ducted through the building roof.

The spray gun cleaning and mixing room areas are ventilated and emissions from here are discharged through a wall vent at a height of 2.9 metres.

The solvent store also houses a solvent recycling machine. The area is ventilated by four wall vents, two at heights of 0.5 metres and two at heights of 2 metres.

### Permit Conditions

#### Non-VOC emissions

The reference conditions for limits in this permit are 273.15K, 101.3Kfa, without correct for water vapour content unless stated.

Substance	Source	Emission limit/ provisions	Type of Monitoring	Monitoring Frequency
Particulate matter	From spray booths	10mg/Nm <sup>3</sup>	By guarantee supplied by spray booth construction or equipment supplier (with appropriate test evidence)	On initial installation, refurbishment or replacement
	Abrasive blasting equipment and other sources except spray booths	50mg/Nm <sup>3</sup>	Manual extractive testing in accordance with BS ISO 9096:2003 (where not internally vented)	

1. The introduction of dilution air to achieve emission concentration limits shall not be permitted. Dilution air may be added for waste gas cooling or improved dispersion where justified, but this must not be considered when determining the mass concentration of the pollutant in the waste gases.
2. The operator shall implement a maintenance schedule a copy of which shall be made available to the regulator upon request.
3. Dusty wastes shall be stored in closed containers.
4. Dry sweeping of dusts and dusty wastes shall not be used.
5. The operator shall keep records of inspections, tests and monitoring in relation to the provisions of the table above. In such cases:
  - current records shall be kept on site and made available for the regulator to examine
  - records shall be kept by the operator for at least two years
6. The operator shall notify the regulator at least 7 days before any periodic monitoring exercise to determine compliance with the abrasive blasting particulate emission limit values. The operator shall state the provisional time and date of monitoring, pollutants to be tested and the methods to be used.
7. Within 8 weeks of the completion of monitoring activities, the results of non-continuous emission testing shall be forwarded to the regulator.
8. In the event of any adverse results from any monitoring activity in relation to the provisions of the above table, the operator shall investigate as soon as the results are obtained/received. The operator shall:
  - identify the cause and take corrective action
  - record as much detail as possible regarding the cause and extent of the problem
  - record the action taken by the operator to rectify the situation
  - re-test to demonstrate compliance as soon as possible and
  - notify the regulator
9. In the case of abnormal emissions, or malfunction or breakdown leading to abnormal emissions, the operator shall:
  - investigate immediately and undertake corrective action
  - adjust the process or activity to minimise those emissions and
  - promptly record the events and actions taken
  - notify the regulator without delay, if the emission is likely to have an effect on the local community

## VOC emissions

10. Surface preparation and painting operations shall be carried out using only coating (as identified by a label on the container containing the following information -a description of the product by identification of the contents as a subcategory of Directive 2004/42/CE, the relevant VOC limit values in g/l as referred to in Annex II of Directive 2004/42/CE and the maximum content of VOC in g/l of the product in a ready to use condition "). For information, the individual bodyshop products that are covered by this permit are listed in Appendix 3 of Process Guidance Note 6/34 (11).
11. The products used in coating shall be prepared and applied in accordance with the suppliers' instructions. Under no circumstances shall the product be thinned with more than the supplier's stated quantity or percentage of thinner. For information, the maximum, application-ready VOC contents for individual categories of products are listed in Appendix 4 of Process Guidance Note 6/34 (11).
12. All paint spraying operations shall be carried out in a totally enclosed booth under negative pressure, to prevent fugitive emissions of VOCs.
13. Spray applied coatings shall be applied to passenger cars using the following method:
  - high volume low pressure (HVLV) (maximum atomisation pressure 67.5kPa) spraying equipment;
14. Spray applied coatings shall be applied to commercial vehicles using one of the techniques in Condition 3.5 of PGN 6/34 (11) or using airless spraying equipment.
15. All spray guns and equipment cleaning shall be carried out in an automatic, totally-enclosed equipment cleaning machine or any other equipment cleaning machine which can achieve comparable or lower emissions. The cleaning machine shall be provided with the minimum of exhaust ventilation that is necessary to prevent the fugitive emission of organic solvent vapour when the machine is opened for introduction or removal of equipment, or for the changing of cleaning solvent.
16. All spray gun testing and sprayout following cleaning shall be carried out in either an equipment cleaning machine with the extraction running or into a chamber which is provided with extraction which is running in accordance with a written procedure a copy of which shall be made available to the regulator upon request.
17. Cleaning solvents shall be dispensed by a piston type dispenser or similar contained device, when used on wipes.
18. Pre-impregnated solvent wipes shall be held within an enclosed container prior to use.
19. Solvent contaminated wipes and other wastes shall be handled in accordance with a written procedure a copy of which shall be made available to the regulator upon request.
20. Organic solvent containment and spillage equipment shall be readily available in all organic solvent handling areas.
21. All solvent containing coatings, thinners and related materials and equipment cleaning materials shall be stored



