



POLLUTION PREVENTION AND CONTROL ACT 1999

PERMIT

Pollution Prevention and Control (England and Wales) Regulations 2000 (as amended) (SI 2000 No. 1973)

PERMIT NUMBER: S / 60 / 3.1 (B) (b)

North West Leicestershire District Council (hereinafter referred to as the "Council") in the exercise of the powers conferred upon it by Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 hereby authorises

Aggregate Industries (UK) Ltd

Registered Office Address: Aggregate Industries (UK) Ltd, Bardon Hill, Coalville, Leicestershire LE67 1TL

Company Registration Number: 245717

Ordnance Survey Grid Reference: SK 196163

To Operate the Installation at: Fairfield Concrete Ltd, Whelford Lane, Fairford, Gloucestershire, GL7 4DS

to the extent authorised by and subject to the conditions of this Permit.

Date of Original Application: 17th September 2004

This Permit shall come into effect on the 11th March 2008

Signed: _____ **Date:** _____
G.E. Crossley
Environmental Services Manager
(an Authorised Officer of the Council)

Environment Division,
North West Leicestershire District Council,
Council Offices,
Coalville,
Leicestershire. LE67 3FJ

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1.0 General Conditions

1.1 Information Notes

- 1.1.1 This Permit is issued under Regulation 10 of the Pollution Prevention and Control (PPC) Regulations 2000 to operate an installation carrying out activities covered by the description in Section 3.1 (B) (b) in Part 1 to Schedule 1 of those Regulations:

Blending, Packing, Loading, Unloading and Use of Bulk Cement.

- 1.1.2 Aspects of the operation of the installation which are not regulated by conditions in this Permit are subject to the condition implied by Regulation 12 (10) of the PPC Regulations, i.e. Aggregate Industries (UK) Ltd shall use the Best Available Techniques for preventing or, where that is not practicable, reducing emissions from the installation. Some of the Clauses of this Permit may require Aggregate Industries (UK) Ltd to use Best Available Techniques (BAT) in each of the aspects of the management of the installation to prevent, and where that is not practicable to reduce, pollution. The Clauses do not give detailed instructions on what is BAT: for details Aggregate Industries (UK) Ltd should have particular regard to the relevant sector guidance document and any other relevant guidance.
- 1.1.3 Please note that other activities may take place on the site of this installation which are not regulated under this Permit.
- 1.1.4 The activities Permitted under Clause 1.1.1 shall not extend beyond the site boundary.

1.2 Records

- 1.2.1 Aggregate Industries (UK) Ltd shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
- (a) be made available for inspection by North West Leicestershire District Council at any reasonable time;
 - (b) be supplied to North West Leicestershire District Council on demand and without charge;
 - (c) be legible;
 - (d) be made as soon as reasonably practicable;
 - (e) indicate any amendments which have been made and shall include the original record wherever possible;
 - (f) be retained at the Permitted Installation, or other location agreed by North West Leicestershire District Council in writing, for a minimum period of four

years from the date when the records were made, unless otherwise agreed in writing; and

- (g) where they concern the condition of the site of the Installation or are related to the implementation of the Site Protection and Monitoring Programme, be kept at the Permitted Installation, or other location agreed by North West Leicestershire District Council in writing, until all parts of the Permit have been surrendered.

1.3 Reporting

- 1.3.1 All reports and written and/or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to North West Leicestershire District Council using the contact details notified in writing to Aggregate Industries (UK) Ltd by North West Leicestershire District Council.
- 1.3.2 Aggregate Industries (UK) Ltd shall, unless otherwise agreed in writing, submit reports of the monitoring and assessment carried out in accordance with the conditions of this Permit to North West Leicestershire District Council within twenty-eight days of the publication of the results.
- 1.3.3 Aggregate Industries (UK) Ltd shall review fugitive emissions, having regard to the application of Best Available Techniques, on an annual basis, or such other period as shall be agreed in writing by North West Leicestershire District Council and a summary report on this review shall be sent to North West Leicestershire District Council detailing such releases and the measures taken to reduce them within three months of the end of such period.
- 1.3.4 Where Aggregate Industries (UK) Ltd has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets, Aggregate Industries (UK) Ltd shall, not later than 31st January in each year, provide a summary report of the previous year's progress against such targets.
- 1.3.5 Aggregate Industries (UK) Ltd shall, within six months of receipt of written notice from North West Leicestershire District Council, submit to North West Leicestershire District Council a report assessing whether all appropriate preventative measures continue to be taken against air pollution, in particular through the application of the Best Available Techniques, at the Installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by Aggregate Industries (UK) Ltd, that may provide environmental improvement.

