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 AUTHORISATION UNDER SECTION 6 OF THE ENVIRONMENTAL PROTECTION ACT 1990

1. **Either** Name and address of applicant*

TORRINGTON COMPANY LIMITED
TORRINGTON AVENUE
TILE HILL
COVENTRY CV4 9AE

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

N/A

* 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)

TORRINGTON COMPANY LIMITED
TORRINGTON AVENUE
TILE HILL
COVENTRY CV4 9AE

3. Address for correspondence if different from 1

N/A

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.

1. LOCATION OF PREMISES.....

2. DETAIL PLANT LAYOUT.....

3. DETAIL PLANT LAYOUT FIRST FLOOR

4. NEEDLE BEARINGS DIVISION PRESCRIBED PROCESS LOCATION

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.

- SEE 4.4 ABOVE.....

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5. List of attached documents comprising part of the application **

DESCRIPTION OF THE PRESCRIBED PROCESS

NEEDLE BEARINGS DIVISION..

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(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

- 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 or 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)

£ 935-00

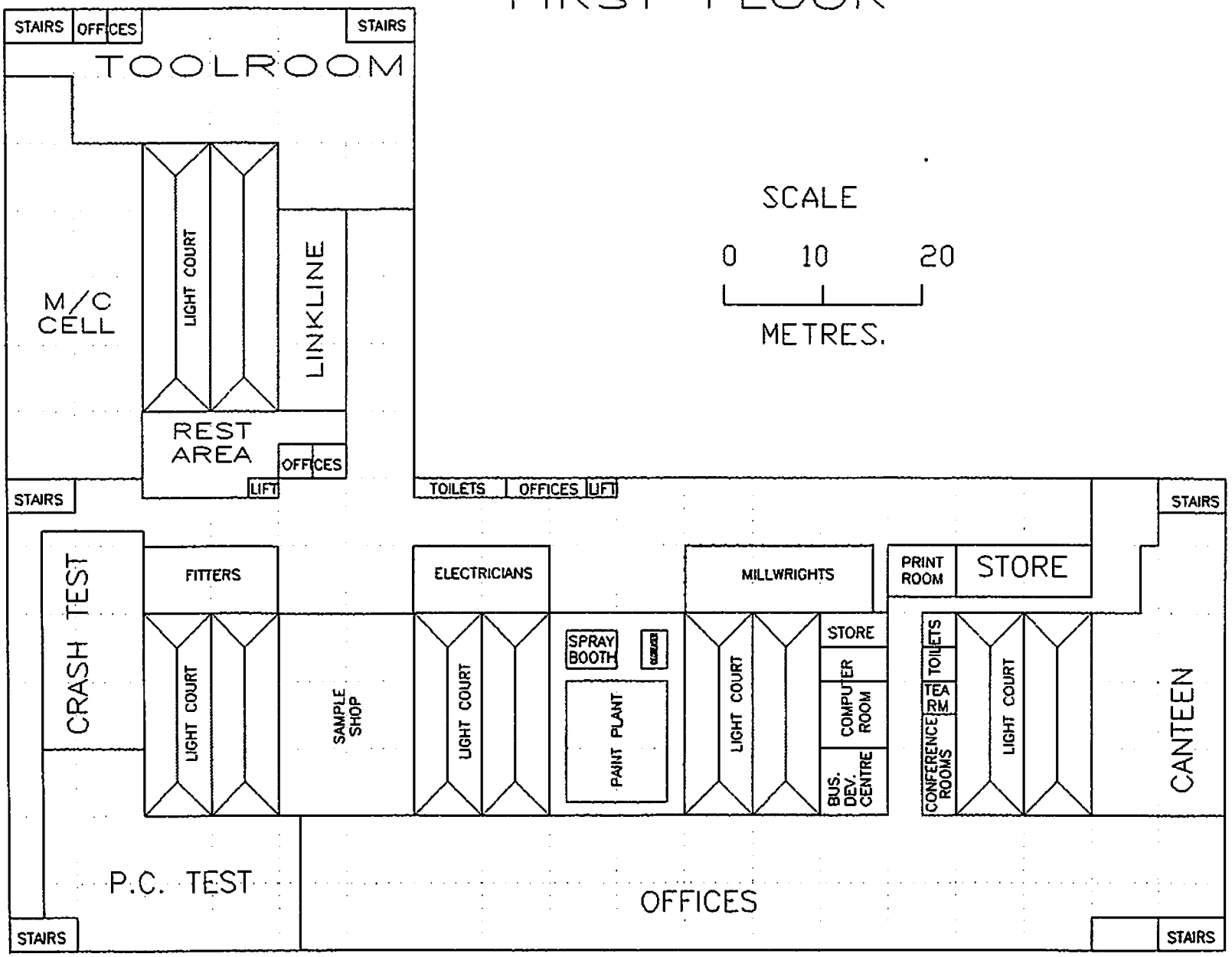
I hereby certify that all the information contained in this application is, to the best of my knowledge, correct.

