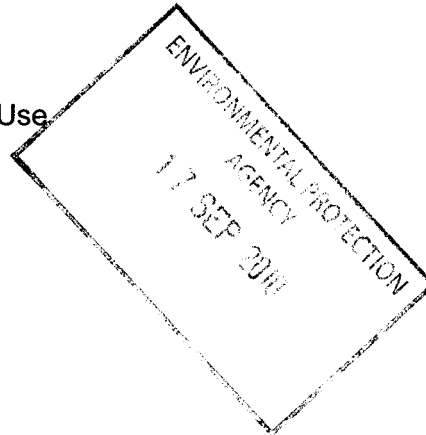


16 September 2010

Licensing Unit
Office of Climate Change, Licensing and Resource Use
Environmental Protection Agency
Headquarters,
P.O. Box 3000,
Johnstown Castle Estate
County Wexford



Our Ref: 501.00059.00017
Your Ref: W0269-01

Dear Sir/ Madam

**RE: ROADSTONE WOOD LIMITED : WASTE LICENCE APPLICATION
FASSAROE WASTE RECOVERY FACILITY
RESPONSE TO SECTION 16 REQUEST FOR FURTHER INFORMATION**

Further to your letter dated 6 September last issued in accordance with Article 16(1) of the Waste Management (Licensing) Regulations, we have herein provided the additional information, particulars and evidence requested to allow you finalise consideration of the licence application.

We have addressed each of the queries raised in your letter in turn below:

(i) What is the Reference Number for the Waste Facility Permit obtained from Wicklow County Council in July 2009 that authorised commencement of the soils recovery at the Fassaroe site?

Wicklow County Council issued a waste permit to Roadstone Dublin (as it then was) providing for soil recovery at its Fassaroe site on 4 March 2009. The waste permit reference number is ESS15/8/12. The permit is No. 343 on the Council's register of permitted site. A copy of the waste permit is attached for information purposes.

(ii) What is the name of the current Site Manager?

The current site manager is Fearghal Phillips. He has replaced Robert Moore as the nominated manager for the waste recovery operations at Fassaroe.

(iii) Submit supporting evidence to demonstrate that the current site manager has the technical ability to effectively manage the operations at the site (eg. the appropriate FAS or FETAC certification).

Fearghal Phillips holds a degree in mechanical engineering and a post-graduate diploma in quarry management. He also recently attained a Masters in Business Administration (MBA) from the Open University.

Fearghal currently has no formal recognised training or qualifications in management of waste facilities. He has however been based at Belgard Quarry for a number of years and part of his role there has been to manage the on-site construction and demolition waste recovery facility and waste generated by extractive and production activities in general. Fearghal has committed to attend the Waste Management Course organised by the Environmental Training Unit in FAS commencing on October 19th and 20th 2010 and scheduled for completion in February 2011.

Roadstone Wood considers that Fearghal's qualifications and experience make him a fit and proper person to manage the waste recovery facility at Fassaroe.

An updated and amended version of Section C and Attachment C1 of the waste licence application is attached to reflect changes in structure and personnel in the Applicant's business since the waste licence application was first lodged in May 2009.

(iv) Provide an estimate of annual sales of recycled (secondary) aggregate

The most recent data available indicates that approximately 5000 tonnes of secondary aggregate was sold from the Fassaroe C+D recovery facility in the year to the end of 2009.

(v) Provide a description of the manner in which rainwater falling in the vicinity of the Waste Quarantine Area is managed. On a visit to the site on 09/06/10, a considerable amount of rainwater was observed to have collected in the area.

The proposed Waste Quarantine and Inspection Area intended to service the Fassaroe Waste Recovery Facility comprises an unused covered shed, open on one side within the confines of the existing concrete production yard at Fassaroe.

The production yard is located within a localised topographical closed depression formed by previous quarrying activity. As such, any surface water run-off captured by the drainage system in the yard cannot flow under gravity toward any external drainage channel or watercourse and must therefore be pumped from a sump at a low point behind the unused shed to settlement ponds at a higher level. As explained in the waste licence application, water collecting in settlement ponds at the Fassaroe site is either re-used in concrete production or discharges through the base and sides of the unlined ponds into the underlying, unsaturated natural ground and percolates down to the groundwater table at depth.