1.4 Notifications

1.4.1 Aggregate Industries (UK) Ltd shall notify North West Leicestershire District Council **without delay** of:-

- (a) the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
- (b) the detection of any fugitive emission which has caused, is causing or may cause significant pollution unless the quantity emitted is so trivial that it would be incapable of causing significant pollution;
- (c) the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause, significant pollution; and
- (d) any accident which has caused, is causing or has the potential to cause, significant pollution.

1.4.2 If any of the above could result in adverse health effects to the local population then Aggregate Industries (UK) Ltd shall additionally report this matter directly to the Primary Care Trust.

1.4.3 Aggregate Industries (UK) Ltd shall submit written confirmation to North West Leicestershire District Council and the Primary Care Trust of any notification.

1.4.4 Aggregate Industries (UK) Ltd shall give written notification as soon as practicable prior to any of the following:-

- (a) permanent cessation of the operation of part or all of the Permitted Installation;
- (b) cessation of operation of part or all of the Permitted Installation for a period likely to exceed one year; and
- (c) resumption of the operation of part or all of the Permitted Installation after a cessation as notified above.

1.4.5 Aggregate Industries (UK) Ltd shall notify the following matters to North West Leicestershire District Council in writing within fourteen days of their occurrence:-

- (a) any changes to the details of the “nominated person”

and where Aggregate Industries (UK) Ltd is a registered company:-

- (a) any change in Aggregate Industries (UK) Ltd’s trading name, registered name or registered office address;

- (b) any change to particulars of Aggregate Industries (UK) Ltd's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary); and
- (c) any steps taken with a view to Aggregate Industries (UK) Ltd going into administration, entering into a company voluntary arrangement or being wound up;

and where Aggregate Industries (UK) Ltd is a corporate body other than a registered company:-

- (a) any change in Aggregate Industries (UK) Ltd's name or address; and
- (b) any steps taken with a view to the dissolution of Aggregate Industries (UK) Ltd.

1.4.6 In any other case:-

- (a) the death of any of the named Operators (where Aggregate Industries (UK) Ltd consists of more than one named individual);
- (b) any change in Aggregate Industries (UK) Ltd's name(s) or address(es); and
- (c) any steps taken with a view to Aggregate Industries (UK) Ltd, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

1.5 Mobile Plant

1.5.1 As this permit is in respect of mobile plant, Aggregate Industries (UK) Ltd shall, within fourteen days of the plant moving to a new location:-

notify North West Leicestershire District Council in writing of

- (a) the new location of the plant and any changes to the details of the "nominated persons";
- (b) the name and address of the Local Authority in whose area the plant is located;
- (c) provide a location and site map indicating exactly where the plant is to be sited; and
- (d) provide details of the proximity of sensitive receptors including residential dwellings, offices, schools, SSSIs, water courses etc.

1.6 Confidentiality

- 1.6.1 Regulation 29 requires North West Leicestershire District Council to maintain a register of all installations and mobile plant for which it is the regulator. A considerable amount of information is contained on the register, including the application. If this Permit requires Aggregate Industries (UK) Ltd to provide information to North West Leicestershire District Council, the Council shall place that information on to the Public Register in accordance with the requirements of Regulation 29. If Aggregate Industries (UK) Ltd considers that any information provided is commercially confidential, it may apply to the Council to have such information withheld from the register, as provided in the Regulations. To enable the Council to determine whether or not the information is commercially confidential, Aggregate Industries (UK) Ltd should clearly specify the information in question and provide clear and precise reasons for its confidentiality.

