

ENVIRONMENTAL PROTECTION ACT 1990, Part I

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

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

APPLICATION FOR AUTHORISATION to carry out prescribed process under section 6 of the Environmental Protection Act 1990

To (HUNTINGDONSHIRE DISTRICT COUNCIL)..... Council

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

CLARKSTEEL GALVANISING LTD
STATION ROAD, YAXLEY, PETERBOROUGH PE7 3EG

Tel.No 0733/240811

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

as above

Tel.No.

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 the application

CLARKSTEEL GALVANISING LTD
STATION ROAD
YAXLEY, PETERBOROUGH
PE7 3EG
Contact name

Tel.No. 0733/240811

MRS P M SPENCER

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.

GALVANISING PLANT

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 identif(y)(ies) this part or these parts.

SEE PLAN B

6 Describe the prescribed process (3) (use a continuation sheet if necessary)

To provide steel with zinc coating to prevent rust.

- 1] Pickle steel in hydrochloric acid [strength 14%] until free from rust.
- 2] Immerse steel in vat of molten zinc [450°C]

7 When was the plant first installed?

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

INSTALLED 1990

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 prescribed process.(4)

AMMONIA CHLORIDE USED ON THE ZINC BATH FOR PERIODS UP TO ONE MINUTE, 4 TIMES AN HOUR 22 HOURS A DAY MONDAY-THURSDAY. 8 HOURS FRIDAY.

GIVES OFF WHITE FUME. SEE ATTACHED SPECIFICATION.

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.(5) *(use a continuation sheet if necessary and attach drawings of plant and equipment, where appropriate)*

WE PRESENTLY HAVE AN EXTRACTOR FAN FOR REMOVING FUME FROM BATH TO ATMOSPHERE VIA CHIMNEY.

WE PROPOSE TO INSTAL NEW BAG HOUSE FILTER SYSTEM TO COMPLETELY REMOVE FUME TO ATMOSPHERE WITHIN THE NEXT TWO FINANCIAL YEARS.

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

SEE 8

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

NONE

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

1. Interim daily visual monitoring - log book - records retained for inspection by Local Authority Inspector.
2. It is proposed that monitoring devices will be included in the new plant as agreed with the Local Authority.

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

It is not anticipated that there will be any adverse consequences to the local environment, especially once the additional controls of a bag house filter plant are installed. Therefore no additional monitoring is proposed.

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

BY USE OF METERS ON NEW EQUIPMENT

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.(8)

FILTERS OF THE TYPE WE PROPOSE TO INSTAL ARE ALREADY WORKING SATISFACTORILY AT SOME PLANTS WITHIN ENGLAND.

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

SEE 9

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

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.(7)

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 enclose the fee of £ (8).
Cheques should be made payable to:

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

Signature [Signature]

Official title Personnel Director

Date 21/5/92

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

Tel.No.

NOTES

- 1 This is the local authority in whose area the prescribed process will be carried on, or in the case 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 will operate the process, not an agent who may be completing the application on the operator's behalf.
- 3 A list of prescribed processes for local authority control is given in Appendix A, which accompanies this form. Further advice can be obtained if necessary from the local authority.
- 4 A list of prescribed substances for release into the air is given in Appendix B, which accompanies this form. "Harm" includes offence to the senses or harm to property.
- 5 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.
- 6 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.
- 7 Much of the information contained in the application form will be included in a register which the local authority is required to keep for public examination in accordance with section 20 of the Environmental Protection Act 1990 and the Environmental Protection (Applications, Appeals and Registers) Regulations 1991. Sections 21 and 22 provide for certain information (affecting national security, or commercial confidentiality) to be excluded from the register. Such information should be clearly identified in this application form.
- 8 £800 in the case of initial applications.
£530 in the case of applications for a substantial change.
£530 in the case of processes transferred from previous HMIP control.
£100 for small waste oil burners.

