

Art 16 Reply

BORD NA MÓNA 

Environmental Protection Agency
13 MAR 2013

F.A.O. Ms. Ewa Babiarczyk
EPA, 11/03/13

Re: W0253-01 Clean Ireland Recycling Ltd

Dear Ms Babiarczyk,

Further to your letter dated 13th February 2013, Notice in accordance with Article 16(1) of the waste Management (Licensing) Regulations, please find responses to your request for further information below.

1. **Having Regard to the fact that Belmullet Meteorological Station is located approximated 170km from the installation and that there are other meteorological stations in closer proximity to the facility, provide reasons for using meteorological data from the Belmullet station in the air dispersion model.**

The selection of the Meteorological station is not based on proximity to the facility being modelled. The main selection criteria is annual wind speed as per AG4 issued by the EPA Section 6.1 sets out the bases of selecting the most suitable Met station in this case Belmullet. My selection is based on the attached evidence.

2. **State whether there will be other parameters, beside Nitrogen Dioxide, Carbon Monoxide and Sulphur Dioxide, emitted from CHP plant. Provide an air dispersion modelling assessment for each of these parameters and update Section E.1: Emissions to Atmosphere of the Application Form to reflect the emissions of any parameters not previously identified.**

The manufacturers of the CHP engine outline in their technical specifications for the technology, that these are the only parameters emitted from the engine. During examination of the selected CHP engine and consequent consultation with local distributors during the air dispersion modelling work, it is our understanding that there would be no other significant parameters that would require modelling.

3. **Table F.2.2 of the information dated 23 February 2012 shows the location of the proposed stack in Co. Cork. Re-submit the grid reference numbers for the proposed stack.**

The grid reference provided was 102720N, 165889E. The correct reference is 102720E, 165889 N.

4. Clarify whether the proposed stack height of 14m is height from the ground level to the top of the stack or from a top of a building to the top of the stack. State whether the modelling takes the cumulative height into account.

The CHP engine stack height of 14m is 'height from the ground level'.

5. Provide a copy of the planning permission for the proposed works, including the proposed CHP stack, and the corresponding inspectors report.

A copy of the planning permission Ref P09/1270, granted 30th August 2010 has been provided. The development will consist of (a) Permission for extensions (2014m²) to existing processing buildings (3070m²) previously granted Planning Reference Number P04/2710, (b) permission for biostabilisation building, (c) permission for glass bunker storage area and (d) permission for end of life vehicles workshop area including ancillary works at Ballinagun West Cree, Co. Clare.

*In relation to the permission granted for (b) biostabilisation building this includes permission for CHP engine with a stack height of **8m from the ground**. This permitted height is due to the original planning application being processed before the air dispersion model was subsequently requested by EPA under Article 16(1). As the permission granted is for 8m, Clean Ireland Recycling Ltd. do not have permission for 14m for the stack and will have to obtain new planning permission 'extension of stack by 6 meters to previously granted stack height of 8 meters' from previous planning ref P09/1270. This permission for 14m would be valid for 5 years.*

However due to commercial reasons, Clean Ireland Recycling Ltd. will not be at this time applying for permission for the extension of height for the CHP engine stack. This is due to a decision not to build the CHP engine/stack process infrastructure in the medium term to long term. This infrastructure relates to dry fermentation chambers for the dry digestion (AD) process where the biomass is heated to 37-40°C and biogas production is facilitated. This biogas would be drawn off the tunnels and stored prior to use in the CHP gas engine. After 5 years, Clean Ireland Recycling Ltd do plan to build the fermentation chambers and convert the biogas to electricity. At this time, planning permission will have been sought for the extension to the CHP engine stack. Therefore all elements of the waste licence applied for still stand which will permit the Clean Ireland Recycling Ltd. facility to convert up to 15,000 tonnes per year of biodegradable materials.

In the interim, approximately 5,000 tpa of brown bin waste collected from domestic and commercial customers is being diverted to McDonnell Farm Biogas Ltd., where Clean Ireland Recycling Ltd have entered into a joint

venture to accept and treat the organic waste. None of the waste is stored or handled at Clean Ireland Recycling Ltd. facility. This arrangement was set up during the waste licence application process (which experienced significant delays), as the company could not accept the tonnage of brown bin waste in the absence of a waste licence. This alternative practice will continue until the Biostabilisation plant is completed to include the fermentation process and associated infrastructure.

Excluding the fermentation process and associated infrastructure, Clean Ireland Recycling Ltd. will however, commence building the composting elements of biostabilisation plant for the mechanical sorting of organic fines from refuse waste and composting of same, estimated to be 5,000 tpa.. The in-vessel composting of the bio-waste will take place in closed aerated tunnels for 14-28 days. Following composting, screening of the material will take place to separate different size particles. The screened compost will be transferred to a pasteurisation tunnel and heated in the presence of oxygen to 60-80 degrees C for sixty minutes in accordance with the Animal by-products regulations. After the pasteurisation, the blowers automatically revert to heat exchange mode to bring the temperature down and thus facilitate further mesophilic maturation during the remaining 4-7 days. The final product will be transferred to the compost storage area at the rear of the biostabilisation plant. These elements are as detailed in the revision of the EIS & Waste licence with no changes applied.