1.7 Variation to the Permit

- 1.7.1 This Permit may be varied in future (by the Council serving a Variation Notice on Aggregate Industries (UK) Ltd) as per Regulation 17 of the PPC Regulations. If Aggregate Industries (UK) Ltd wishes to make a change in the operation of the installation he shall notify the Council. The notification must include a description of the proposed changes. If any changes to the conditions in the Permit are required a formal application to vary them must be submitted.
- 1.7.2 Any such change shall not be implemented until agreed in writing by North West Leicestershire District Council. As from the agreed implementation date, Aggregate Industries (UK) Ltd shall operate the Permitted Installation in accordance with that change and relevant provisions in the application shall be deemed to be amended.

1.8 Surrender of the Permit

- 1.8.1 Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the application to be successful, the application must contain the information required by Regulation 20 of the PPC Regulations.

1.9 Transfer of the Permit or Part of the Permit

- 1.9.1 Before the Permit can be wholly or partially transferred to another person, an application to transfer the Permit has to be made jointly by the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Council considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. If however the Permit authorises the carrying out of a specified waste management activity then the transfer will only be allowed if the proposed holder is considered to be a “fit and proper person”.
- 1.9.2 There are no off-site conditions.

1.10 Contact Details

- 1.10.1 If you require any further details or application forms mentioned above please contact North West Leicestershire District Council on 01530 454545 and ask to speak to an Environmental Protection Officer.

1.11 Permit Conditions

- 1.11.1 The requirements of the conditions attached to this Permit shall come into effect immediately unless otherwise stated.
- 1.11.2 The activity of blending cementitious materials for production of concrete shall comply with the standard of the Secretary of State’s Guidance Note **PG 3 / 1 (04)** “Blending, Packing, Loading, Unloading and Use of Bulk Cement ”.
- 1.11.3 Without prejudice to the other conditions of this Permit, Aggregate Industries (UK) Ltd shall implement and maintain a management system, organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.
- 1.11.4 A nominated person shall, at all times, be responsible for the implementation of the conditions of this Permit. North West Leicestershire District Council shall be informed within twenty-one days of the issue of this Permit of the name of the nominated person.

1.12 Interpretation

- 1.12.1 In this Permit, the following expressions shall have the following meanings:-

“Application” means the application for this Permit, together with any response to a notice served under Schedule 4 to the PPC Regulations and any operational change agreed under the conditions of this Permit.

“BAT” Best Available Techniques, means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent, and where that is not practicable, to reduce, emissions and the impact on the environment as a whole. For these purposes: “available techniques” means “those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to Aggregate Industries (UK) Ltd”: “best” means “in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole” and “techniques” “includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned”. In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT.

“Fugitive emission” means an emission to air from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.1 and 2.2 contained in Part 2 of this Permit.

“Monitoring” includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

“PPC Regulations” means the Pollution Prevention and Control (England and Wales) Regulations SI 2000 No. 1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit.

“Staff” includes employees, directors or other officers of Aggregate Industries (UK) Ltd and any other person under Aggregate Industries (UK) Ltd’s direct or indirect control, including contractors.

“Year” means calendar year ending 31st December.

- 1.12.2 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

2.0 Installation Details

2.1 The Activity

- 2.1.1 The activity is described in Section 3.1 (B) (b) in Part 1 to Schedule 1 of those Regulations:

Blending, Packing, Loading, Unloading and Use of Bulk Cement in the production of ready mixed concrete for the use on site in the manufacture of pre-cast concrete construction products.

2.2 Process Description

- 2.2.1 The plant consists of two aggregate hoppers, one bulk powder silo. All aggregates are fed via a covered inclined conveyor to a discharge chute, with cement/cement replacement fed by enclosed screw conveyor. The loading chute has a water fed dust suppression system fitted to prevent fugitive emissions.

All aggregates will be delivered in sheeted lorries and kept in three sided storage bays. Cement and cement replacements will be delivered in sealed tankers and blown into the silo fitted with a filtration system. The silos have reverse air jet filters. Air that is displaced as filling takes place is vented to atmosphere via the filters, cleaning the air to current legal requirements. Any aggregate dust that settles on the floor will be cleaned up as part of general good house keeping duties on site.

- 2.2.2 All operations will take place to the standards set out in Secretary of State's Guidance Note **PG 3/1 (04)** "Blending, Packing, Loading, Unloading and Use of Bulk Cement".

2.3 Plant Detail

- 2.3.1 This permit relates to a mobile concrete batching plant.

