

COVENTRY CITY COUNCIL

ENVIRONMENTAL PROTECTION ACT 1990, SECTIONS 8(8), 12

NOTICE OF REVOCATION



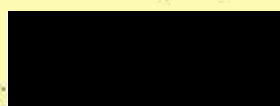
To: Mr S. Carvell
80 Golf Drive
Nuneaton
CV11 6ND

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 088 is hereby revoked with effect from 23rd July 2003.

Signed on behalf of Coventry City Council



Head of Environmental Health
The officer appointed for that purpose

25/06/2003

Date:

File Copy

THE ENVIRONMENTAL PROTECTION ACT 1990

The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 (as amended)

The Environmental Protection (Application, Appeals and Registers) Regulations 1991 (as amended)

Authorisation No: 088

Application Received: 14th February 1996

Notice is hereby given that under Section 6 of the Environmental Protection Act 1990, Coventry City Council (hereafter called the Authority) gives authorisation to:

**Stanley Thomas Carvell
80 Golf Drive
Nuneaton
CV11 6ND**

To operate an aluminium melting and casting operation at:

**Unit 5 Redland Close
Aldermans Green Industrial Estate
Coventry
CV2**

Subject to the conditions on the attached pages, Nos 1 to 6, and within the process boundary as outlined in red on the attached Plan No 1.

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

1. PROCESS DESCRIPTION

- 1.1 This authorisation is for melting of virgin aluminium ingots with the addition of flux and, where necessary, metallic sodium in one 136kg capacity baleout furnace via a thirty-five second gas oil burner; the production of core moulds from natural water-based sand and silica sand mixed with sodium silicate sand binder hardened with carbon dioxide gas, casting and fettling within the process boundary outlined in red on the attached plan numbered 1. Emissions to atmosphere from the baleout furnace shall be via the stack marked A on the attached plan.
- 1.2 Change to the above process must not take place without the prior written consent of the Local Authority.

2. EMISSION LIMITS AND CONTROLS

- 2.1 All emissions to air from the stack marked A on the attached plan number 1 shall be colourless and free from persistent mist, fume or droplets.
- 2.2 All emissions to air shall be free from offensive odour outside the process boundary as perceived by the Authorised Person. *detected via VN 16/4/97*
- 2.3 Emissions from the stack marked A on the attached plan number 1 shall be free from visible smoke during normal operation and in any case shall not exceed the equivalent of Ringleman Shade 1 as described in British Standard BS 2742:1969.

3. MONITORING SAMPLING AND MEASUREMENT OF EMISSIONS

- 3.1 A visual assessment of emissions from the stack marked A on the attached plan number 1 shall be undertaken at least once during each time the furnace is in operation.
- 3.2 An olfactory assessment of stack and fugitive emissions shall be made at least once during the melting and casting operation from outside the front of the unit.
- 3.3 The results of monitoring to comply with clause 3.1 and 3.2 above, shall be recorded in a log book, which shall include details of the date, time, wind strength and direction, the name of the observer and an assessment of the severity of emissions. This log book shall be retained at the premises, for a minimum of two years from the last entry and shall be made available to the Enforcing Authority on demand.
- 3.4 Any adverse results of monitoring to comply with Clause 3.1 and 3.2 shall be investigated immediately to establish the cause and corrective action taken.

4. MATERIALS HANDLING

- 4.1 Stocks of silica and water based sand shall be stored in designated areas within the confines of the building.
- 4.2 Stocks of flux and separating agent shall be stored in designated areas within the confines of the building. Containers shall be kept sealed when not being discharged.

- 4.3 Metallic sodium shall be kept in manufacturers packaging and contained within sealed plastic drums in a designated area within the confines of the building.
- 4.4 Any spillages of liquid or solid shall be cleared up as soon as is practicable.
- 4.5 Spillages of dry materials likely to give rise to airborne dust outside the process boundaries must be cleared using vacuum or wet methods. Dry sweeping shall not be used.
- 4.6 Waste dross, once cooled, and filings and shavings from the fettling operations, shall be stored in heavy duty plastic sacks which shall be sealed and kept within the confines of the building prior to collection for recycling.

