

ENVIRONMENTAL PROTECTION ACT 1990, PART 1
THE ENVIRONMENTAL PROTECTION (PRESCRIBED PROCESSES
AND SUBSTANCES) REGULATIONS 1991 SI []
THE ENVIRONMENTAL PROTECTION (APPLICATIONS, APPEALS
AND REGISTERS) REGULATIONS 1991 SI []

APPLICATION FOR AUTHORIZATION UNDER SECTION 6 OF THE
ENVIRONMENTAL PROTECTION ACT 1990

1. Either Name and address of applicant*

NOVA PRESSALL LTD
.....
186 TORRINGTON AVENUE
.....
TILE HILL
.....
COVENTRY CV4 9AJ
.....

OR Name, number and registered office of applicant
company* (if applicable)

.....
.....
.....
.....

* the person/company who will operate the process, not
e.g the person/consultant who is writing the
application on the operator's behalf.

2. Name and address of premises where process is or will be
carried on (not applicable to mobile processes)

AS ABOVE
.....
.....
.....
.....

3. Address for correspondence if different from 1

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.....
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.....

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- list of prescribed substances (and any other substances) which might cause harm if released into the air) used in connection with or resulting from the prescribed process
- ✓ description of the techniques to be used for preventing releases into the air of such substances/ for reducing such substances to a minimum and for rendering harmless any such substances that are released
- ✓ details of any proposed release of such a substance into the air and an assessment of the environmental consequences
- proposals for monitoring any release of such substances, the environmental consequences of any such release and the use of techniques for preventing (etc)?? releases
- Ⓣ the matters on which the applicant relies to establish that the objectives in section 7(2) of the Act will be achieved and that he will be able to comply with the condition implied by section 7(4) of the Act

The applicant may also supply any other information he wishes the Local Authority to take into account in considering his application.

Fee enclosed (cheques to be made payable to
 ...COVENTRY CITY..... Council)
~~£ 985-00 (correct to March 1995)~~
 £ 990-00 (APRIL 1995)

I hereby certify that all the information contained in this application is, to the best of my knowledge, correct.

.....
 [Redacted Signature] (Signature)

 3RD APRIL 1995 (Date)

4. List of maps or plans enclosed with the application showing the location of the premises where the process is or will be carried on.

LOCATION MAP

 SITE PLAN

Where the process is or will be carried on only part of the premises whose address is given at 2 above, either describe which part of the premises or list the plan(s) which identifies these parts.

.....