RESIDENTIAL HOUSES

B

BRICK WORKS

YAXLEY BROADWAY

CAR PARK

STORAGE AREA

DESPATCH
OFFICE
+
STORES

DRIVE

MAINTENANCE SHOP

OFFICES

OFFICES

STEEL SHOP

STORES

STORES

CHEMICAL
STORES

GALVANISING
PLANT

PROPOSED FUME
CONTROL HOUSE

OFFICE GALV
OFFICE

WOOD
STORES

STORAGE
AREA

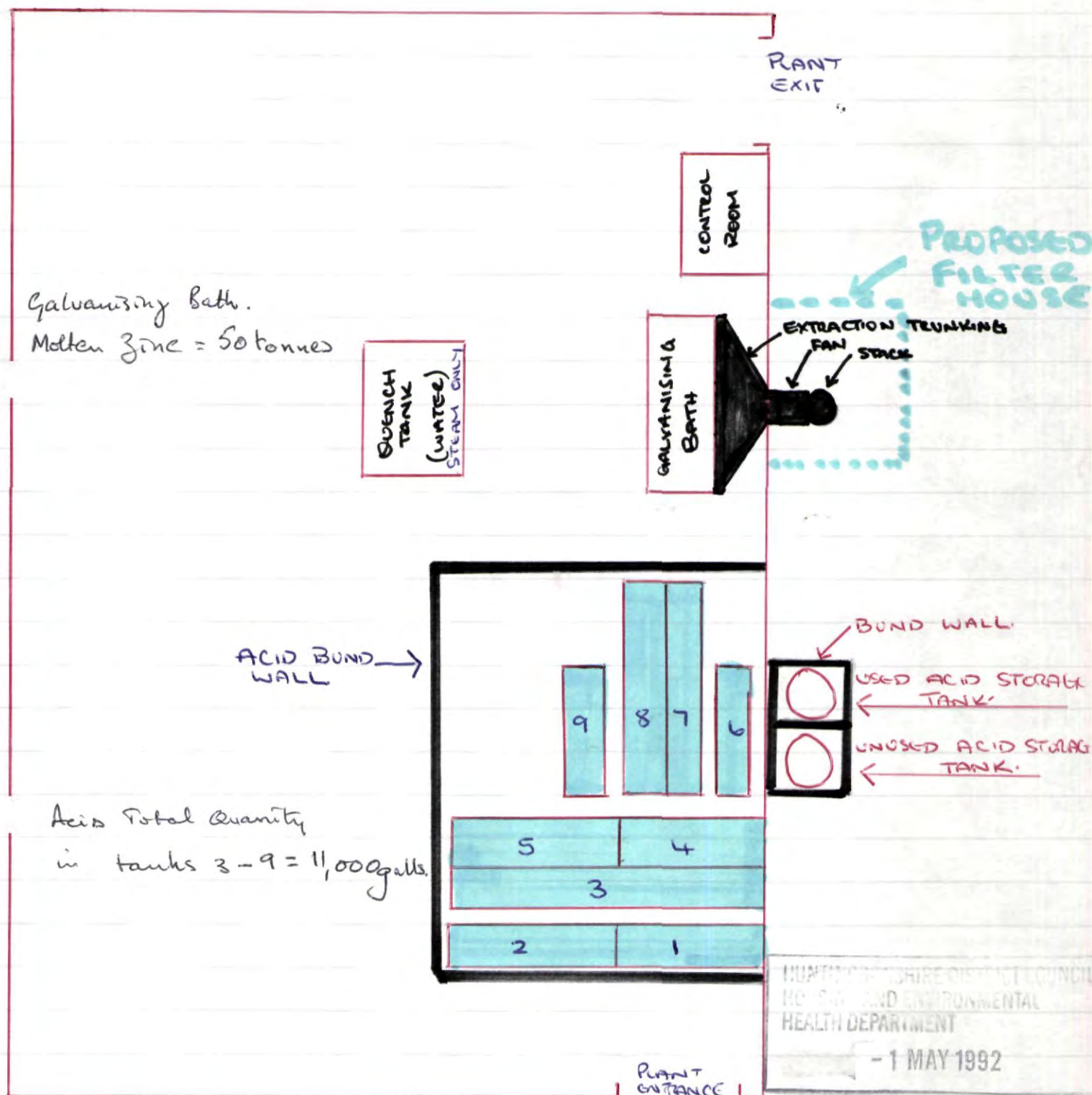
STORAGE
AREA

RAILWAY LINE

NOTE YAXLEY BROADWAY TO GALV PLANT APPROX 250 YDS

GALVANISING PLANT LAYOUT

23.3.92



PRE-TREATMENT TANKS

- 1 CAUSTIC CLEANER TANK
- 2 WATER RINSE
- 3-9 HYDROCHLORIC ACID TANKS

NO FUME CONTROL REQUIRED

NO VISIBLE FUME

NO VISIBLE FUME



ELLIS + EVERARD CHEMICALS LTD

SPECIFICATION

A160 0030

AMMONIUM CHLORIDE NCQ

Nov 1988

Synonyms: Sal Ammoniac

CAS: 12125-02-9

UN:

Properties:

Description: A crystalline solid freely soluble in water to give a slightly cloudy solution.

Formula: NH_4Cl
M. W.: 53.49
Density: 1.522 g/cm³

Specification

Assay: 99.5% min
Bulk density: 800 - 900 kg/m³

Maximum levels of impurities:

H ₂ O	0.05%
Ash	0.25%
NaCl	0.20%
Sulphates	0.01%
CaO	0.001%
MgO	0.001%
Fe	0.0003%
Pb	0.0002%
Cu	0.0002%
Ni	0.0002%
H ₂ O insolubles	0.0002%
Stearylamine	0.005%

Meets the requirements of:

Special notes: This material contains a small amount of Stearylamine to prevent caking during storage. Country of origin - Germany.



010592 97501908

MISC CHQ 1628 12 002 PAID 900.00

MISC *CLARKSTEEL*

24 JUN 1992

AREA DIRECTOR: D J MATTEY

Mr Allan
Huntingdonshire District Council
Pathfinder House
St Mary's Street
HUNTINGDON
Cambs
PE18 6TN

9CT.
JA
Your Ref: DHEH/JA/SC/EP/F

