

NOTICE OF VARIATION OF AUTHORISATION

To Marshalls Mono Limited
of Hall Ings, Southowram, Halifax, HX3 9TW

The Huntingdonshire District Council,
("the Council") has decided that the authorisation to carry out a prescribed process, namely
the blending and use of bulk cement

at the premises known as Marshalls Mono Limited, Meadow Lane, St Ives,
Huntingdon, Cambs, PE17 4LG

granted to you by the Council on the 28th day of January 19 93
under reference 2/93 should be varied in the following
manner*

1. As detailed on the attached schedule 1
2. The Authorisation as varied by this Notice is set out in
Schedule 2.

The date(s) on which the variation(s) are to take effect are†
All variations have immediate effect.

continued overleaf

Delete any words in square brackets which do not apply

* Specify the variation(s) to the authorisation.

† Specify the effective dates for each variation.

~~YOU ARE REQUIRED, within a period of _____ from the date of service on you of this notice to notify the Council of the action (if any) which you propose to take to ensure that the process is carried on in accordance with the authorisation as varied by this notice.~~

~~[The Council also requires you to pay the sum of £ _____ being the prescribed fee, within a period of _____ from the date of service of this notice on you.]~~

~~[In the opinion of the Council, the action to be taken by you in consequence of this variation notice will involve a substantial change** in the manner in which the process is being carried on.]~~

Dated 22nd October 1996

(Signed) Elizabeth Wilson
Designation Director of Operational Services
(the officer appointed for this purpose)

address for all communications:

Environmental Health Department
Pathfinder House
St Marys Street
Huntingdon
PE18 6TN

Delete any words in square brackets which do not apply

NOTE

You have a right of appeal against this notice to the Secretary of State for [the Environment] [Wales]. If you wish to appeal you must do so in writing within a period of two months beginning with the date of this notice. You must set out the grounds for your appeal and send to the Secretary of State a copy of this notice, together with copies of all relevant documents and correspondence. You should also indicate whether you wish the appeal to be dealt with at a hearing or on the basis of written representations. A copy of your notice of appeal must also be sent to the Council.

** "Substantial change" is defined in section 10(7) of the Environmental Protection Act 1990 as "a substantial change in the substances released from the process or in the amount or any other characteristic of any substance so released"; and the Secretary of State may give directions to enforcing authorities as to what does or does not constitute a substantial change in relation to processes generally, any description of process or any particular process.

NOTICE OF VARIATION OF AUTHORISATION

REFERENCE 12/96

SCHEDULE 1

**Marshalls Mono Limited
Meadow Lane
St Ives
Huntingdon
Cambs
PE17 4LG**

1. Condition 3 is deleted.

2. Condition 29 is renumbered condition 28 and amended to read :

"29. Any records required to be kept by the above conditions shall be retained at the workplace for a minimum of 2 years and made available for examination by the Local Authority."

3. Condition 30 is deleted.

4. Existing condition 4 is renumbered condition 3
Existing condition 5 is renumbered condition 4
Existing condition 6 is renumbered condition 5
Existing condition 7 is renumbered condition 6
Existing condition 8 is renumbered condition 7
Existing condition 9 is renumbered condition 8
Existing condition 10 is renumbered condition 9
Existing condition 11 is renumbered condition 10
Existing condition 12 is renumbered condition 11
Existing condition 13 is renumbered condition 12
Existing condition 14 is renumbered condition 13
Existing condition 15 is renumbered condition 14
Existing condition 16 is renumbered condition 15
Existing condition 17 is renumbered condition 16
Existing condition 18 is renumbered condition 17
Existing condition 19 is renumbered condition 18
Existing condition 20 is renumbered condition 19
Existing condition 21 is renumbered condition 20
Existing condition 22 is renumbered condition 21
Existing condition 23 is renumbered condition 22
Existing condition 24 is renumbered condition 23
Existing condition 25 is renumbered condition 24
Existing condition 26 is renumbered condition 25
Existing condition 27 is renumbered condition 26
Existing condition 28 is renumbered condition 27
Existing condition 29 is renumbered condition 28