- X 5. List of attached documents comprising part of the application,**

PROCESS DESCRIPTION SHEET

 SAFETY DATA SHEETS: 3377502

 2149548

 2144205

 3187200

 4065011

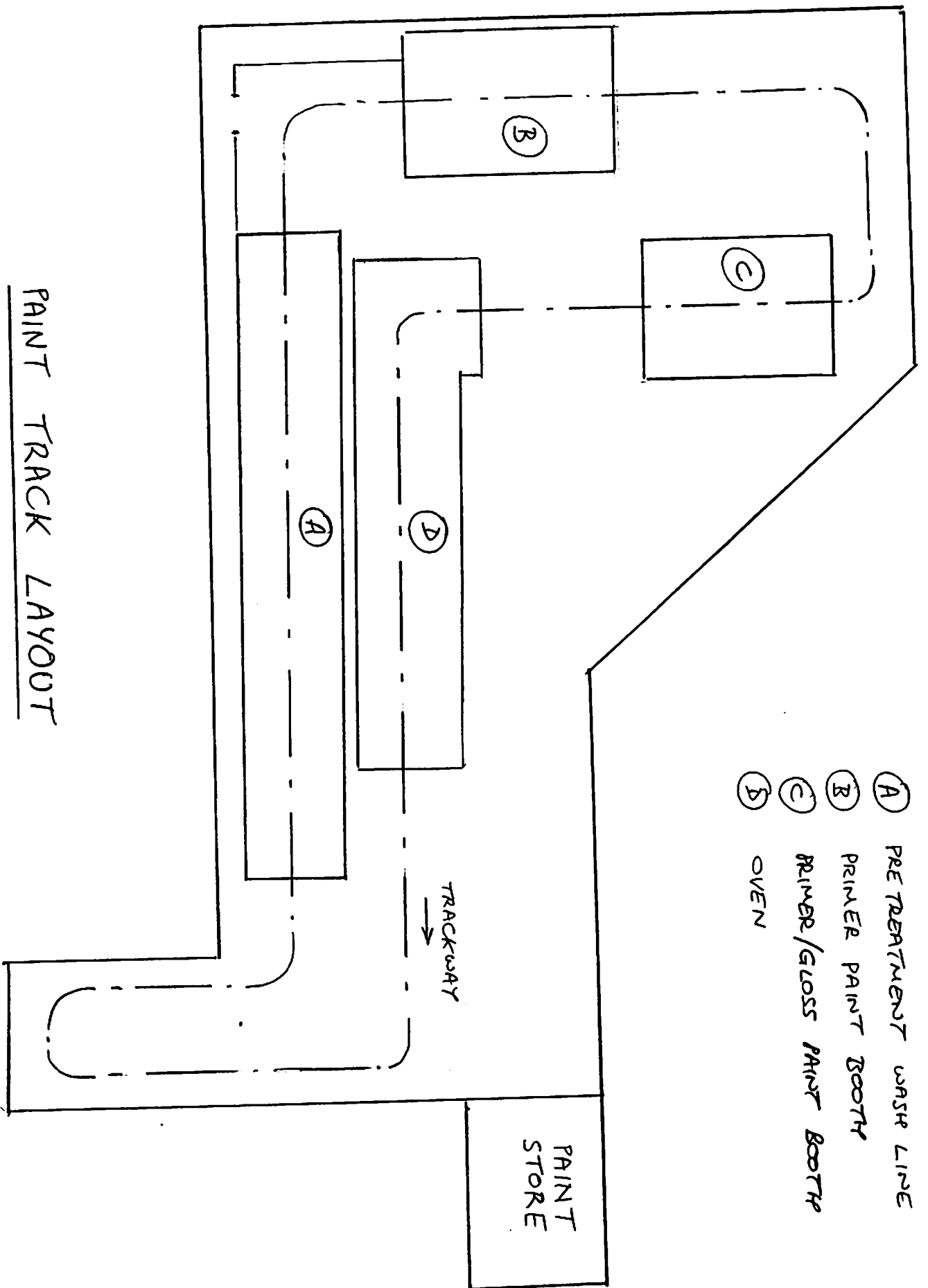
 4007013

 4018000

(use continuation sheet if necessary)

** Regulation 2 of the Environmental Protection (Applications, Appeals and Registers) regulations 1991 requires that all applications must include the following information (for guidance on these requirements see General Guidance note No 3) - "Secretary of State's Guidance: Application and Registers", HMSO. 1991):-

- description of the prescribed process .



- Ⓐ PRE TREATMENT WASH LINE
- Ⓑ PRIMER PAINT BOOTH
- Ⓒ PRIMER/GLOSS PAINT BOOTH
- Ⓓ OVEN

PAINT TRACK LAYOUT

PLAN 2 A

Your Reference :
Our Reference :
Please ask for :
Direct Dialling No :
Date :

11/04/95
ONLY



HOUSING AND ENVIRONMENTAL SERVICES DIRECTORATE

Director Howard T. Farrand
Providing Housing, Environmental and Client Agency Services

Michael J. Green
City Environment Officer
Broadgate House
Broadgate
Coventry, CV1 1NH

Telephone : 01203 83 1832 34
Telecom Gold Mailbox : 7e - END042
Fax : 01203 83 1831

THE ENVIRONMENTAL PROTECTION ACT 1990

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

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

Authorisation No: 079

Application Received : 5th April 1995

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

Nova Fabrications Ltd
186 Torrington Avenue
Tile Hill
Coventry
CV4 9AJ

Registered in England No: 1153029

For the coating of metal as described on Page 2 at:-

Nova Fabrications Ltd
186 Torrington Avenue
Tile Hill
COVENTRY
CV4 9AJ

Subject to the conditions specified on the attached pages, Nos 1 to 4, and within the process boundary as indicated on Plan No. 1.

Signed..... Dated..... day of..... 199..
City Environment Officer



1. PROCESS DESCRIPTION

- 1.1 This authorisation is for the surface treatment of metal tractor parts, as described in the Environmental Protection (Prescribed Processes and Substances) Regulations 1995, SI472, Schedule 1, Section 6.5, Part B, paragraph (a) within the process boundary outlined in red on the attached plan numbered 1 and specifically relates to the process outlined below.
- 1.2 The delivery and storage of paints, diluents and cleaning solvents in the paint store as shown on the plan numbered 1.
- 1.3 The 5 stage pre-treatment of off road vehicles parts by spraying with liquid alkali cleaner, water rinse, high build iron phosphate, water rinse, water rinse with chrome free rust inhibitor.
- 1.4 The paint spraying of off road vehicle parts in two down draught spraying areas, as shown on the plan numbered 2A, employing automatic mix, air assisted airless and HVLP spray guns.
- 1.5 The flash-off and curing of paints in the curing oven D as shown on the plan numbered 2A.
- 1.6 Deleted
- 1.7 Any change to the process as described above must not take place without the prior consent from this Authority.

2. EMISSION LIMITS AND CONTROLS

- 2.1 All emissions to air from the process stacks other than steam or water vapour shall be colourless and free from persistent mist.
- 2.2 All emissions to air from the process stacks shall be free from persistent fume and free from droplets.
- 2.3 All emissions to air shall be free from offensive odour outside the process boundary, as perceived by the Local Authority Inspector.
- 2.4 There shall be no emissions of particulate matter noticeable beyond the process boundary.
- 2.5 All paints, diluents and cleaning solvents used in the process shall comply with the organic solvent specification as detailed in Clause 20 of the Secretary of States Guidance Note PG6/23(97) (as amended).
- 2.6 The following emissions to atmosphere shall not be exceeded.
 - (a) Total particulate matter from the stacks serving the spraying areas 50mg/m³
 - (b) Isocyanates from the stacks serving the spraying areas (expressed as total NCO) 0.1mg/m³
- 2.7 The application equipment for all coatings shall be capable of achieving a paint transfer efficiency of at least 65%.
- 2.8 The two down draught spraying areas shall be maintained at negative pressure to minimise fugitive loss.

- 5.3 The height of the stacks serving the spraying areas shall be 3 metres above ground level.
- 5.4 The linear velocity within the stacks serving the spraying areas shall not exceed 9m/s.
- 5.5 The stacks serving the spraying areas shall discharge vertically and shall not be fitted with any restriction at the final opening.