2.4 Operational Changes

2.4.1 Aggregate Industries (UK) Ltd shall seek North West Leicestershire District Council's written agreement under condition 2.4.2 to any operational changes to this Permit, by way of variation, and shall include:

- (a) A description of the nature of the proposed change;
- (b) Any increase in the storage of raw materials;
- (c) The nature and quantity of any emission;
- (d) Details of the technology being applied to reduce such emissions, and associated emissions monitoring;
- (e) Any other relevant information.

Minor plant modifications are permissible as long as they do not contravene the operational requirements of the application or the Permit, do not affect releases to air, and are notified to North West Leicestershire District Council 14 days prior to making that change.

2.4.2 Any such change shall not be made until agreed in writing by North West Leicestershire District Council. From the implementation date, Aggregate Industries (UK) Ltd shall operate the Permitted Installation in accordance with that change, and the relevant provisions of the application shall be deemed to have been amended.

3.0 Operational Conditions

3.1 Emission Limits and Controls

3.1.1 The following emission limits shall apply:

- (a) Whole process: No visible emissions of dust across the site boundary.
- (b) Silo inlets and outlets: No visible emissions.

3.1.2 The only point source of emissions is the silo top filter. This is designed to operate to an emission standard of **less than 10 mg/m³** for particulate matter and this level shall not be exceeded.

3.1.3 The silo has an overfill protection system, an air filter and a pressure relief valve. The pressure relief valve will only activate, if the other two systems do not operate. In the event of the pressure relief valve operating the delivery will cease immediately.

3.2 Monitoring, Sampling and Measurement of Emissions

3.2.1 Aggregate Industries (UK) Ltd shall ensure that a responsible employee of the company is nominated to undertake all visual monitoring of emissions, or any other inspections required by this Permit.

3.2.2 A log book shall be kept containing a record of all assessments, required by conditions 3.2.4, 3.2.5, 3.2.6, 3.2.7, 3.2.8, 3.2.9 and 3.2.10. The record shall include the time and date of the assessment, the result, and the name of the person undertaking the assessment. In addition any corrective or remedial action must be recorded.

3.2.3 Records shall be kept of inspections, tests and monitoring, including all non-continuous monitoring, inspections and visual assessments. The records should be:

- (a) Kept on-site;
- (b) Kept by Aggregate Industries (UK) Ltd for at least four years; and
- (c) Made available for North West Leicestershire District Council to examine.

- 3.2.4 A visual emissions inspection of **5 minutes** duration shall be undertaken during silo filling as it is most likely that any emissions would be released during the first and last **5 minutes** of the delivery. The first few minutes are when emissions due to leaks or split hoses would be noticed. The last few minutes are when excess pressure from the tanker / blowing system may cause an emission through the pressure relief valve if the delivery is not controlled correctly.
- 3.2.5 Any historical records kept off-site should be made available for inspection within one working week of any request by North West Leicestershire District Council.
- 3.2.6 Reverse air jet filtration units, fitted to bulk storage silos, shall be visually inspected at least once a month by a competent person. If defects are found, corrective action shall be taken prior to further deliveries being accepted.
- 3.2.7 Pressure relief valves fitted to bulk silos, shall be inspected on a weekly basis to ensure correct seating. Should a valve become unseated, no deliveries shall be made to the affected silo, until the defect has been rectified.
- 3.2.8 Audible and visual high level alarms fitted to silos shall be tested weekly to ensure correct operation.
- 3.2.9 A visual assessment of the site (including the plant and yard areas) shall be undertaken during every working day.
- 3.2.10 Adverse results or emissions shall be investigated and identified immediately. When a cause of adverse emissions has been identified, corrective action must be taken.

3.3 Abnormal Events

- 3.3.1 North West Leicestershire District Council needs to be notified about certain events, whether or not there is related monitoring showing an adverse result, and Aggregate Industries (UK) Ltd should respond to problems, which may have an adverse effect on emissions to air.
- 3.3.2 In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions Aggregate Industries (UK) Ltd should:
- (a) Investigate and undertake remedial action **immediately**;
 - (b) Adjust the process or activity to minimise those emissions, and
 - (c) Promptly record the events and actions taken.
- 3.3.3 North West Leicestershire District Council should be informed without delay:
- (a) If there is an emission that is likely to have an effect on the local community;
or
 - (b) In the event of the failure of key arrestment plant.