NOTICE OF VARIATION OF AUTHORISATION

REFERENCE 12/96

SCHEDULE 2

**Marshalls Mono Limited
Meadow Lane
St Ives
Huntingdon
Cambs
PE17 4LG**

HUNTINGDONSHIRE DISTRICT COUNCIL

ENVIRONMENTAL PROTECTION ACT 1990, PART 1

**THE ENVIRONMENTAL PROTECTION (PRESCRIBED PROCESSES AND
SUBSTANCES) REGULATIONS 1991 (AS AMENDED)**

**THE ENVIRONMENTAL PROTECTION (APPLICATIONS, APPEALS AND
REGISTERS) REGULATIONS 1991 (AS AMENDED)**

**Authorisation 2/93
(As amended by Notice of Variation 12/96)**

(i) Name and address of operator:

**Marshalls Mono Limited
Hall Ings
Southowram
Halifax
HX3 9TW**

Registered No. 509579

(ii) Address of Authorised Process:

**Marshalls Mono Limited
Meadow Lane
St Ives
Huntingdon
Cambs
PE17 4LG**

Huntingdonshire District Council hereby authorises Marshalls Mono Limited to operate a manufacturing process involving the blending and use of bulk cement as described below, and in accordance with the following conditions which are based on guidance from the Secretary of State in Process Guidance Note PG3/1 (95):

Description of Process

The process is prescribed for Local Authority air pollution control under Section 3.1 of Schedule 1 to the Environmental Protection (Prescribed Process and Substances) Regulations 1991, SI 472 (as amended). It consists of the manufacture of concrete paving flags and kerb stones using aggregates, cementitious materials and water. The plant and equipment used in the process is set out in diagrammatic form at the attached drawing reference number 2/93/B.

The site is located at Meadow Lane in St Ives and is bounded by the ARC conbloc site and man-made lakes created by aggregate extraction. The nearest dwelling is situated at the entrance to Meadow Lane approximately 0.5 miles away.

Various aggregates which include limestone chippings, granite chippings, gravel, limestone dust and sand are delivered to the site by tipper lorries. Haulage drivers are required to report to the loading shovel driver who gives instructions as to which storage bay the materials are to be delivered. Lightweight aggregates are held in covered storage bays.

Cement and Pulverised Fuel Ash (PFA) are delivered in sealed bulk tankers. The tanker drivers are required to report to the works office on arrival at the site. A supervisor then checks the delivery note and directs the driver to the appropriate silo. The supervisor accompanies the tanker to the silo and supervises the loading operation. The silos are each equipped with reverse jet filtration systems, pressure relief valves and high level alarms.

Aggregates are transferred internally by means of an operator driven Volvo L70 loading shovel. The selected aggregates are loaded into two tipping hoppers which feed the two aggregate storage bunkers by way of a converted belt conveyor system. The various aggregates are weighed into batches by weigh hoppers and transported by covered conveyor system to holding hoppers situated above totally enclosed pan mixers inside the two production buildings.

The cement and PFA are transported internally by totally enclosed screw conveyors to enclosed weigh hoppers adjacent to the pan mixers.

The batched aggregates along with the cement and PFA are discharged into the mixers and water is added to make wet concrete. The wet concrete is then discharged into hydraulic presses where it is compressed into flags and kerb stones. The finished product is stored inside the process building in the curing areas.

Once the product has developed enough strength to enable it to be handled it is banded into packs and taken outside the press sheds by roller conveyors. The packs are taken by diesel fork lift trucks and stacked in the stockyard to cure further and await despatch.

Some of the formed flags are taken to the saw shed where they are sawn into edgings using a water-fed three bladed saw. No dust is emitted to air and reject material is collected at a trade waste point awaiting collection and disposal to a licensed waste tip.

The plant was first established in 1982 when the original press building was erected. A new press building was erected in 1989 and this incorporates the latest state of the art controls.

The only prescribed substance which is likely to be emitted from the process is particulate matter and the establishment of reverse jet filtration, pressure relief valves and high level alarms of all silos, the use of covered conveyor and covered aggregate storage areas is designed to prevent, control and minimise such emissions.