6. GENERAL OPERATIONS

- 6.1 Any mechanical malfunction or spillage of material shall be attended to and remedied as soon as possible. Any spillages of organic solvents must be cleaned up using absorbent material held on site. Soiled material shall be stored in sealed containers prior to removal. 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 immediately to the Local 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 supply, to the Local Authority, on demand and 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.

3. MONITORING SAMPLING AND MEASUREMENT OF EMISSIONS

3.1 Deleted

3.2 Deleted

3.2.1 Emissions from the 2 spraying areas shall be tested for total particulate matter at least once a year to demonstrate compliance with clause 2.6(a) above.

3.2.2 Emissions from the 2 spraying areas shall be tested for isocyanates at least once a year to demonstrate compliance with clause 2.6(b) above.

3.3 Results of all periodic monitoring, including that required to demonstrate compliance with clause 2.6 above, shall be recorded in a log book. This log book shall be retained on site for a minimum of 2 years and be made available to this authority on request.

3.4 Any adverse results from the periodic monitoring shall be investigated immediately to identify the cause. Corrective action shall be taken as necessary and shall be recorded in the log book referred to in clause 3.3.

3.5 A detailed record shall be kept of all organic solvents used in the prescribed process. 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 twelve months and shall include a determination for the total organic solvent usage for that period.

check

4. MATERIALS HANDLING AND PROCESSING

4.1 The spraying of paint shall only take place in the designated spray areas as described in 1.4 above.

4.2 The cleaning of spray guns and other equipment shall only be carried out in the sprayareas, which should be in proper working order.

4.3 Spray gun testing, following cleaning shall only be carried out in the sprayareas. This shall only be undertaken while the sprayareas are in proper working order.

4.4 All full, partially full and nominally empty containers which hold or have held materials which contain organic solvents must be stored in the paint store as shown on the plan numbered 2A. All such containers shall be lidded or be in a covered skip.

4.5 All dirty solvents and other liquid waste which contain volatile organic compounds shall be recycled through the on site recycling plant, located in the paint mix room.

5. CHIMNEY, VENTS AND PROCESS EXHAUSTS

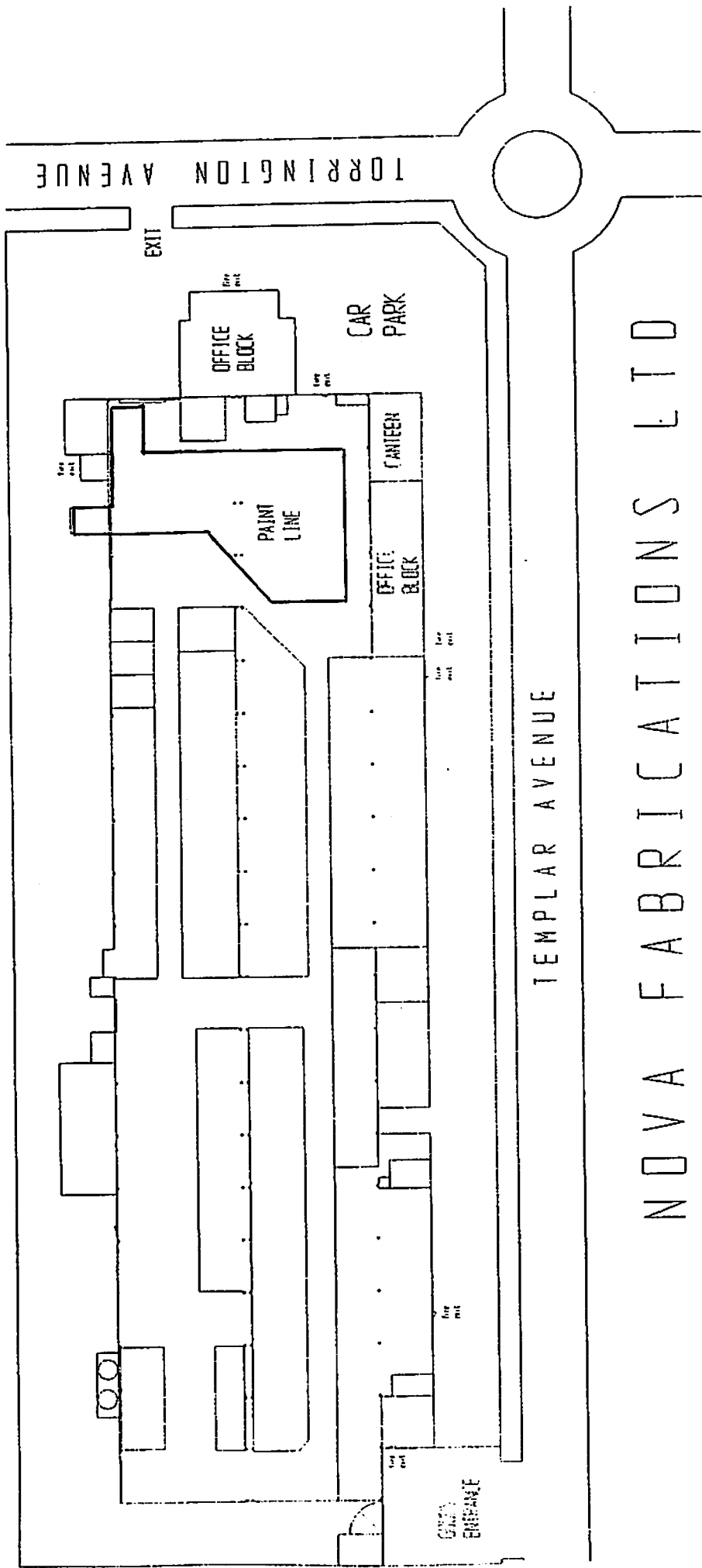
5.1 Emissions from the spraying of coatings in the spray areas shall only be emitted to atmosphere via the appropriate down draught water filtration systems, as labelled B and C on the plan numbered 2A.