In the long term, Clean Ireland Recycling Ltd. still wish to have all elements, as applied for, licensed for future expansion of the plant in the long term to include the dry fermentation process and biogas treatment. At this time planning permission will be sought for 14m stack for the CHP engine.

Clean Ireland Recycling Ltd. do not have a copy of the inspectors report in relation to 14m stack as planning for the extension has not been sought as yet.

There is no amendment required to the non-technical summary or drawings included in this response. Trusting this is to your satisfaction, on behalf of our Client please find enclosed 2 no. hardcopies of the response document; Please don't hesitate in contacting me.

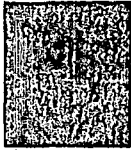
Yours Sincerely,



Ms. Helen Behan
Environmental Consultant
Bord na Mona Plc
Main Street,
Newbridge, Co. Kildare.
045 439376

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CLARE COUNTY COUNCIL
Comhairle Chontae an Chláir

Clean Ireland Refuse & Recycling Ltd.
C/o Helen Behan Technical Services
Bord na Mona Main Street
Newbridge
Co. Kildare

Planning Section
 New Road
 Ennis
 Co. Clare

10 September, 2010

Roinn Pleanála
 Bothar Nua
 Inis
 Contae an Chláir

RE: Planning Ref. No. P09/1270

A Chara,

I attach herewith a Grant of Planning Permission subject to 13 No. Conditions in respect of the above planning application. **This grant of permission expires on 29th August, 2015.**

T: +353 65 682 1616
 F: +353 65 682 8233
 E: plannoff@clarecoco.ie

It is important that this Grant of Permission is read carefully as all conditions attached to the grant of permission must be complied with in full.

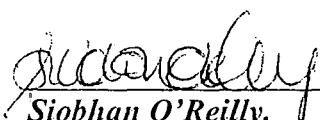
In the case of Pre-Development Conditions please ensure that Conditions No's. 3, 4, 5, 10 and 11 are complied with before the development commences.

Prior to commencement of development please remit to the Planning Authority the sum of **€152,406.43** in respect of the Contribution required by Condition No. 4. I attach a Proforma Invoice which details the breakdown of these charges under the current Development Contribution Scheme. **Please note that this amount will be adjusted with effect from January 1st next, (unless previously discharged) in accordance with the Council's Development Contribution Scheme.**

Please find attached herewith a Commencement Notice, which must be completed and submitted between 14 and 28 days before commencement of the development to the address specified. This requirement is in accordance with the Building Control Regulations 1997.

I am obliged to inform you that the commencement of development prior to the discharging of all pre-development conditions to the satisfaction of the Planning Authority constitutes unauthorised development and as such may result in Enforcement proceedings being commenced without further notice.

Mise le meas,


Siobhan O'Reilly,
Senior Staff Officer,
Planning, Land Use and Transportation.



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CLARE COUNTY COUNCIL

**PLANNING AND DEVELOPMENT ACT 2000–2007 NOTIFICATION OF
GRANT FOR A PERMISSION (SUBJECT TO CONDITIONS) UNDER
SECTION 34 OF THE PLANNING AND DEVELOPMENT ACT 2000**

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TO: Clean Ireland Refuse & Recycling Ltd.
C/o Helen Behan Technical Services
Bord na Mona
Main Street
Newbridge
Co. Kildare

Planning Register Number: P09/1270

Application Received on: 17/12/2009

Further Information Received on: 09/06/2010

Application of Clean Ireland Refuse & Recycling Ltd., C/o Helen Behan Technical Services, Bord na Mona, Main Street, Newbridge, Co. Kildare for development which will consist of: (a) Permission for extensions (2014m²) to existing processing buildings (3070m²) previously granted Planning Reference Number P04/2710, (b) Permission for biostabilisation building, (c) Permission for glass bunker storage area and (d) permission for end of life vehicles workshop area including ancillary works at Ballinagun West Cree Co Clare. An Environmental Impact Statement accompanies this application and a Waste Licence application (Ref. No. W 0253–01) has been made to the Environmental Protection Agency.

Having regard to the existing use established on site, the intended use of the proposed development, the provisions of the policies of the current Development Plan and the pattern of development in the area, it is considered that, subject to conditions, the proposed development would not seriously injure the amenities of the area or of property in the vicinity would be acceptable in terms of traffic safety and convenience and would not be contrary to the proper planning and sustainable development of the area.