Conditions

The requirements of the conditions attached to this authorisation shall come into effect on the date indicated in the individual condition. Where no date is indicated the conditions have immediate effect:

Emission Limits and Controls

1. All emissions to air from the process, other than steam or water vapour, shall be colourless and free from persistent mist.
2. All emissions to air from the process shall be free from persistent fume and free from droplets.

Emission Monitoring

3. The operator shall carry out daily visual assessments of dust emissions to air from the aggregate bulk storage area, from the tipping hoppers, the conveyors and aggregate bunkers and of fugitive emissions from the process building.
4. The results of the visual assessments required by paragraph 4 shall be recorded in a log book (hereinafter referred to as "the log") which shall be retained at the workplace.

Materials Handling

5. All aggregates shall be delivered, stored and handled so as to prevent or minimise airborne dust emissions and all lightweight aggregates shall be stored under cover.
6. The drivers of aggregate delivery lorries shall be required to report to the loading shovel driver on arrival at the works for instructions as to which storage bay the aggregates are to be placed.
7. All bulk cement and PFA shall be stored in silos equipped with pressure relief valves, visual and audible high level alarms and reverse air jet filters.
8. The drivers of bulk cement and PFA tankers shall be required to report to the operator on arrival at the works to receive instructions about which site the materials are to be placed.
9. The operator shall supervise the delivery of cement and PFA and shall ensure that there is sufficient capacity in the silo to accommodate the delivery.
10. During silo filling operations the tanker driver shall remain adjacent to the tanker controls throughout the procedure.

11. During silo filling operations by pressure delivery, the discharge pressure and blower rates shall be set at a level which ensures no emissions of particulate matter occur from the silo throughout the procedure.
12. During silo filling operations the operator shall ensure that the transfer lines are securely connected to the tanker discharge point and to the silo delivery inlet plant.
13. During silo filling operations the operator shall carry out visual assessments of emissions from the silo dust arrestment equipment or pressure relief valve and the tanker driver shall be instructed to cease delivery immediately should cementitious material be observed. An entry to this effect shall be made in the log.
14. If, during silo filling operations, the high level alarm is activated the tanker driver shall be under instructions to cease delivery immediately and an entry shall be made in the log.
15. The tanker driver shall be under instruction to depressurise the tanker through the tanker venting system on completion of the delivery cycle where this is possible.
16. All spillages shall be cleaned up promptly in a manner which minimised airborne dust emissions.
17. Surfaced internal roadways shall be cleaned every 4 weeks or more often if necessary in dry conditions to prevent or minimise dust emissions.

PROCESS CONTROLS

18. Where the visual assessments required at paragraphs 3 and 13 reveal abnormal emissions remedial action shall be taken and an entry shall be made in the log.
19. The operator shall carry out a daily check of the silo high level alarms. Any defects shall be remedied and an entry shall be made in the log. The silo shall not be used unless the alarms are working.
20. A monthly inspection of the silo air lines, filter socks and pressure relief systems including the valve seating shall be carried out. Any defects shall be remedied and an entry shall be made in the log.
21. The operator shall ensure that tanker delivered to silos are not commenced without permission.
22. A permanent sign, as detailed at the attached drawing 2/93/C, shall be displayed at each silo fuel pipe connector to give clear instructions to the tanker driver and operator.

General

24. Proper use of equipment, proper supervision of process operations and adequate preventative maintenance shall be employed on all plant and the equipment concerned with the control of emissions to air. Essential spares and consumables shall be held.

25. Any malfunction or breakdown leading to abnormal emissions above that permitted by this authorisation shall be remedied promptly and process operations shall be suspended until such time.
26. All malfunctions or breakdowns which cause abnormal emissions shall be recorded in the log and the Local Authority is to be informed immediately if there is likely to be an effect on the local community.
27. Staff at all levels shall receive the necessary formal training and instruction in their duties relating to control of the process and emissions to air. Key personnel shall be identified in the log.
28. Good housekeeping shall be practised at all times.
29. Any records required to be kept by the above conditions shall be retained at the workplace for a minimum of 2 years and made available for examination by the Local Authority.

22nd October 1996

Elizabeth A. Wilson

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DIRECTOR OF OPERATIONAL SERVICES