5.2 Emissions from the curing of coatings in the curing oven shall only be emitted to atmosphere via the proper process exhausts, as labelled D on the plan numbered 2A.

SUPPLEMENTARY NOTES

This is 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) For 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 a minimum and for rendering harmless any such substances which 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 Pollution Control Section, of the Department of Housing and Environmental Services, telephone 831834 during office hours, 832222 outside office hours.
3. You will note that condition 7.1 of the Authorisation requires you to submit a schedule of works for approval by this Authority, within six months of the issue date. This schedule must describe the procedures and improvements that you intend to implement in order to meet the requirements of the relevant guidance note referenced within the authorisation. From observations and inspections of the process I would recommend that the following topics are specifically included.
 - a) The results of non-continuous emission sampling of emissions from the spray booths to indicate what improvements (if any) are required to ensure compliance with the emission limits stated in the process Guidance Note. Any proposed methods for non-continuous emission sampling should be agreed in writing with this Authority.
 - b) The proposed frequency of further non-continuous emission sampling, taking into account the results of the initial monitoring exercise.
 - c) The increase in height of the final discharge points from the spray booths according to the requirements of the Process Guidance Note. This should include a calculation of the proposed ground level pollutant concentration around the prescribed process.
 - d) An initial indication of the intended options for emissions of volatile organic compounds to be pursued according to Clause 18 of the Process Guidance Note.
 - e) Any other matter detailed within the Secretary of state's Guidance Notes on Coating of Metal and Plastic.



NOVA FABRICATIONS LTD

SITE PLAN

(NOT TO SCALE)