[redacted] (Signature)

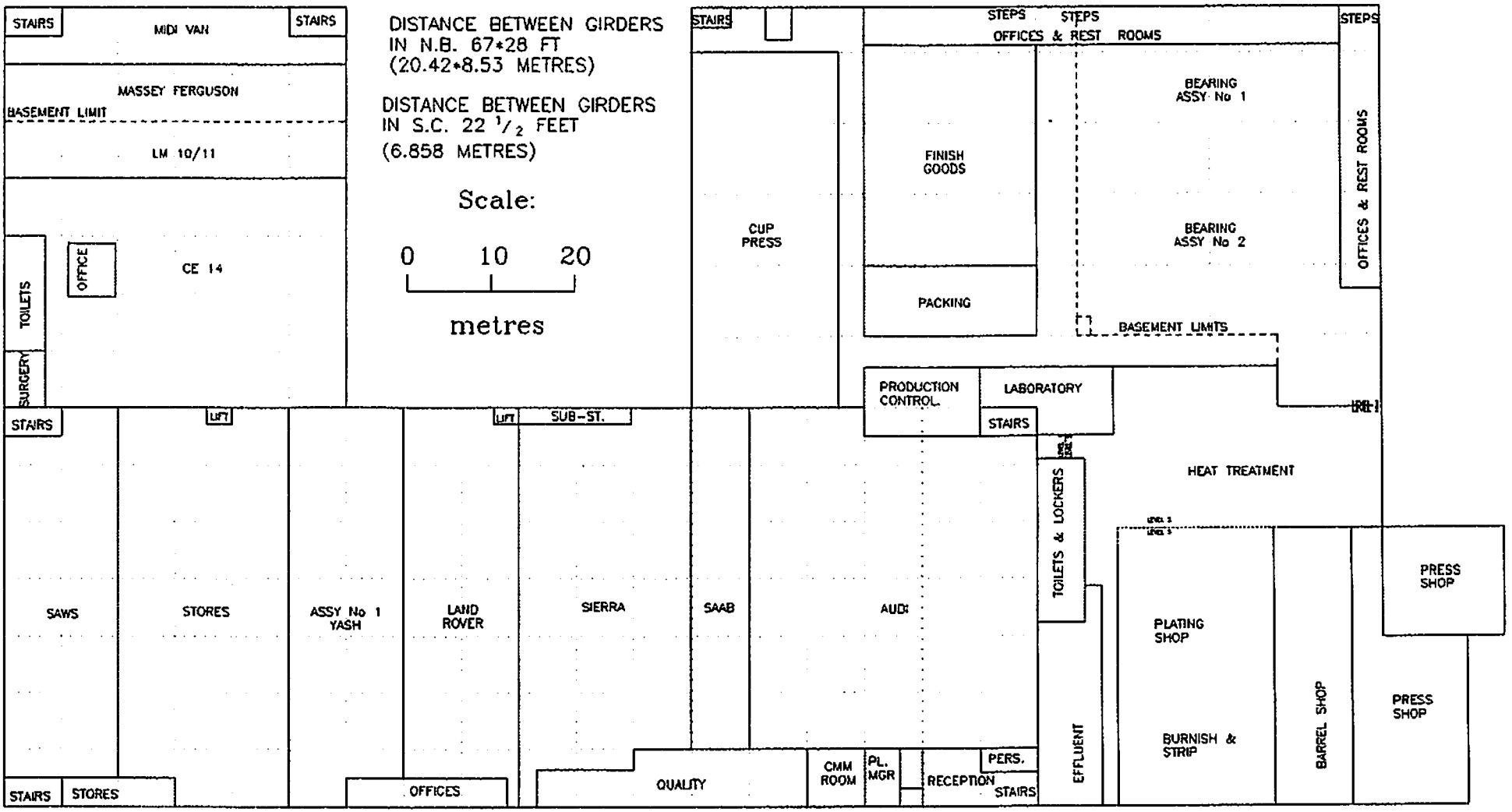
..... (Date)

