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COVENTRY CITY COUNCIL

ENVIRONMENTAL PROTECTION ACT 1990, SECTION 8(8) 12

NOTICE OF REVOCATION

To: *Solaglass Ltd*
Waterside Drive
Langley Business Park
Langley
SL3 6EZ

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 **038** for the coating of mirrors at Solaglass Mirrors and Processing, Herald Way, Binley, Coventry, is hereby revoked with effect from 6th November 1995.

Signed on behalf of Coventry City Council



.....
City Environment Officer
The officer appointed for that purpose

01 OCT 1995

Date:



APPLICATION FOR AUTHORISATION UNDER SECTION 6·5
OF THE ENVIRONMENTAL PROTECTION ACT 1990

Solaglas Mirrors and Processing
Herald Way
Binley
Coventry
CV3 2ND

Contact: Mr R. Potter

Tel.No: 0203 447011

Fax. No: 0203 443442

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

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

1. Either Name and address of applicant*

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

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

SOLAGLAS LTD
.....
WATERSIDE DRIVE
.....
LANGLEYS BUSINESS PARK
.....
LANCLEV SL3 6EZ (0753) 810505
.....
REG. NO 2442570

* 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)

SOLAGLAS MIRRORS & PROCESSING
.....
HERALD WAY, BINLEY,
.....
COVENTRY CV3 2ND
.....
(0203) 447011
.....

3. Address for correspondence if different from 1

MR. R. POTTER
.....
SOLAGLAS MIRRORS & PROCESSING
.....
HERALD WAY, BINLEY,
.....
COVENTRY CV3 2ND
.....

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.

Drawings.....
..... *Area Site map*.....
..... *Subordinate 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.

Solar Gas Muriol Processing
..... *Subordinate concept*.....
.....
.....

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

See attached documents.....
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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)
 £ ...*900*.....

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

 (Signature)

.....*7 sept 1992*..... (Date)

pol/kc25032ms

APPLICATION UNDER SECTION 6.5 OF THE
ENVIRONMENTAL PROTECTION ACT 1990, PART 1

Description Of The Prescribed Process

1. This application relates to emissions of xylene from the silverline which converts clear glass to silvered mirror.
2. Clear glass is loaded onto the silvering conveyor, scrubbed clean after which a coating of silver is deposited, followed by a coating of copper. These coats are protected by a coating of paint which is then dried using electrically heated ovens.

At the end of the conveyor, finished mirror is off-loaded.
3. 80,000 litres per year of paint containing Xylene solvent plus 18,000 litres per year of Xylene are purchased in metal drums, nominal capacity 200 litres. The paint drums are lined with a polythene sleeve to prevent contamination of the drum by paint. The contaminated polythene sleeves are to be separately disposed of.
4. Purchased paint is stored outside the factory in a designated area (see area site plan) in sealed 200 litre metal drums lined with polythene sleeves.
5. Paint is drawn from the store daily using a fork lift truck and taken, still sealed, to the mixing area (see Factory Plan).
6. The drum is opened, a measured quantity of Xylene is added to the paint, the stirrer is inserted and the top of the drum is covered while mixing takes place. The handling and mixing of paint and solvent is only carried out by in-house trained operators.
7. When fully mixed and tested for correct viscosity, the paint is added to the vat.
8. The mixed paint is used in a continuously recirculating process where glass is passed through a paint curtain, depositing paint on one side of the glass.
9. The viscosity of the paint is closely controlled by automatic monitoring and correcting equipment. Spillages are detected visually and by smell if they occur, followed by a manual shut down of the system.
10. All elements are controlled to fulfil the requirements of BS5750.

11. As the process involves a continuously recirculation of the paint, there is no waste material.
12. The glass with wet paint is passed into drying areas where the solvent content is evaporated off directly to the atmosphere.
13. Extraction from the plant to the atmosphere is via seven ducts and fans, emitting 318 cubic metres/min of air and solvent.
14. The height of the seven stacks is between 1½ and 2 metres above the level of the factory roof. The positions are as shown on the factory plan.
15. In the case of a failure in the extraction equipment, production is immediately stopped while corrective action takes place. Production does not resume until the extraction equipment is again fully active.
16. The process in its present form has been running for approximately 17 years.

Techniques to be used for preventing releases into the air.

Development is taking place of a water based paint, eliminating the need for the use of Xylene as solvent. Tests have taken place, but further development is needed to reach a satisfactory specification.

It is anticipated that in 3 to 4 years time this water based paint will be commercially available, this totally removing the emission of Xylene from the process.

Monitoring the use of Xylene

The process using Xylene solvent is a continuous process depositing a constant amount of paint and Xylene into each square metre of glass at a closely controlled viscosity, and passing the glass into the ovens at a constant speed.

Therefore the rate of emission to the atmosphere remains constant.