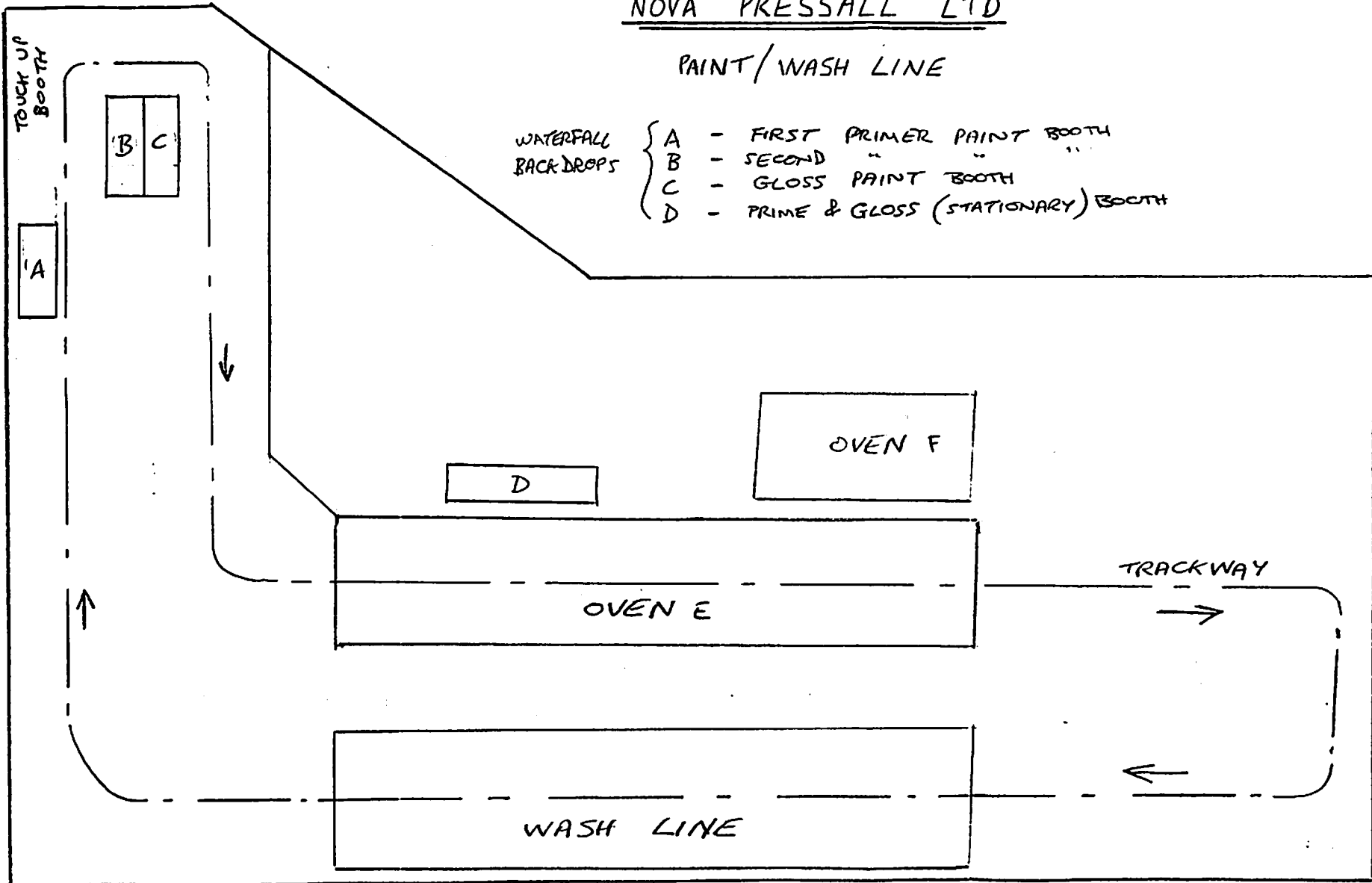
PLAN 1

PLAN 2

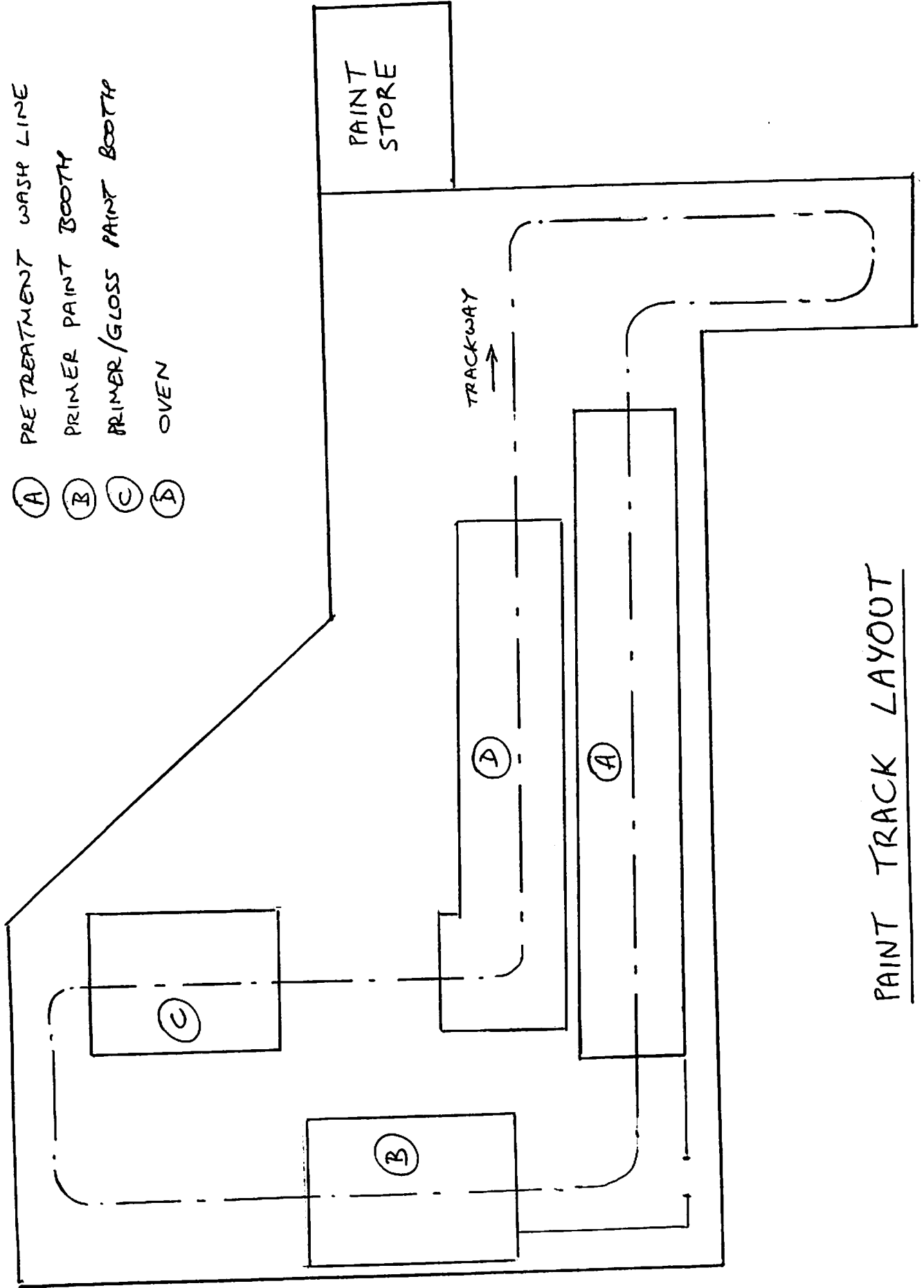
NOVA PRESSALL LTD

PAINT/WASH LINE

- WATERFALL BACKDROPS
- { A - FIRST PRIMER PAINT BOOTH
 - { B - SECOND " " " "
 - { C - GLOSS PAINT BOOTH
 - { D - PRIME & GLOSS (STATIONARY) BOOTH