At the time of the site inspection in June 2010, there was no concrete production activity in Fassaroe, and pumping of surface water run-off across the yard had ceased. It is understood that since the time of the site inspection, concrete production has recommenced at Fassaroe and that surface water run-off collected by drains and the sump in the yard is currently being pumped to settlement ponds at a higher level, beyond the concrete production yard.

Roadstone Wood is prepared to provide an undertaking that at all times when the waste licence facility is operational, the pumps at the concrete production yard will remain in operation and will maintain the concrete production yard and Waste Quarantine and Inspection Area free of ponded water on a continuous basis.

(vi) What are the Water Framework Directive risk categories for the Cookstown and Dargle Rivers?

Inspection of the 2004 Characterisation Report for the Eastern River Basin District (ERBD) published on the www.erbd.ie website indicates that the Cookstown River is deemed to be '*probably not at significant risk*', whereas the Dargle River is deemed to be '*at significant risk*'. The overall status of the Cookstown River is currently classified as '*good*' on the basis of available hydrological, water quality, ecological and morphological data whereas that of the Dargle River is currently classified as '*moderate*'.

We trust that the answers provided above adequately address the issues raised in your letter and that you will shortly be in a position to issue a proposed determination on this waste licence application.

Yours sincerely
SLR Consulting Ireland



Derek Luby
Technical Director

cc Ronan Griffin (Roadstone Wood)

Enc Wicklow County Council Waste Permit No. 343
Amended Waste Licence Application – Section C
Fassaroe Waste Recovery Facility: Management Structure

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Comhairle Chontae Chill Mhantáin
WICKLOW COUNTY COUNCIL

Aras An Chontae
Cill Mhantáin
Telefón : (0404) 20196
Fax No : (0404) 67792
Intl VPN : 1035 2296
E-Mail: env@wicklowcoco.ie
Web: www.wicklow.ie

Your Ref:

Our Ref:

Ess/15/8/12(343)
LB/JC

4th March, 2009.

Roadstone Dublin Ltd
Belgard
Fortunestown
Dublin 24

Re: Waste Management Acts, 1996 to 2008
Waste Management (Permit) Regulations, 1998
Application for Waste Permit – Roadstone Dublin Ltd,
Belgard, Fortunestown, Dublin 24
Location: Fassaroe Sand and Gravel Pit,
Fassaroe, Bray, Co. Wicklow

A Chara,

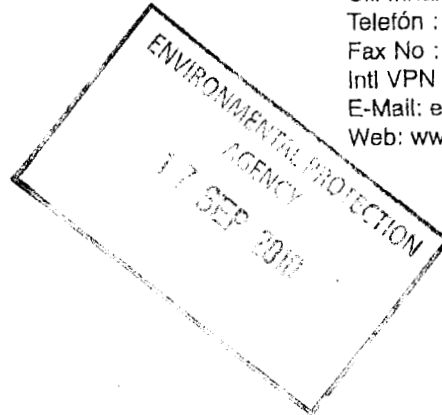
I enclose, herewith, Waste Permit granted for a Class 4 Recovery activity located at Fassaroe Sand and Gravel Pit, Fassaroe, Bray, Co. Wicklow and dated 4th March, 2009.

This matter is being dealt with by Ann Whelan at 0404 20100 ext. 2502.

Mise, le meas,


PHILIP DUFFY
SENIOR EXECUTIVE OFFICER
WATER AND ENVIRONMENTAL SERVICES.

All correspondence should be addressed to the Senior Executive Officer, Water & Environmental Services,
Wicklow County Council, County Buildings, Wicklow.



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Reasons for the Decision

Wicklow County Council is satisfied, on the basis of the application received and the information available, that subject to compliance with the conditions of this Waste Permit, the activities concerned will not cause environmental pollution and any emissions from the activities will comply with and not contravene any of the requirements of Section 5 of the Waste Management (Permit) Regulations 1998.

Part 1: Activities Permitted

In pursuance of the powers conferred on it by the Waste Management Acts, 1996 to 2007 and the Waste Management (Permit) Regulations 1998, Wicklow County Council proposes, under Section 5 of the said Regulations to grant this Waste Permit to **Roadstone Dublin Ltd, Belgard, Fortunestown, Dublin 24** to carry out the waste recovery activities listed below subject to 11 conditions, with the reasons therefore.