5. FURNACE AND MELTING OPERATION

- 5.1 Only virgin aluminium ingots and clean runners and risers from previous casting operations on the site shall be melted in the furnace.
- 5.2 The furnace shall only be heated by the use of thirty-five second gas oil via the burner.
- 5.3 Emissions to air from the melting furnace shall be contained by the use of an extraction hood which shall be exhausted to atmosphere via the stack marked A on the attached plan number 1.
- 5.4 The use of flux and grain modifiers shall not exceed the manufacturers' recommended doses. Foseco Coverall 11 shall be used at a rate not in excess of 1.0kg per 100kg of aluminium. Foseco Coverall 65 shall be used at a rate not in excess of 2.0kg per 100kg of aluminium. Navac shall be used at a rate of one Navac 25 unit per 50kg of aluminium.
- 5.5 Casting shall only take place in the rear half of the building in close proximity to the furnace to minimise the risk of fugitive emission from the front door.

6. FETTLING

- 6.1 Fettling shall only take place on the fettling bench as indicated on the attached plan number 1.

7. CHIMNEY

- 7.1 The chimney marked A on the attached plan number 1 serving the furnace shall extend to 3m above the roof ridge.
- 7.2 The chimney shall not be fitted with any restriction at its final opening such as a plate, cap or cowl. *deleted via VV 16/4/97*
- 7.3 Chimney flues and ductwork shall be insulated to prevent the cooling of waste gases.
- 7.4 Chimney flues and ductwork shall, as far as is possible, be maintained in an airtight condition.

8. GENERAL OPERATIONS

- 8.1 Any mechanical malfunction or spillage of material shall be attended to and remedied as soon as possible. Any incident likely to give rise to abnormal emissions shall be noted in detail in the process log book as described in Clause 3.3.
- 8.2 Any incident likely to give rise to emissions which may have an impact on neighbouring occupants shall be reported immediately to the Local Authority (see Note 2).

epa/stan.auth

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 831810 during office hours, 832222 outside office hours.

epa/stan.auth

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

REC. NO

088

4157

MP

14/2/96



**APPLICATION FOR AUTHORISATION UNDER
SECTION 6 OF THE ENVIRONMENTAL PROTECTION ACT 1990**

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

.....STANLEY THOMAS CARRILL
.....80 GOLF DRIVE
.....NUNEATON CV11 6ND

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

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

* the person/company who will operate the process, not for example 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).

.....5 REDLAND CLOSE
.....ALDERMANS GREEN INDUSTRIAL ESTATE
.....COVENTRY CV2

3. Address for correspondence if different from 1.

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

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 (3 COPIES)
.....PROPOSED FOUNDRY PLAN (3 COPIES)

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.

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.....

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

- LOCATION MAP (3 COPIES)
- PROPOSED FOUNDRY PLAN (3 COPIES)
- PROCESS DETAILS (4 PAGES) (3 COPIES OF EACH)
- 5 DATA SHEETS (3 COPIES OF EACH)

..... (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 of any such release and the use of techniques for prevent or control 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 they will be able to comply with the condition implied by Section 7(4) of the Act.

The applicant may also supply any other information they wish the Local Authority to take into account in considering the application.