3.4 Operational Controls

- 3.4.1 All bulk reception silos, used for the storage of cement, must be fitted with the following:
- (a) Filtration units for the filtering of silo exhaust air, and;
 - (b) Audible and visual high level alarms.
- 3.4.2 All site operations shall be managed in a manner so as to minimise the generation of windborne particulates.
- 3.4.3 All tankers delivering cement must be capable of delivery without over pressurisation of the reception silo. Tankers must depressurise either through the silo or via their own on-board system; in order to minimise dust emissions at all times.
- 3.4.4 All spillages of finely powdered material shall be cleaned as soon as practicable. Spillages of finely divided materials shall be cleared by wet methods. In the case of large or bulk spillages of fine material, cleaning should be carried out via the use of vacuum methods fitted with suitable arrestment.
- 3.4.5 Roadways in normal use and any other area where there is regular movement of vehicles shall be hard surfaced, where appropriate and kept clean in order to prevent or minimise dust emissions. Where necessary, wheel cleaning facilities shall be provided and used by vehicles before leaving the site. Vehicle exhausts shall not, wherever practical, be directed below the horizontal.
- 3.4.6 Effective preventative maintenance shall be employed on all plant and the equipment concerned with the control of emissions to air.
- 3.4.7 Any malfunctions or breakdown leading to abnormal emissions shall be dealt with promptly and the process operations adjusted until normal operations can be restored. All such malfunctions shall be recorded in the log book. If there is likely to be an effect on the local community, North West Leicestershire District Council shall be informed without delay.
- 3.4.8 Key arrestment plant, the failure of which shall be notified to North West Leicestershire District Council immediately, includes the following:
- (a) Filtration units for the filtering of silo exhaust air

3.5 General

- 3.5.1 North West Leicestershire District Council are statutorily obliged to include conditions in any Permit they issue which are designed to ensure that the process is operated using the Best Available Techniques (BAT) to prevent and minimise emissions of prescribed substances and to render harmless any substance that may be emitted.
- 3.5.2 In addition to the specified conditions included in this Permit, a duty is implicitly imposed on Aggregate Industries (UK) Ltd to use BAT in relation to any aspect of the installation that is not covered by the specific conditions. This is the so-called 'residual' BAT duty. The Secretary of State's Process Guidance Notes (PGs) contain the Secretary of State's views on the techniques appropriate, in order to achieve the BAT objectives.
- 3.5.3 Essentially they relate to any aspect of the process not regulated by the specific conditions in this Permit and require that the best available techniques shall be used:-
- (a) for preventing the release of substances prescribed for air into the air or, where that is not practical by such means, for reducing the release into the air of such substances to a minimum and for rendering harmless any such substances which are so released, and
 - (b) for rendering harmless any other substances which might cause harm if released into the air.
- 3.5.4 Staff employed on the premises shall be given such information, training and supervision, as is necessary for the achievement of compliance with this Permit. Matters covered by such information in training shall include:-
- (a) start up and shut down of process operation,
 - (b) plant failure and other emergencies,
 - (c) inspection and monitoring procedures, as specified in these conditions.
- Adequate arrangements shall be made for deputising for the nominated person in the event of a holiday, sickness or other absence.
- 3.5.5 Nothing in this Permit shall be taken to imply a standard lower than that required under the provisions of the Health and Safety at Work etc. Act 1974, or under the relevant statutory provisions as defined in Section 53 of that Act.
- 3.5.6 Safe access shall be provided to enable monitoring to be carried out by employees or contractors of the company, an authorised officer of North West Leicestershire District Council or any consultants employed by them.
- 3.5.7 Effective control of emissions requires the maintenance and proper use of equipment, the proper supervision of process operations, good housekeeping standards and, where appropriate, checking for visible and odorous emissions. Effective preventative

maintenance shall be employed on all plant and the equipment concerned with the control of emissions to air.

- 3.5.8 Essential spares and consumables – in particular those subject to continual wear – shall be held on site or be available at short notice from suppliers, in order to rectify breakdowns rapidly.
- 3.5.9 The breakdown of the particulate arrestment plant shall be reported to North West Leicestershire District Council without delay.
- 3.5.10 A high standard of housekeeping shall be maintained.