pol/kc25032ms

THE TORRINGTON COMPANY LIMITED
DETAIL PLANT LAYOUT
FIRST FLOOR



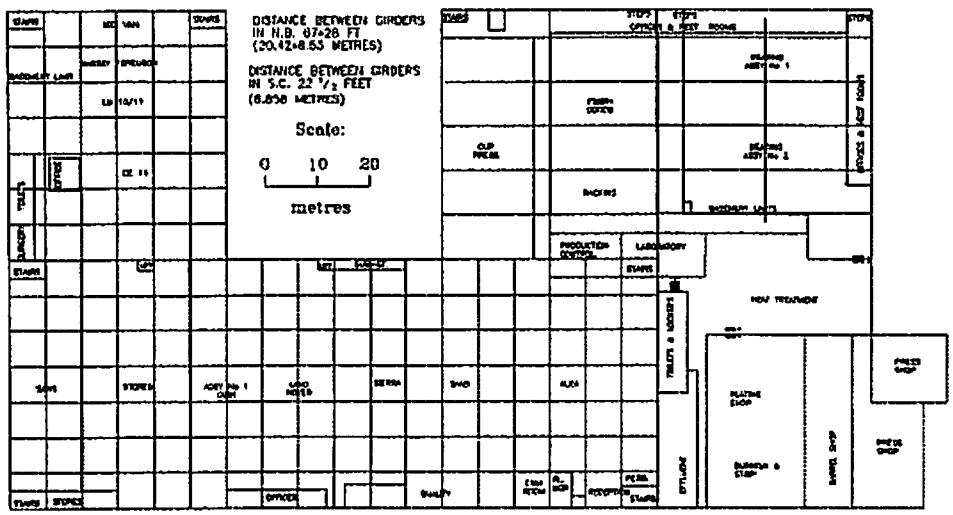
THE TORRINGTON COMPANY LIMITED
DETAIL PLANT LAYOUT



THE TORRINGTON COMPANY LIMITED
LOCATION OF PREMISES

A45 (FLETCHAMSTEAD HIGHWAY)

RAILWAY LINE



TORRINGTON AVENUE

2. Description of the prescribed process

Needle bearings division

The Needle Bearings Division has the following solvents and their usage in the production process :-

Rustveto 4214	=	4.820 tons
1.1.1. Trichloroethane	=	51.220 tons
Applied Cleaner	=	0.003 tons
Total		56.043 tons

i) A selection of metal components comprising a needle bearing assembly.

ii) A variety of plastic/metal containers, storage racks, vibratory hoppers, hoists and automatic conveyors.

iii) A variety of fork lift trucks, hydraulically operated hand-pump trucks and manual handling.