Permitted Waste Recovery Activity in accordance with the First Schedule of the Waste Management (Permit) Regulations 1998 is as follows:

Activity 5 The recovery of waste (other than hazardous waste) at a facility (other than a facility for the composting of waste where the waste held at the facility exceeds 1000 cubic meters at any time).

The waste recovery activity is in accordance with the Fourth Schedule of the Waste Management Acts, 1996 to 2007; the activity concerned being **Class 4**

CLASS	DESCRIPTION
4	Recycling or reclamation of other inorganic materials.

Part 2 Conditions

Condition 1: Scope

- 1.1 For the purpose of these conditions the site is that outlined in red on drawing indicated on Figure 3 in the Waste Permit application produced by John Barnett & Associates Ltd and submitted in May 2008, which covers an area of 0.88 hectares.
- 1.2 This Permit shall only apply to the site described in Condition 1.1 and detailed on drawings indicated on Figure 3, 4, and 5 in the Waste Permit application produced by John Barnett & Associates Ltd and submitted in May 2008. This Waste Permit is strictly non-transferable.
- 1.3 The Waste Permit holder may apply for a review of the Waste Permit in accordance with Article 31 of the Waste Management (Facility Permit and Registration) Regulations S.I No.821 of 2007 as amended by the Waste Management (Facility Permit and Registration) (Amendment) Regulations S.I No.86 of 2008.
- 1.4 This Permit is for the purposes of the Waste Management (Permit) Regulations 1998 and no conditions in this permit shall be construed as negating the Permit Holders statutory obligation or requirement under any other enactments or regulations (i.e. Planning Acts).
- 1.5 Conditions outlined in planning permission Ref. 08/1258 shall be complied with in their entirety.
- 1.6 This permit shall expire 36 months from the date of grant.
- 1.7 The elevations of the final surface shall be consistent with those indicated on Fig. 5 Sections A-A', B-B', and C-C', in the Waste Permit application produced by John Barnett & Associates Ltd submitted in May 2008.
- 1.8 Where Wicklow County Council considers that non-compliance with the conditions of this permit has occurred, it may serve notice on the Permit Holder to address the non-compliance.
- 1.9 Accumulated quantities of processed product and unprocessed waste materials shall not be of a quantity as to cause an environmental nuisance.
- 1.10 Unless otherwise agreed with Wicklow County Council only inert soil/clay 17 05 04, and specific quantities of clean uncontaminated concrete 17 01 01 and bricks 17 01 02 in quantities indicated in the Waste Permit application produced by John Barnett & Associates Ltd submitted in May 2008 may be accepted at the Waste Permit facility.
- 1.11 The maximum combined quantity of all categories of waste material to be imported on to the site shall not exceed 95,000 tonnes during the lifetime of the Waste Permit Facility.

<i>Reason: To clarify the scope of this Permit</i>
--

Condition 3: Notification and Record Keeping

- 3.1 The Permit Holder shall notify Wicklow County Council within seven days of
- The imposition of any requirement on the Permit Holder by order under section 57 or 58 of the Waste Management Acts 1996 to 2007 or
 - Any Conviction of the Permit Holder for an offence prescribed under Section 34(5) or 40(7) of the Waste Management Acts 1996 to 2007.
- 3.2 The Permit Holder shall maintain a written record for each load of material entering or leaving the site in an official site register.
- 3.3 Records shall be kept on site in a site register and shall include the following information:
- (i) Name of the carrier.
 - (ii) Description and origin of the material in each load.
 - (iii) The dates and times of all waste deliveries to the site and vehicle registration numbers.
 - (iii) The quantity of the materials, estimated in tonnes and recorded in loads.
 - (iv) Where loads are removed or rejected, details of the material and the place to which they were removed.
- 3.4 The Permit Holder shall immediately notify Wicklow County Council by telephone/fax of any incident which occurs as a result of the activity on the site, and which:
- (i) Has the potential for environmental contamination of surface water or groundwater, or
 - (ii) Poses an environmental threat to air or land, or
 - (iii) Requires an emergency response by the Council
- Full details shall be forwarded in writing on the next working day.
- 3.5 The Permit Holder shall maintain a written record of all complaints of an environmental nature related to the site. Each such record shall be contained on the site register and shall include the following information:
- (a) Date and time of complaint.
 - (b) Name of complainant.
 - (c) Details of the nature of the complaint.
 - (d) Action taken on foot of the complaint.
 - (e) Response to each complainant.
- 3.6 The Permit Holder shall submit a comprehensive Annual Environmental Report (AER) to the Council on the activities no later than the 28th day February in each year. Should the Permit duration date have expired before this day, an Environmental Report shall be submitted within one month from the date of activities ceasing. The Environmental Report shall include such information as that requested in an AER.