Fee enclosed (Cheque to be made payable to Coventry City Council)

£990.00 (correct to March 1996)

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

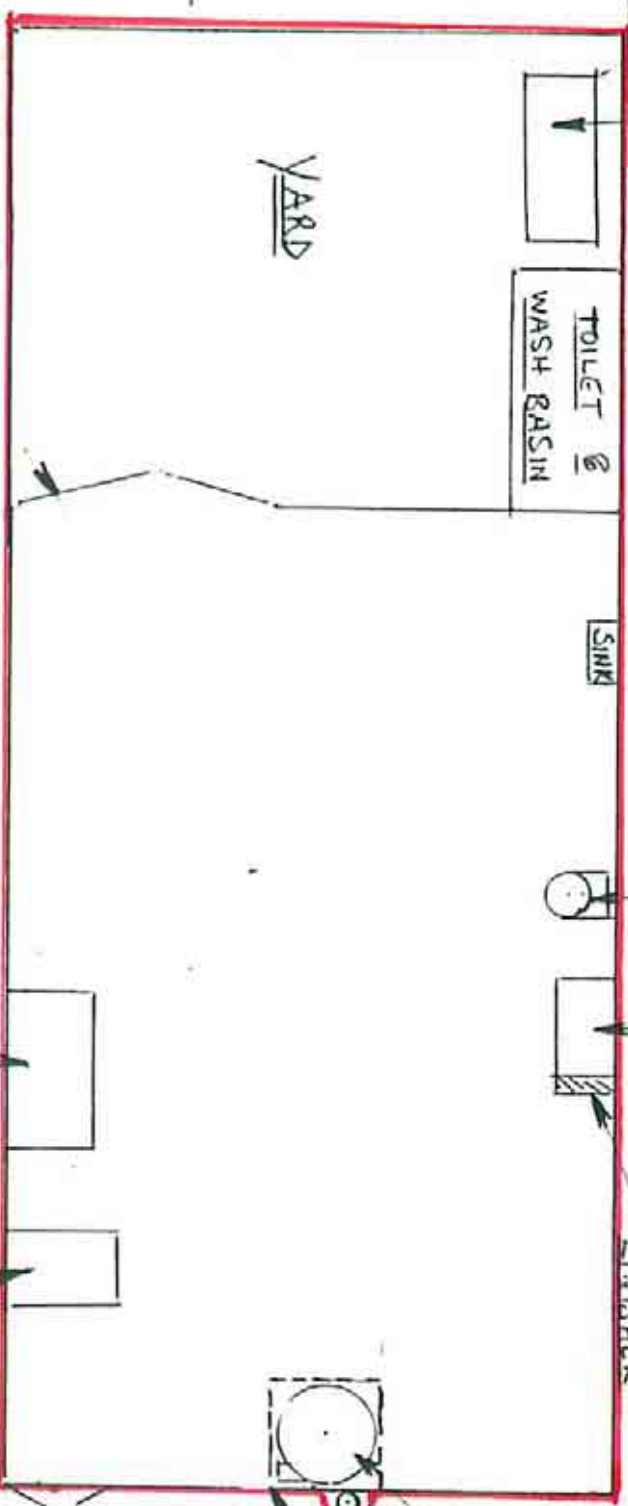
Signature .. [Redacted] .. Date 14th February 1996

Status of Signatory above PROPRIETER

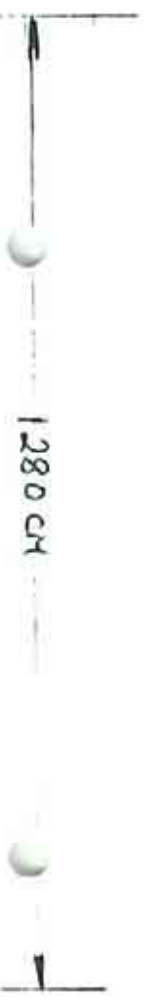
PLAN 1

DRIVE SKINNED

OIL STORAGE TANK
CAPACITY - 2730 LTR.