iv) The needle bearing cup route line up is as follows :-

a. Bearing cups are produced on the Cup Press section.
b. They are automatically loaded into metal containers and transported by hand-pump/fork lift truck to the 1.1.1. Trichloroethane vapour degreasing tank.
c. They are then manually loaded into a basket and lifted into the tank using a hand held electrically operated hoist.
d. They are then manually loaded into metal containers and transported to the Plating Shop by hand-pump/fork lift truck.
e. In the Plating Shop they are manually loaded/unloaded onto/from a production fixture and subsequently copper plated.
f. They are then transported in plastic containers using a hand-pump truck to the Heat Treatment department.
g. In the Heat Treatment department they are manually loaded onto an automatic conveyor and subsequently case hardened and quenched before being automatically loaded into plastic containers.
h. The plastic containers are then transported by hand-pump truck to the "Dawson Wash" (1.1.1. Trichloroethane).
i. At the "Dawson Wash" the bearing cups are manually loaded into enclosed cylindrical baskets.
j. The baskets are then passed through the wash on an automatic conveyor.

k. The baskets are then manually unloaded and the cups put into plastic containers and transported to the Bearing Assembly department on a hand-pump truck.
l. The cups are then manually loaded onto the first Bearing Assembly machine and subsequently assembled using a variety of automatic conveyors, vibratory hoppers, storage racks and manual handling systems through to the finished component.
m. The finished Needle Bearings are then loaded into plastic containers and transported to the Packing department where they are manually packed into cardboard packing boxes and manually stacked onto stillages.

The needle bearing sleeve route line up is as follows :-

a. Sleeves are produced on the Cup Press section.
b. They are automatically loaded into metal containers and transported by hand-pump/fork lift truck to the 1.1.1. Trichloroethane vapour degreasing tank.
c. They are then manually loaded into a basket and lifted into the tank using a hand held electrically operated hoist.
d. They are then manually loaded into metal containers and transported to the Plating Shop by hand-pump/fork lift truck.
e. In the Plating Shop they are manually loaded/unloaded onto/from a production fixture and subsequently phosphated.
f. The plastic containers are then transported by hand-pump truck to the 1.1.1. Trichloroethane vapour degreaser tank.
g. At the 1.1.1. degreaser the sleeves are again manually loaded into a basket and degreased.
h. The baskets are then manually unloaded and the sleeves put into plastic containers and transported to the Bearing Assembly department on a hand-pump truck.
i. The sleeves are then manually loaded onto the first Bearing Assembly machine and subsequently assembled using a variety of automatic conveyors, vibratory hoppers, storage racks and manual handling systems through to the finished component.
j. The finished Needle Bearings are then loaded into plastic containers and transported to the Packing department where they are manually packed into cardboard packing boxes and manually stacked onto stillages.

v) Both of the 1.1.1. Trichloroethane vapour degreasing tanks have the following abatement techniques utilised :-

- Hand held electrically operated hoist and basket.
- Refrigerated freeboard.
- Lip extraction ventilation to atmosphere
- Thermostatically controlled automatic process cut-out.
- Written standard operating procedures.
- Scheduled preventative plant maintenance procedures.
- Scheduled gas concentration measurement procedures.
- Scheduled audit by insurance company for COSSH regulations.

The "Dawson" 1.1.1. Trichloroethane sonic wash has the following abatement techniques utilised :-

- Conveyorised handling.
- Total process enclosure.
- Extraction ventilation to atmosphere.
- Written standard operating procedures.
- Scheduled preventative plant maintenance procedures.
- Scheduled gas concentration measurement procedures.
- Scheduled audit by insurance company for COSSH regulations.

vi) See Needle Bearings Division prescribed process location plan.

vii) Waste 1.1.1. Trichloroethane is disposed of by strictly following a written disposal of chlorinated solvents procedure that specifies in particular :-

- Emptying/filling of the tank can only take place with the tank at normal room temperature.
- Emptying/filling of the tank must be via a pump.
- Persons entering the tank for cleaning purposes must use positive pressure airline breathing apparatuswith a full face mask.
- A second person must be on standby in case of emergency.
- Transportation of new or used Trichloroethane must be by a suitable enclosed wheeled vehicle.
- Used Trichloroethane must be stored in the storage tank marked "used Trichloroethane" and must not be mixed with any other solvent/medium.
- When full, the "used Trichloroethane" storage tank contents must be disposed of by a registered waste disposal company.