Condition 4: Site Infrastructure

- 4.1 Within one month of the date of the grant of this Permit the Permit Holder shall provide and maintain a Site Notice Board at the entrance to the facility. The minimum dimension of the identification board shall be 1200mm by 750mm. The Board shall clearly show:
- (a) The name, address and telephone number of the Permit Holder.
 - (b) The permit number and date of grant of the permit.
 - (c) The normal opening hours of the facility.
 - (d) The name, address and telephone number of Wicklow County Council.

Traffic Management

- 4.2 At no time over the course of permit activities shall the HGV numbers associated with the infill activities exceed 20 HGV movements per hour as delineated in the WSP Consulting Engineers report.
- 4.3 Prior to commencement of any infill activities as permitted by this permit the improved traffic calming measures as identified in the report by WSP Consulting Engineers, dated August 2007, shall be carried out in full.
- 4.4 In order to protect the pavement integrity of the public road network the volume of HGV movements accessing the site during permitted operational hours shall be limited to a maximum of 100 HGV movements per working day with a maximum of 20 HGV movements per hour as delineated in the WSP Consulting Engineers report.
- 4.5 The site entrance and access roads shall be maintained to the satisfaction of Wicklow County Council. Roadways shall be maintained to ensure the safe movement of vehicles within the facility. No traffic queuing shall be allowed on the public road.

Fuel Storage and Refuelling

- 4.6 No fuel shall be stored within the permitted area.
- 4.7 Refuelling of all plant associated with the infill operation shall not take place within 50 metres of any surface water.
- 4.8 All fixed or mobile refuelling stations or apparatus shall be adequately bunded to a volume not less than the greater of the following:
- 110% of the capacity of the largest tank or drum within the bunded area.
- 4.9 The permit holder shall have in storage an adequate supply of containment booms and absorbent material to contain any spillage that may occur at the facility.

Condition 5: Materials Acceptance and Handling

- 5.1 The permit holder shall only accept such wastes for recovery at this permitted facility provided for in this permit and which are listed. Wastes not listed within this condition are not permitted at this facility.

EWC CODES	DESCRIPTION
17 05 04	Construction and Demolition Waste-Soil and stones other than those mentioned in 17 05 03
17 01 01	Construction and Demolition Waste-Concrete
17 01 02	Construction and Demolition Waste-Bricks

- 5.2 The maximum tonnage of waste shall not exceed **95,000** tonnes for the duration of this Permit.
- 5.3 All materials entering the site shall be subject to a visual inspection. All material inspected and deemed suitable shall be permitted onto the site. Any contaminated material shall be moved to the Waste Quarantine Area from where it shall be removed off-site by an authorized hauler to an appropriate facility.
- 5.4 The Permit Holder shall incur all cost for the removal of unsuitable material.
- 5.5 This permit is solely for the recovery of waste materials specified in Condition 5.1. This permit does not constitute a disposal activity.
- 5.6 The site shall be adequately secured so as to avoid "fly tipping". The Permit Holder shall remove any such material within 24 hours to an appropriate facility. A maximum of 100 trucks per day may enter and deposit material on the site in accordance with Condition 4.4 of this permit. Records of these depositions shall be kept in strict accordance with Conditions 3.2 and 3.3 of this Permit.
- 5.7 The Permit Holder shall not allow any over-spill of waste or surface water run-off beyond the site perimeter or into any watercourses or drains.
- 5.8 The Permit Holder shall ensure that all contractors delivering to the site currently hold a valid Waste Collection Permit from the relevant Local Authority or has applied and is legally entitled to collect and transport waste material.

Reason: To provide for the acceptance and management of materials authorised under this permit.

Reason: To provide for the control of nuisances.