A permission has been granted for the development described above subject to the following 13 conditions:

1. The development shall be carried out in accordance with plans and particulars submitted on 17/12/2010 and further information received on the 09/06/2010, except where conditions hereunder specify otherwise. Where a condition requires details to be agreed with the Planning Authority, the developer shall agree such details in writing with the Planning Authority prior to commencement of development and the development shall be carried out and completed in accordance with the agreed particulars.

2. (a) Operation hours of the proposed facility shall be from 7am to 10pm, Monday to Saturday; and 8am to 6pm on Sundays only.

(b) The end of life vehicles workshop (ELV) shall operate from 8am to 6pm, Monday to Saturday, only.

(c) All works to end of life vehicles shall be carried out within the proposed workshop only.

(d) No direct sale of products shall take place on this site to visiting members of the public.
3. The proposed glass bunkers shall be either omitted from the scheme or relocated to the southern part of the site. Prior to commencement of development applicant shall submit a revised site layout plan indicating proposals for same for the agreement and approval of the Planning Authority.
4. Prior to the commencement of development the developer shall pay a contribution of €152,406.43 to Clare County Council (Planning Authority) in respect of public infrastructure and facilities benefiting the development.

The amount of this contribution is calculated in accordance with the Council's prevailing Development Contribution Scheme and shall be adjusted from January 1st next and annually thereafter (unless previously discharged) in line with the Wholesale Price Index – Building and Construction (published by the Central Statistics Office) unless the scheme is superseded by a further Development Contribution Scheme adopted by the Council.

5. Prior to commencement of development, details for a comprehensive and detailed landscape design plan shall be submitted and agreed with the planning authority. This shall include details of vegetation and trees to be retained and proposals for their protection of trees during construction works. The plans shall also include details for hard and soft landscaping, including boundary treatments, the provision of earthen berms, and shall include a timescale for its implementation.
6. (a) All surface water runoff from the site shall be routed via silt trap and oil/petrol/diesel interceptors to prevent accidental spillages of oils, greases, solvents or other contaminated matter entering the surface water drains, surface water courses or directly or indirectly to groundwater.

(b) Any liquid storage area shall be contained within approved bunds capable of containing at least 110% of the volume of the largest drum/tank within the bund.

(c) Drainage from all bunded areas shall be controlled to ensure that no overflow of contaminated waters from the bunded area takes place.

(d) All loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.

(e) Vehicle/plant refuelling and washing areas shall be fitted with oil/water interceptors. All contaminated water shall flow through same.

(f) Surface water shall not be discharged to the public road or existing on-site wastewater treatment system.

7. For the Construction phase:

(a) No work shall take place outside the hours of 07.30 to 18.30 hours, Monday – Saturday. Deviation from these times will only be allowed in exceptional circumstances where prior written approval has been received from the planning authority.

(b) Adequate temporary carparking accommodation shall be provided on the site for the use of employees engaged in construction work on the site.

(c) All on site construction vehicles shall be equipped with silencers – all such vehicles shall be operated and maintained in accordance with the manufacturers instructions.

(d) All oils, solvents, paints and other chemicals used during the construction phase shall be stored within temporary bunded areas

8. The operator shall ensure that fine dry loads exiting the waste recovery facility site are covered or sprayed prior to exiting the site such that the amenities of the area are protected and in order to prevent dust pollution.

9. Noise emissions from the facility shall not exceed 55dB(A)_{LAeq, 30 mins} during the daytime and 45 dB(A)_{LAeq, 15 min} during the night time at the façade of the nearest noise sensitive locations, subject to adjustment in the event of a change in the accepted limits for industrial noise. If requested to do so by the Planning Authority, the applicant shall identify Noise Sensitive Locations and shall undertake monitoring as required. Noise measurements shall be made in accordance with ISO 1996, acoustics and measurement of environmental noise, Parts 1, 2 and 3, or with current recognized Best Practice at the time of the survey and shall include monitoring for tonal/impulsive noise. A detailed noise survey report will be submitted to the Planning Authority within one month of completion of any requested survey. The cost of any monitoring and/or survey shall be borne by the operator.

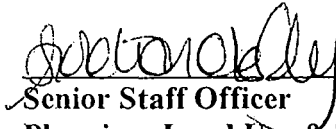
10. Prior to commencement of development, applicants shall submit full details of all external colour finishes for the proposed new buildings, for the agreement and approval of the Planning Authority. The colour of new buildings shall be consistent with those of the existing structures on site.

11. Construction and demolition waste shall be managed in accordance with a construction waste and demolition management plan, which shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. This plan shall be prepared in accordance with the “Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects”, published by the Department of the Environment, Heritage and Local Government in July 2006.

12. All manholes in public circulation areas shall be provided with heavy-duty manhole covers.

13. No advertisement sign or structure shall be erected (including those which are "exempted development") without planning permission having first been obtained.

Signed on behalf of Clare County Council.



Senior Staff Officer
Planning, Land Use & Transportation

Dated: 30/08/2010

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