viii) See v) above

Your Reference :
Our Reference : EH/EP/BAM/fl
Please ask for : B A Moore
Direct Dialling No : 831806
Date : 20th October 1994

City of Coventry

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 : 0203 83 1832/34
Telecom Gold Mailbox : 76 : END042
Fax : 0203 83 1831

Torrington Company Limited
Torrington Avenue
Tile Hill
COVENTRY
CV4 9AE

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: 071
Application Received: 14th April 1993

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

Torrington Company Limited
Torrington Avenue
Tile Hill
COVENTRY
CV4 9AE

Register in England No: 64404

For the wet spraying of metal components as described on Page 2 at:

Torrington Company Limited
Torrington Avenue
Tile Hill
COVENTRY
CV4 9AE

Subject to the conditions specified on the attached pages, Nos 1 to 6, and within the process boundary as indicated on Plan No. 1.

Signed [redacted] Dated 20th day of October 1994
City Environment Officer

A) NEEDLE BEARINGS DIVISION

1. DESCRIPTION OF PROCESS

1.1 This authorisation is for the electroplating of metal components, 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 1 and specifically relates to the processes outlined below.

1.2 The delivery and storage of cleaning solvents and electrolytes in the paint store as shown in the Plan numbered 2.

1.3 The degreasing and rinsing of metal components in III Trichloroethane in the degreasing of tank as shown on the Plan numbered 3.

1.4 The electroplating of metal components with copper in the plating shop as shown on Plan numbered 3.

1.5 The heat treatment of metal components in the heat treatment area, as shown on the Plan numbered 3.

1.6 The phosphating of metal components in the plating shop as shown on the Plan numbered 3.

1.7 The final rinsing of metal components in the Dawson Wash as shown on the Plan numbered 3.

1.8 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 process boundary, as perceived by the local Authority Inspector.

2.2 All pollution concentrations shall be expressed at standard conditions of 273K and 101.2Kpa without correction for water vapour content.

2.3 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.

3. MONITORING SAMPLING AND MEASUREMENT OF EMISSIONS

3.1 An olfactory assessment of emissions of volatile organic compounds shall be carried out at least once a day, whilst spraying operations are in progress. This shall be carried out by making an assessment of odour beyond the process boundary.

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

3.3 Any adverse results from the monitoring required in 3.1 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.

3.4 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.

4. MATERIALS HANDLING

4.1 The cleaning of spray guns and other equipment shall only be carried out in the fully enclosed gun wash machine in the paint mixing room as shown on the Plan numbered 2.

4.2 The mixing of paint shall only be carried out in the designated area. This shall only be done while the extractor fan is in operation.

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

4.4 Spraying shall only be carried out in the spray booths and these 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 store room and have lidded containers.

5. CHIMNEYS, VENTS AND PROCESS EXHAUSTS

5.1 Emissions from the spraying or curing of coatings in the paint spraying booths shall only be emitted to atmosphere via the cascading water filtration system.

5.2 Emissions from the spraying or curing of coatings in the booths shall be emitted to air via the paper filters.

5.3 Emission from the dust extraction system must only be vented to atmosphere via the dust collection system 1.

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 immediately 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 supply, to this Authority, on demand and without charge, a copy of all or part of the monitoring records kept in accordance with this authorisation.

