

Mr Conor Walsh
Thorntons Recycling Centre Ltd
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14 December 2004

210-1

re: Notice in accordance with Article 14(2)(b)(ii) of the Waste Management (Licensing) Regulations

Dear Mr Walsh,

I am to refer to the above referenced application for a waste licence relating to a Composting Facility at Pass of Kilbride, Milltownpass, Co Westmeath. Having examined the documentation submitted, I am to advise that the Agency is of the view that the documentation does not comply with Article 12 and Article 13 of the Waste Management (Licensing) Regulations 1997 to 2004.

You are therefore requested, in accordance with Article 14(2)(b)(ii) of the regulations, to take the steps and supply the information detailed below:

ARTICLE 12 AND ARTICLE 13 COMPLIANCE REQUIREMENTS

1. Provide details of the composition of the organic fines proposed to be composted at the site, include the predicted percentage of contaminant material (i.e. including plastic, metal, glass, etc.).
2. Confirm the dimensions of the in-vessel composting tunnels and the maximum storage capacity of each. Provide a detailed description of the airflow within the in-vessel composting tunnels and also describe the "push – pull" aeration system.
3. Define the maximum quantity of waste material which can be composted on each primary Aerated Static Pile pad. Clearly identify on a suitable scaled site map the primary, secondary and tertiary aerated static piles and provide information on the sequence of movement of waste materials between these areas.
4. Describe the monitoring system and regime for determining the temperature and moisture levels within each of the in-vessel composting tunnels.
5. Provide a detailed description of the scrubber unit, identified on Figure 4.2 'Facility Plant Layout' of the EIS.

6. Clearly identify on a suitably scaled map the clean and dirty yard areas. Include the direction of flow of all stormwater from contaminated and clean yards and include any collection channels and tanks. Calculate the volume of stormwater which will arise in the dirty yard areas and explain how the potential impacts of contaminated water from these yard areas will be mitigated.
7. Define the maximum contaminant concentrations of the wastewater within the leachate (buffer) tank, include the maximum flow rate to the sequential batch reactor.
8. Define the maximum contaminant loading that the proposed sequential batch reactor treatment system can mitigate and describe in detail treatment processes occurring in the sequenced batch reactor.
9. Define the maximum contaminant concentrations of the wastewater from the proposed sequential batch reactor to the reed bed including the maximum flow rate.
10. Show and explain the calculations used to determine the area required for the proposed reed bed system and define the maximum contaminant and hydraulic loading that can be treated by the system. Provide details of the plant species proposed to be planted in the reed bed.
11. Provide a suitable scaled cross-sectional diagram of the reed bed system with the materials of construction identified; include information regarding the bed media material, media particle size and lining specification.
12. Provide the predicted maximum flow rate and discharge concentration of contaminants (BOD, phosphorus, ammonia, nitrate etc.) to the stream to the north of the site, from the proposed reed bed system.
13. Provide information of the existing water quality of the stream to the north of the site and the River Kinnegad. Complete an assessment of the impact of the proposed treated leachate discharge on the stream to the north of the site and the River Kinnegad. The assessment must take account of environmental quality standards, assimilative capacity and Water Quality Standards for Phosphorus - Regulations, 1998. Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.
14. Provide information on the maximum storage capacities of the leachate (buffer) tank, pathogen contaminated leachate tank, mixed waste and the green waste leachate collection tanks.
15. Describe the 'pathogen contaminated leachate storage tank' as per drawing 'Figure 4.3' of the EIS. Include details of the collection, operational control system and the treatment regime for the leachate.
16. Describe the procedure and show on a suitably scaled map where the indoor shredding of organic fines and catering waste will take place, as detailed in 'Mitigation Measures' on page 6-6 of the EIS.

17. Identify on a suitably scaled map the proposed location of the wood waste shredder.
18. Describe the contingency arrangements for the provision of backup and spares in the case of breakdown of critical equipment required for compost screening.

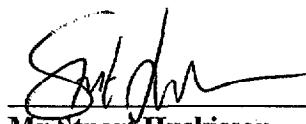
Your reply to this notice should include a revised non-technical summary (Application Form and EIS) which reflects the information you supply in compliance with the notice, insofar as that information impinges on the non-technical summary.

In the case where any drawings already submitted are subject to revision consequent on this request, a revised drawing should be prepared in each case. It is not sufficient to annotate the original drawing with a textual correction. Where such revised drawings are submitted, provide a list of drawing titles, drawing numbers and revision status, which correlates the revised drawings with the superseded versions.

Please supply the information in the form of a one original plus two copies within two months of the date of this notice, in order to allow the Agency to process and determine your application. In addition submit eleven CD-ROM copies of the requested information to the Agency. The e-file should be saved as a 'pdf' file, read only status.

Please note that the application's register number is **210-1**. Please direct all correspondence in relation to this matter to the *Licensing Unit, Office of Licensing & Guidance, Environmental Protection Agency, Headquarters, PO Box 3000, Johnstown Castle Estate, County Wexford* quoting the register number.

Yours sincerely,



Mr Stuart Huskisson
Inspector
Office of Licensing & Guidance