- in the containers in which they were supplied, with the lid securely fastened at all times other than when in use
- within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container
- away from sources of heat

*For information, these conditions should not conflict with the requirements of occupational health and safety regulations*

22. All solvent containing wastes shall be stored
  - in suitable sealed containers with a securely fastened lid, and labelled so that all that handle them are aware of their contents.
  - within spillage collectors, of suitable impervious and corrosion-proof materials and capable of containing 110% of the largest container
  - away from sources of heat
23. Cleaning operations involving organic solvents shall be reviewed every [two] years, to identify opportunities for reducing VOC emissions. This will include identification of cleaning steps that can be eliminated or alternative cleaning methods. The regulator shall be provided with a report on the conclusions of the review, within eight weeks of it being completed.
24. Spares and consumables, particularly those subject to continual wear shall be held on site, or shall be available at short notice from guaranteed suppliers, so that spraybooth and abrasive blasting plant breakdowns can be rectified rapidly.
25. Waste solvents and waste coatings shall be recycled site. [Copies of receipts of waste materials sold for recycling shall be kept for three years].

#### **Visible and odorous emissions**

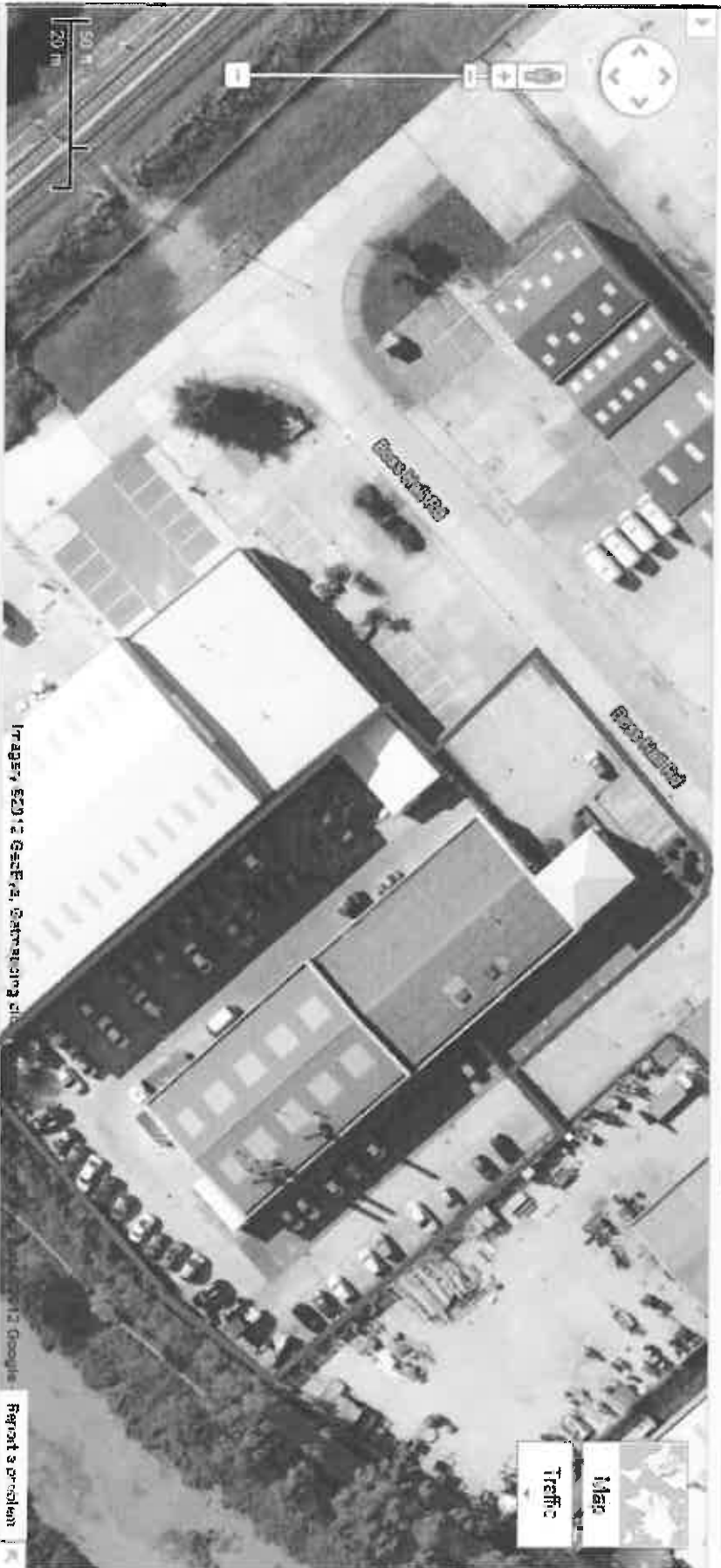
26. All releases to air, other than condensed water vapour, shall be free from persistent visible emissions.
27. All emissions to air shall be free from droplets.
28. There shall be no offensive odour beyond the site boundary, as perceived by the regulator.
29. Emissions from combustion processes shall in normal operation be free from visible smoke and in any case shall not exceed the equivalent of Ringelmann Shade 1, as described in British Standard BS 2742:1969.

#### **General Conditions**

30. All emissions from the spray booths shall be emitted from the two chimneys. The stacks shall be 9.5m above ground level.
31. Staff at all levels shall receive the necessary training and instruction in their duties relating to control of the process and emissions to air.
32. A record of staff training and instruction shall be maintained by the operator and shall be available to the regulator on request.
33. A written record of all maintenance carried out in accordance with Condition 2 shall be made available for inspection by the regulator.

## Appendix I – Site Boundary





Imagery ©2012 Google, ©2012 Google

Refresh & print map

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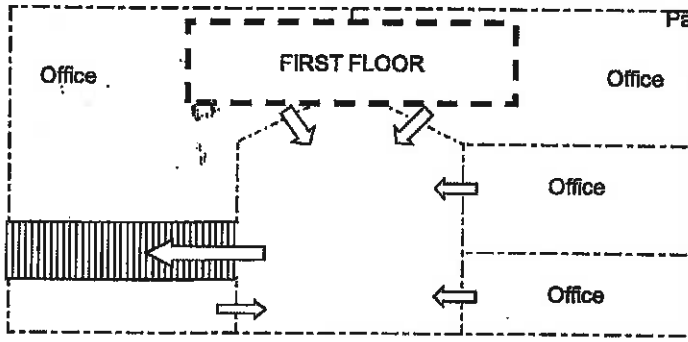
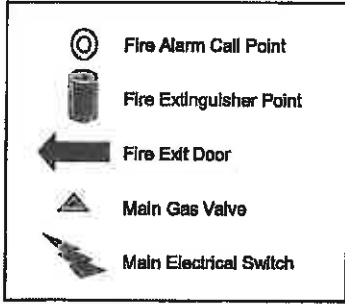