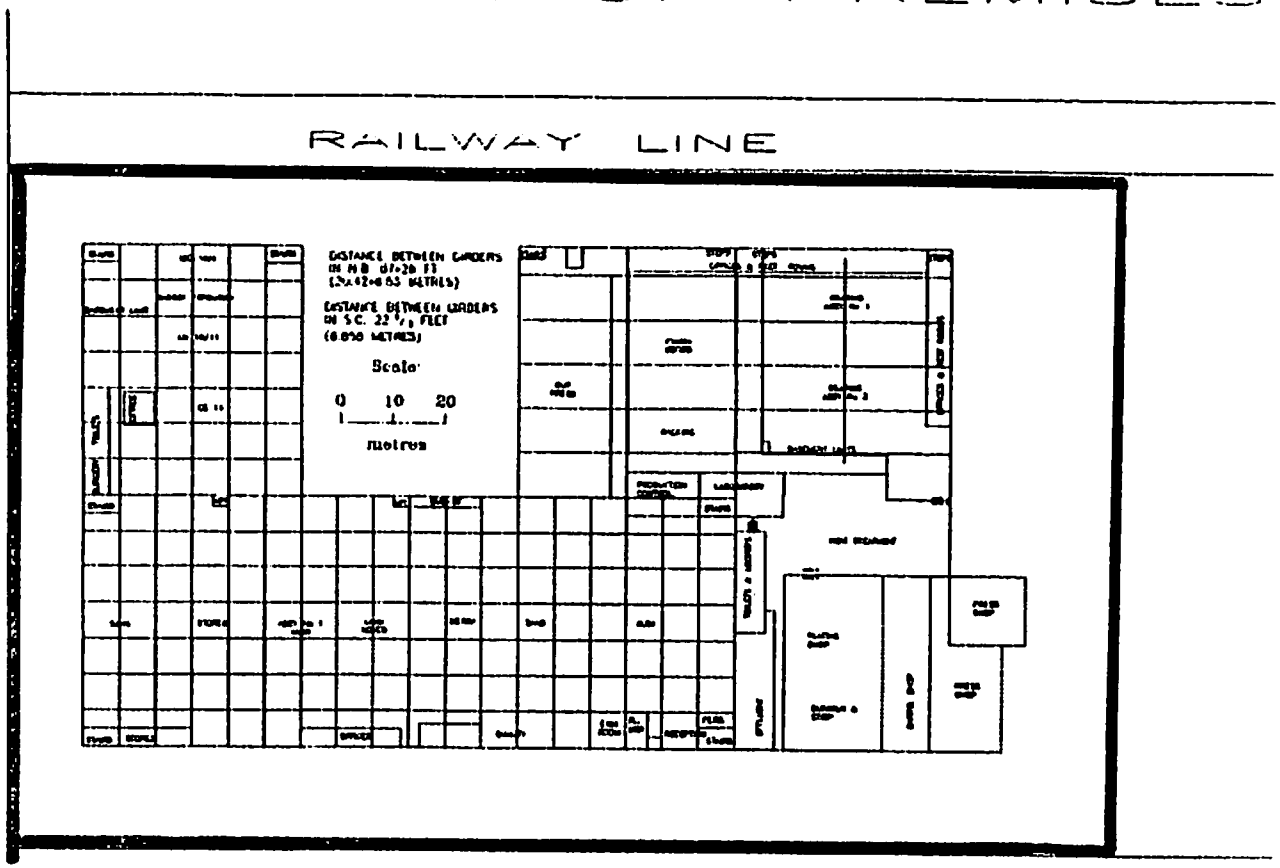
7. UPGRADING OF THE PROCESS

7.1 No later than twelve months from the date of this authorisation, a programme for upgrading the process shall be submitted to this Authority. The upgrading programme shall have regard to the Secretary of State's Guidance:

Coating of Metal and Plastic PG/6/23.