MAIN FRONT DOOR



300lb BALE OUT
FURNACE

FLUE VENT TO BE 3M
ABOVE ROOF

DOTTED OUTLINE DENOTES
HOOD OVER FURNACE

FIRE ESCAPE

PLAN of PROPOSED

FOUNDRY AT NO 85

REDLAND CLOSE

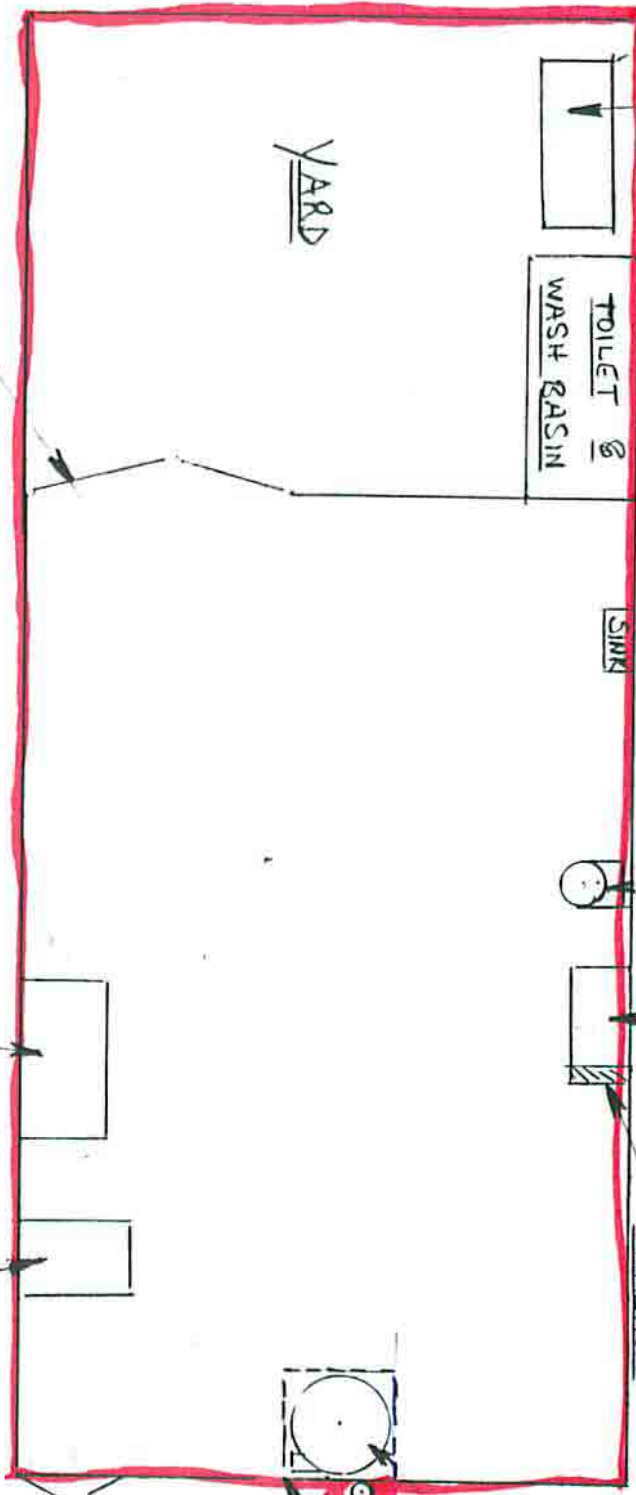
FOR: S.T. CARVELL

PLAN 1

DOUBLE SKINNED

61L STORAGE TANK
CAPACITY - 2730 LTR.

152 CM 275 CM 183 CM 456 CM



300LB BALE OUT
FURNACE

FLUE VENT TO BE 3M
ABOVE ROOF

DOTTED OUTLINE DENOTES
HOOD OVER FURNACE

FIRE ESCAPE

MOULDING BENCH

BAND SAW

MAIN FRONT
DOOR

640 CM

152 CM

152 CM

92 CM

244 CM

256 CM

120 CM

256 CM

1280 CM

PLAN of PROPOSED
FOUNDRY AT NO 85
REDLAND CLOSE

FOR: S.T. CARVELL