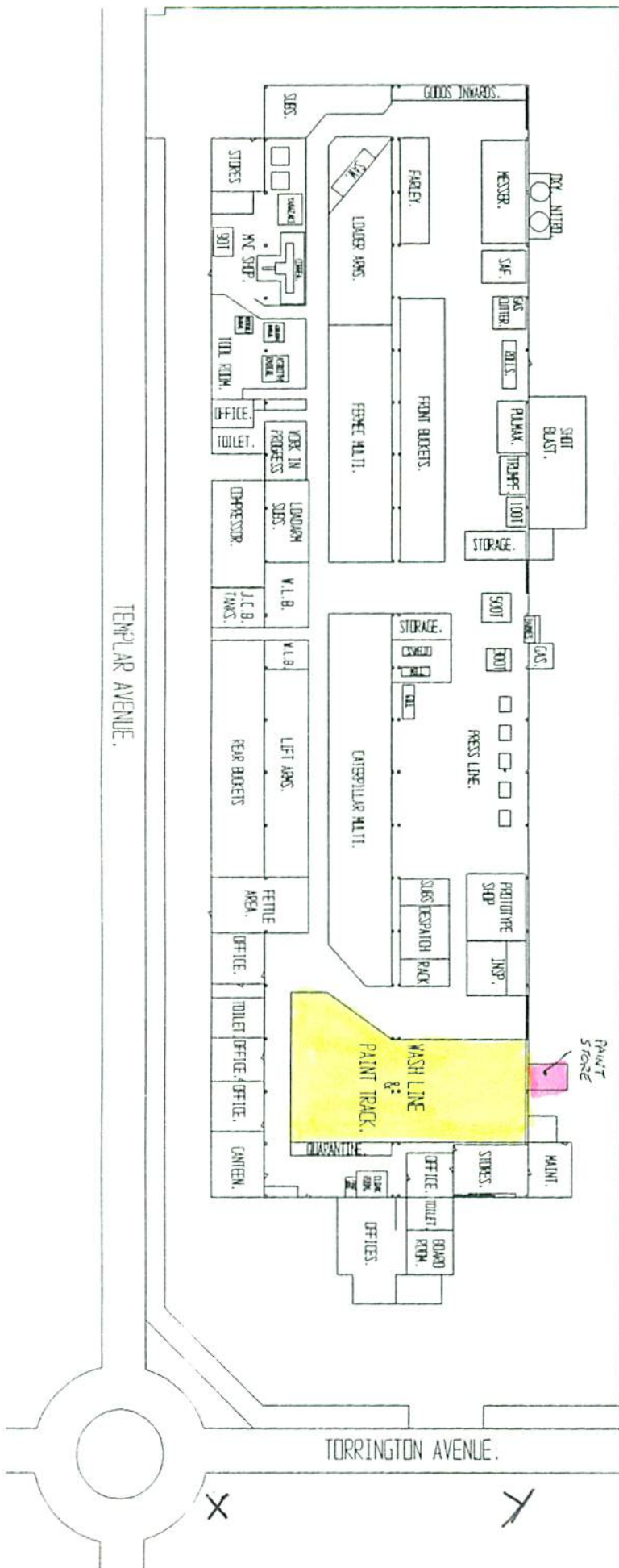


- (A) PRE TREATMENT WASH LINE
- (B) PRIMER PAINT BOOTH
- (C) PRIMER/GLOSS PAINT BOOTH
- (D) OVEN



PAINT TRACK LAYOUT

NOVA PRESSALL PROPOSED LAYOUT
BY APRIL 1995.



ENVIRONMENTAL PROTECTION ACT 1990, Part I

The Environmental Protection (Prescribed Processes and Substances) Regulations 1991
 The Environmental Protection (Applications, Appeals and Registers) Regulations 1991

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See Notes on pages 3 and
 4 before completing this
 form.

NOTIFICATION OF PROPOSED CHANGE to prescribed process under section 11(1) of the Environmental Protection Act 1990

To(1) CITY OF COVENTRY Council

1 Name and address (2) (in the case of a registered Company, name, number and registered office)

NOVA FABRICATIONS LTD. REG.No. 1153029
REG. OFFICE - KELLIER HOUSE, WYCHBURY COURT, TWO WOODS LANE,
BRIERLEY HILL DYS ITA Tel.No. 01384 263123

2 Name and address of premises where process is or will be carried on (not applicable to mobile processes)

NOVA FABRICATIONS LTD
186 TORRINGTON AVENUE
TILE HILL, COVENTRY CV4 9AJ Tel.No. 01203 467021

3 In the case of mobile plant, name and address of the principal place of business

N/A

Tel.No.

4 Address for correspondence relating to this notification

NOVA FABRICATIONS LTD
186 TORRINGTON AVENUE
TILE HILL, COVENTRY CV4 9AJ

Contact name KEVIN CROWLEY Tel.No. 01203 467021

5 List of maps or plans enclosed with the application showing the location of the premises where the process is or will be carried on.

TITLE	Reference No.
<u>NOVA FABRICATIONS LTD SITE PLAN</u>	<u>PLAN 1</u>
<u>PAINT TRACK LAYOUT</u>	<u>PLAN 2A</u>

Where the process is or will be carried on on only part of the premises whose address is given at 2 above, describe which part of the premises and list the plan(s) which identify(ies) this part or these parts.

THE PROCESS WILL ONLY TAKE PLACE WITHIN THE PAINT LINE
AREA AS SHOWN ON 'PLAN 1' AND 'PLAN 2A'.

6 Describe the proposed change(s) to the prescribed process (3) (use a continuation sheet if necessary)

- ① REPLACEMENT OF FOUR INEFFICIENT WET BACK SPRAY BOOTHS WITH TWO NEW DOWN DRAUGHT SPRAY BOOTHS. ② INSTALLATION OF ENCLOSED PAINT MIX ROOM WITH EXTRACTION TO MAIN EXHAUST STACK. ③ INTRODUCTION OF COMPLIANT COATINGS.