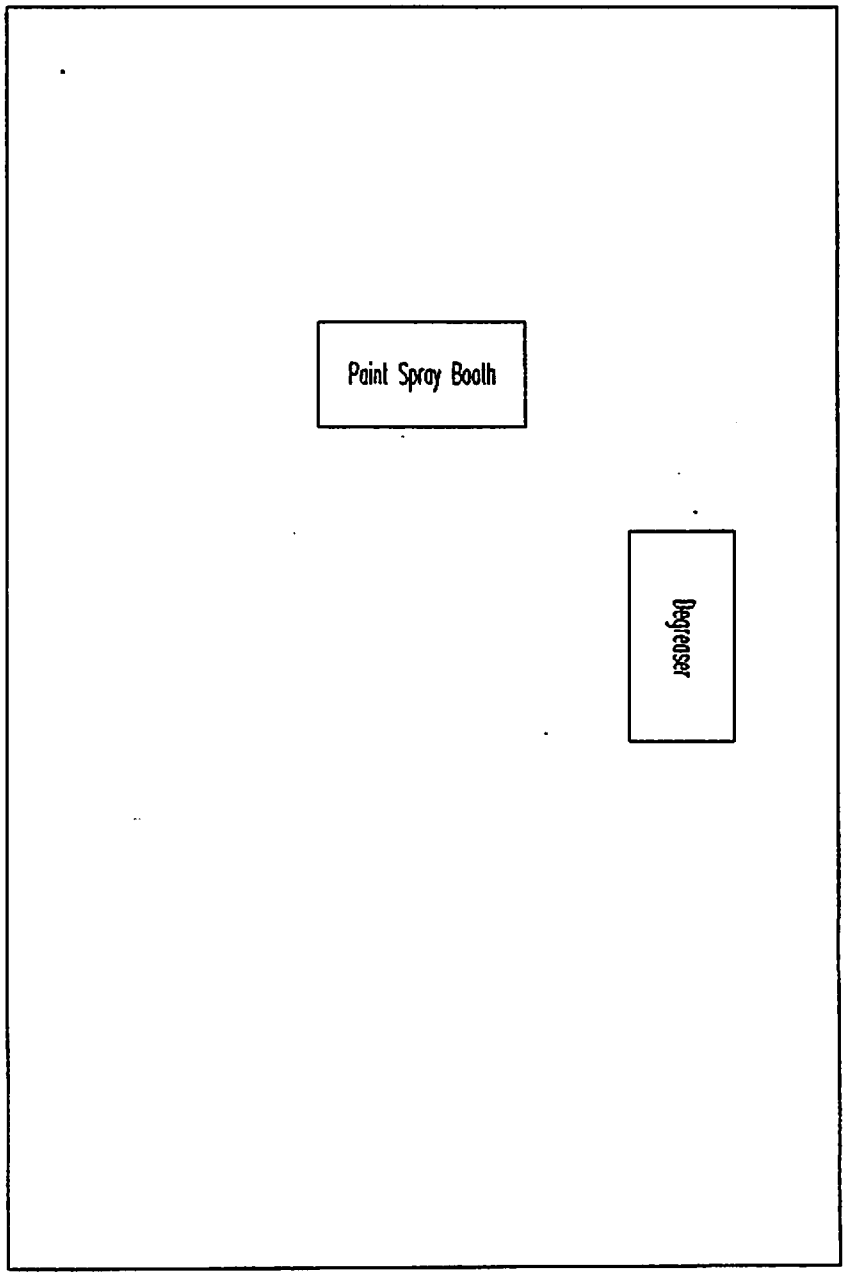
7.2 Any proposed methods for non-continuous emission sampling for the purposes of complying with the authorisation must be agreed in writing with this Authority.