Condition 7: Emissions and Environmental Impacts

- 7.1 The Permit Holder shall ensure that all operations on the site are carried out in a manner such that air emissions or odours or noise do not result in significant impairment of or significant interference with amenities or the environment beyond the boundary.
- 7.2 Equivalent noise levels attributable to all onsite operations associated with the development shall not exceed 55 dB(A) (Leq) over a continuous one hour period between 0800 hours on Monday to Friday inclusive, and 0800 hours and 1300 hours on Saturday, when measured at any noise sensitive receptor. Sound levels shall not exceed 45 dB(A) over a continuous one-hour period at any other time.

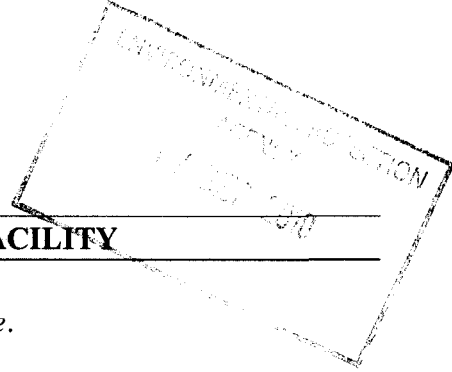
Reason: To control emissions from the site and provide for the protection of the environment.

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Condition 9: Contingency Arrangements

- 9.1 Unless otherwise notified in writing by Wicklow County Council in the event that any monitoring, sampling, complaints or observations indicate that an incident has occurred, or may have occurred, the Permit Holder shall immediately:
- (a) Identify the date, time and place of the incident.
 - (b) Carry out an immediate investigation to identify the nature, source and cause of the incident and any emission.
 - (c) Isolate the source of the emission.
 - (d) Evaluate the environmental pollution, if any caused by the incident.
 - (e) Identify and execute measures to minimise the emissions/malfunctions and the effects thereof.
 - (f) Provide a proposal to Wicklow County Council for its agreement within two weeks to (i) identify and put in place measures to avoid recurrence of the incidents and (ii) identify and put in place any other appropriate remedial action.
- 9.2 Failure to comply with permit conditions may result in legal proceedings being initiated.
- 9.3 The permit holder prior to commencement of waste activities at the facility, ensure that a documented Emergency Response Procedure is in place, which will address any emergency situation, which may originate on-site. This procedure shall include provision for minimising the effects of any adverse that may be caused to the environment.

Reason: *To provide for the protection of the environment.*



SECTION C MANAGEMENT OF THE FACILITY

Advice on completing this section is provided in the *Guidance Note*.

C.1 Technical Competence and Site Management

This information should form **Attachment C 1**.

Details of the applicant's experience and qualifications, along with that of other relevant employees, should be summarised as shown below. Statements of duties, responsibilities, experience and qualifications should be submitted for each position named below. Additional information, including the management structure and an organisational chart, should be included in **Attachment C 1**.

Name	Position	Duties and Responsibilities	Experience /Qualifications
Ronan Griffin	Property Manager	Liaison with Regulatory Authorities; Ensuring Compliance with Waste Licence Conditions; Management of Staff (including consultants), Contractors, Plant and Human Resources;	<i>Professional Qualification in Quarry Management</i> Doncaster College (1994-97) <i>Foundation Course in Environmental Management</i> IBEC/Cork Institute of Technology (2000-01) <i>BA in Industrial Relations and Personnel Management</i> National College of Ireland, IFSC, Dublin 1 (2003-04)
Fearghal Phillips	Facility Manager	Day to day site management Waste classification and testing, Establishment and monitoring of waste handling and acceptance procedures; Environmental monitoring	<i>BE Mechanical Engineering</i> UCD 1995-1999 <i>Professional Qualification in Quarry Management</i> Doncaster College <i>Masters in Business Administration(MBA)</i> Open University (2005-08)

C.2 Environmental Management System

Attachment C 2 should contain an outline of the Environmental Management System (EMS) details proposed.

C.3 Hours of Operation

Attachment C 3 should contain details of the proposed hours of operation for the waste facility.

- (a) Proposed hours of operation.
- (b) Proposed hours of waste acceptance/handling.
- (c) Any other relevant hours of operation expected.

Fassaroe Waste Recovery Facility Management Structure