7 When was the plant first installed?

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Please also give the details and dates of any major modifications or improvements which have been carried out.

8 List the prescribed substances (and any other substances which might cause harm) used in connection with or which might be released into the air resulting from the proposed change.

SOLVENTS

VOC'S

PARTICULATES

9 Describe the techniques to be used for preventing releases into the air of substances listed above, for reducing such substances to a minimum and for rendering harmless any such substances that are released (use a continuation sheet if necessary and attach drawings of plant and equipment, where appropriate)

PAINT SPRAY BOOTHS ARE OF THE DOWN DRAUGHT WATER WASH TYPE.

ALL PAINTS USED ARE COMPLIANT COATINGS.

10 Give details of the source, nature and amount of current and/or anticipated emissions to air resulting from the proposed change. (use a continuation sheet if necessary)

THE SOURCE OF ANY EMISSIONS WILL BE FROM OUR PAINT SPRAYING PROCESS WHICH ENTAILS NO CHANGE.

11 Give the assessment of the likely environmental consequences of the emissions to air. (use continuation sheet if necessary)

ALL EMISSIONS WILL BE VIA OUR TWO EXTRACTION STACKS WHICH EXTEND TO 3 METRES ABOVE ROOF RIDGE LEVEL TO COMPLY WITH THE REQUIRED PARTICULATE DISPOSAL CRITERIA.

12 What monitoring is or will be carried out of emissions to air?

ANNUAL MONITORING WILL BE CARRIED OUT, BY AN APPROVED QUALIFIED PERSON, TO MEASURE PARTICULATE CONCENTRATION.

13 What monitoring will be carried out of the environmental consequences of emissions to air?

ANNUAL MONITORING OF STACK EMISSIONS

14 How will you monitor the techniques described in the answer to question 9?

A ROUTINE MAINTENANCE PROGRAM WILL BE CARRIED OUT TO MAINTAIN THE EFFICIENCY AND EFFECTIVENESS OF ALL EQUIPMENT CONCERNED WITH THE PROCESS.

15 State how you will ensure that the objectives listed in section 7(2) of the Environmental Protection Act 1990 will be achieved and how the condition implied by section 7(4) of the Act will be complied with. (3)

- ① ONLY 'COMPLIANT' COATINGS WILL BE USED
- ② EXHAUST STACKS WILL HAVE A FINAL DISCHARGE POINT 3 METRES ABOVE ROOF RIDGE LEVEL.
- ③ ALL EMISSIONS WILL FIRST PASS THROUGH THE DOWN DRAUGHT WATER WASH.
- ④ ALL COATINGS ARE FORCED 'AIR DRYING' AS OPPOSED TO 'STOVING' COATINGS.

16 If you have any proposals for improvements which might prevent or reduce emissions, please give details. (use a continuation sheet if necessary)

THE INTRODUCTION OF A SOLVENT RECYCLING APPARATUS HAS RECENTLY BEEN INTRODUCED.

17 Give any other additional information which you would like to be taken into account by the local authority in considering your proposed change.

OUR MAIN CUSTOMER WILL BE COMMENCING PAINTING OF A MAJOR PART OF THE PRODUCTS WHICH WE SUPPLY TO THEM DURING 1999. THIS WILL CAUSE A LARGE REDUCTION IN THE AMOUNT OF PAINT SPRAYING CARRIED OUT AT OUR SITE.

Official guidance on the best available techniques not entailing excessive cost is published by the Department of the Environment in the process guidance notes for specific industries, copies of which are available from HMSO or can be ordered from certain bookshops. YOU ARE ADVISED TO CONSULT THE PROCESS GUIDANCE NOTE FOR YOUR INDUSTRY BEFORE COMPLETING THIS FORM. YOU MIGHT ALSO FIND IT USEFUL TO READ THE GENERAL GUIDANCE NOTE GG3.

If you require any further information or assistance in completing this form, please contact your local Council at the address shown below.

Please complete the final section of this form on page 4 overleaf.

I request the Council to make a determination, in relation to the proposed change to the authorisation granted to me by the Council on the 24th OCTOBER 1995, under reference 079 of the matters specified in section 11(2) of the Environmental Protection Act 1990.

I HEREBY CERTIFY that all the information contained in this notice is correct to the best of my knowledge and belief [and that I am authorised to sign on behalf of the Company].

Signature 

Official title SAFETY OFFICER

Date 9th FEBRUARY 1999

Please complete and return this form together with FOUR copies of each of the plans listed in the reply to question 5 to:

Tel.No. 01203 467021

NOTES

1 This is the local authority in whose area the prescribed process is or will be carried on, or in the case of mobile plant, the local authority in whose area the applicant has his principal place of business.