## Appendix II - Site Layout

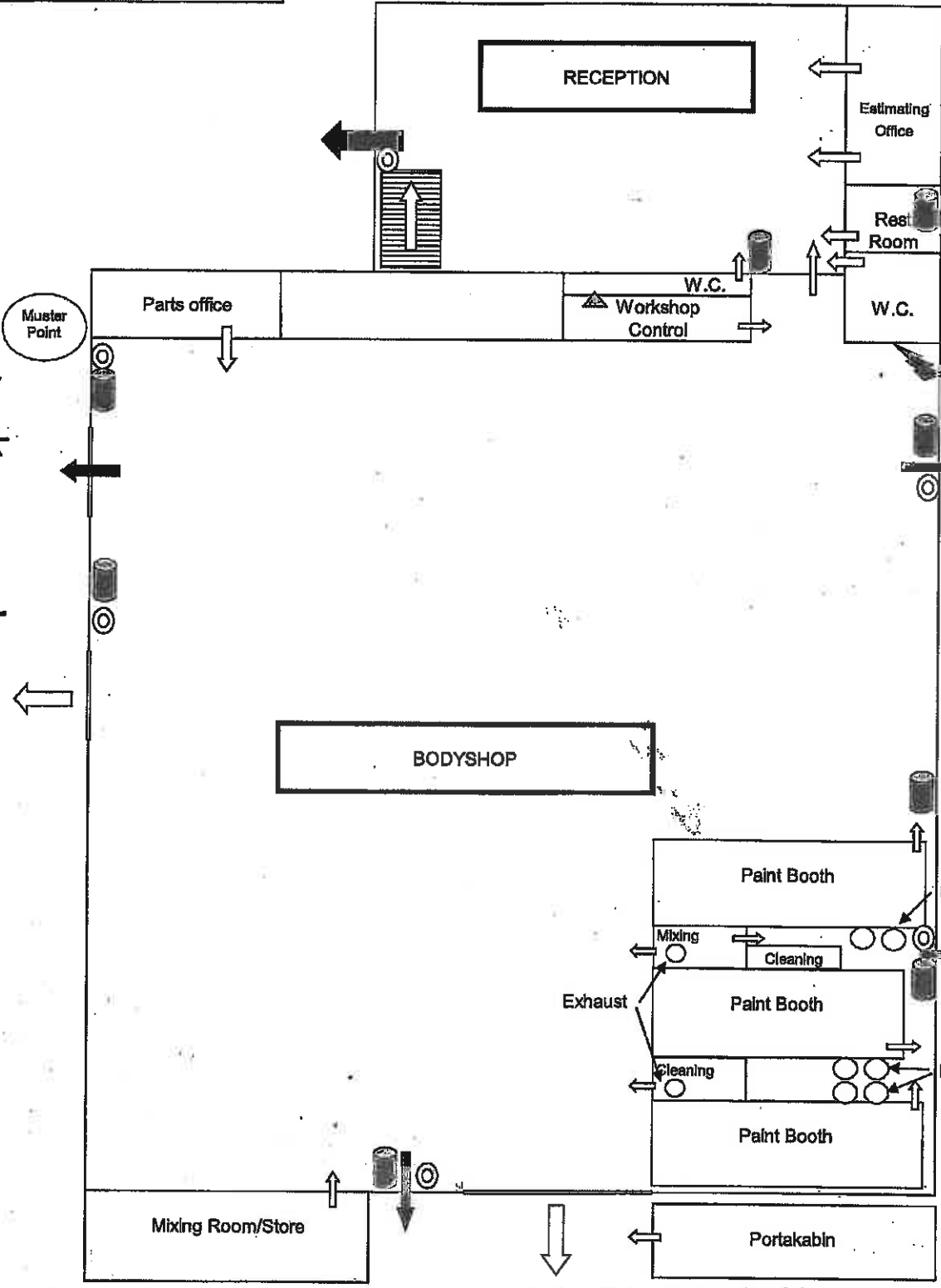




# BOSS HALL ROAD



↑ TO TRAIN LINE  
+ CERAMIC TILES



TO FACTORY ETC.

TO RIVER GIPPING