THE TORRINGTON COMPANY LIMITED
LOCATION OF PREMISES



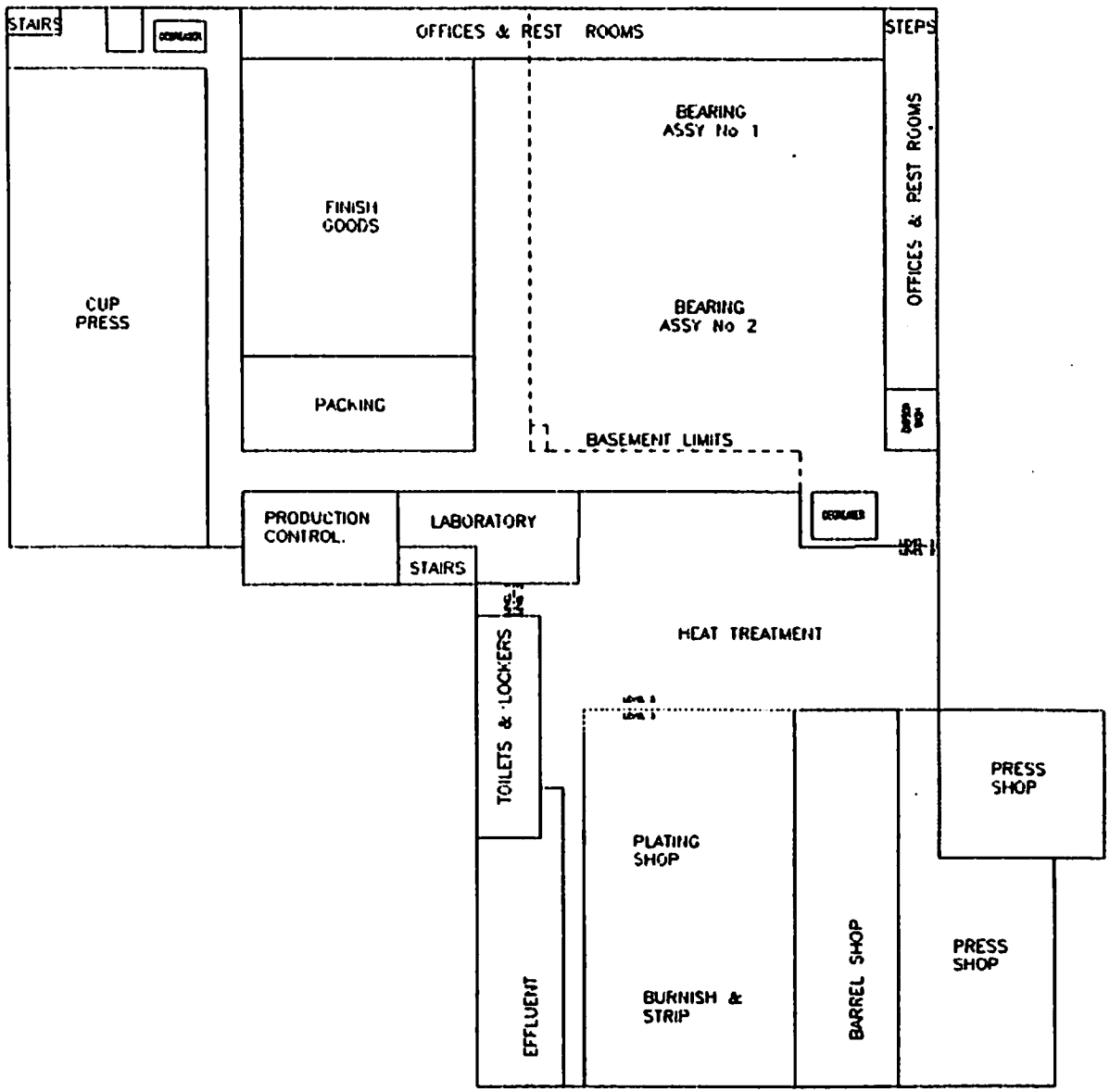
PLAN : NO. 1

THE TORRINGTON COMPANY LIMITED
ASSY No1 PRODUCTION LINE
PRESCRIBED PROCESS LOCATION
(SEE DETAIL PLANT LAYOUT)



PLAN NO: 2.

THE TORRINGTON COMPANY LIMITED
NEEDLE BEARINGS DIVISION
PRESCRIBED PROCESS LOCATION



PLAN NO. 3

71

COVENTRY CITY COUNCIL

ENVIRONMENTAL PROTECTION ACT 1990, SECTION 8(8) 12

NOTICE OF REVOCATION

To: *Torrington Company Ltd*
Torrington Avenue
Tile Hill
COVENTRY

Coventry City Council ("the Council"), in exercise of the powers conferred on it by section 8(8), 12 of the Environmental Protection Act ("the Act"), hereby gives you notice as follows:

(for section 12(1) notices)

1. The authorisation reference **071** is issued by Coventry City Council for the electroplating of metal components at Torrington Company, Torrington Avenue, Tile Hill, Coventry, is hereby revoked with effect from **9th March, 1995.**

Signed on behalf of Coventry City Council

[redacted]

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City Environment Officer
The officer appointed for that purpose

Date: **9th March 1995**

epa/tr1706bam