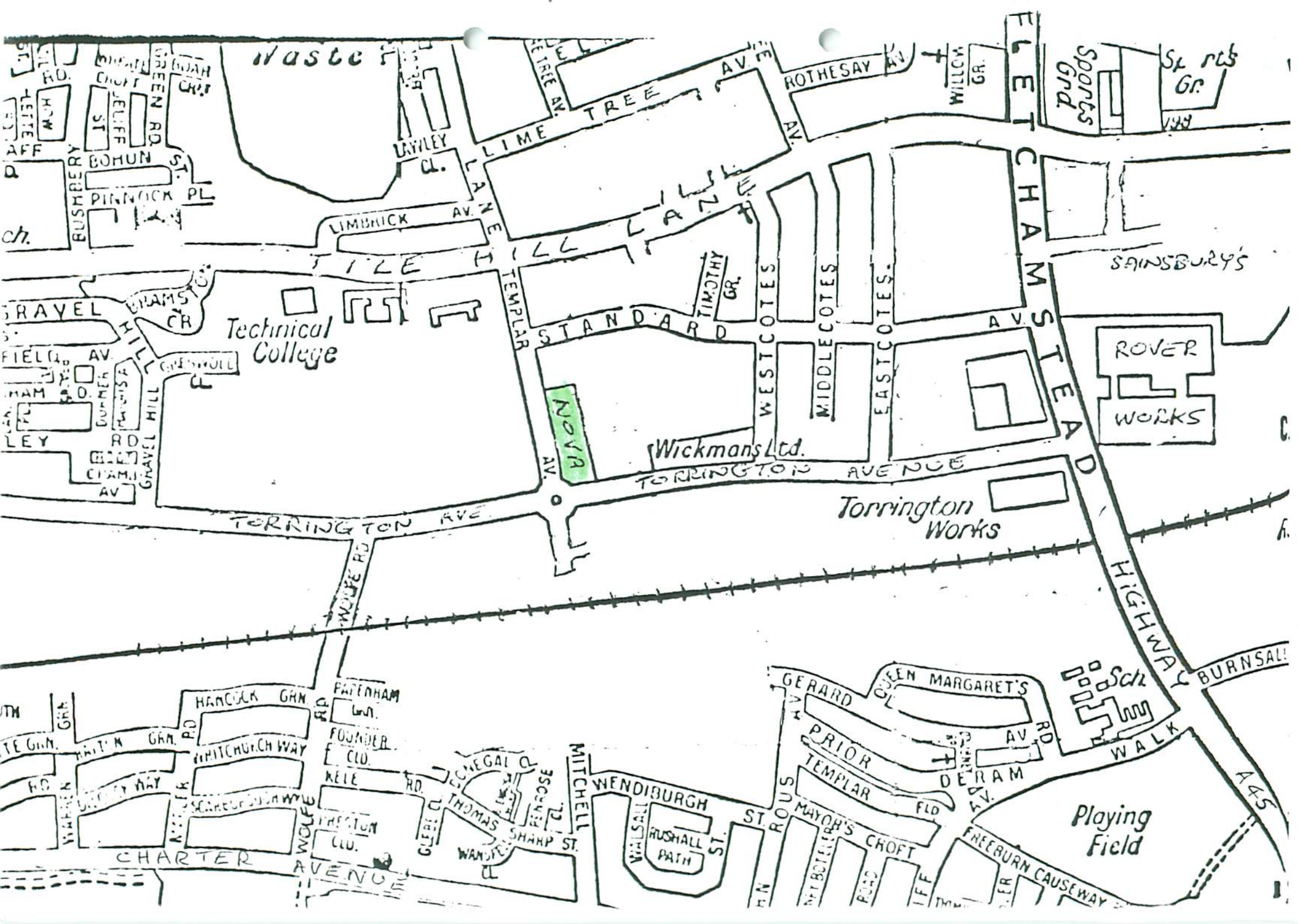
2 Please state the person/Company who is operating or is operating or will operate the process, not an agent who may be completing the application on the operator's behalf.

3 Please list fully all pollution control measures for all stages of the process, from the receipt of raw materials to the despatch of wastes and finished products, including, for example, the height and location of any stacks or vents; the abatement technology; process control and operational data; arrangements for maintenance; the extent of supervision; the relevant qualifications and experience of the workforce; staff training; and contingency plans for breakdowns and emergencies.

All calculations should be shown, particularly for the chimney height(s). Justification for the selection of a particular abatement option should be given.

4 Section 7(2) and 7(4) of the Environmental Protection Act 1990 requires every operator of a prescribed process to use the best available techniques not entailing excessive cost for -

- (i) preventing the release of prescribed substances, or where that is not practicable, for reducing the release of such substances to a minimum and rendering them harmless; and
- (ii) rendering harmless any other substances which might be released.



waste

Technical College

Wickmans Ltd.

Torrington Works

ROVER WORKS

Playing Field

SAINSBURY'S

Sports Grnd

Sports Gr.

A45

GREEN RD
JEFFER ST
BOHUN ST
PINNOCK PL
BUSHBERY

GRAVEL HILL
GRANDS CR
GREENWOLD
AV
DUMMER
ROAD
GRAVEL HILL

WOLFENBURN
HITCHURCH WAY
SCARBOROUGH WAY
WOLFENBURN AVENUE
HANCOCK GRM
MITCHELL
WENDIBURGH
RUSHALL PATH
ST. ROUS

LIME TREE AVENUE
ROTHESAY AV
WILLOW GR.
LAVILEY CL.
LIMBRICK AVENUE
HILL LANE
TEMPLAR
STANDARD
WESTCOTES
MIDDLECOTES
EASTCOTES
TERRINGTON AVENUE

CHAMSTEAD AVENUE

GERARD
GUSEN MARGARET'S
PRIOR
TEMPLAR
MAYOR'S CROFT
ROUS
WALSALL
SHARP ST.
WOLFENBURN AVENUE

SCH
WALK
FREEBURN CAUSEWAY
WOLFENBURN AVENUE