Our Ref: 01/PSP/PAM

Date: 22 JUN 1992

Dear Sir

RE: STATUTORY CONSULTATION - THE ENVIRONMENTAL PROTECTION (APPLICATIONS, APPEALS AND REGISTERS) REGULATIONS 1991 RE CLARKSTEEL LTD YAXLEY

I refer to your letter of 8 June 1992 and would make the following comments on the application.

1. I suggest that the following text be included in any covering letter sent with the authorisation: "This authorisation is issued under Part I of the Environmental Protection Act 1990. The responsibilities you have under legislation for health, safety and welfare in the workplace remain in force".

2. In particular the Control of Substances Hazardous to Health Regulations 1988 will apply to hazardous substances used or produced in the galvanising plant. I would draw the applicant's attention to the following specific Regulations

Regulation 6 the requirement for a suitable and sufficient assessment of the risks created by the work.

Regulation 7 the need to provide adequate engineering controls.

Regulation 9 the requirement for thorough examination and testing of a local exhaust ventilation plant.

Regulation 10 the monitoring of exposure to hazardous substances where requisite.

Full details of these Regulations are contained in the HSE publication L5 Control of Substances Hazardous to Health a General ACOP - 3rd Edition ISBN 0 11 885698 7 advice on interpretation of the Regulations can be obtained by contacting this office.

Yours faithfully


P S POYNTER

HM Principal Inspector of Factories

14 Cardiff Road, Luton, Bedfordshire LU1 1PP
Tel: 0582 34121