

# INSPECTORS REPORT

## WASTE LICENCE REGISTER NUMBER 135-1

- Dean Waste Co. Ltd, new waste transfer station.
- **Recommendation:** A Waste Licence, subject to conditions, be granted.

### (1) Introduction:

Dean Waste Co. Ltd. have applied to operate a new waste transfer station on the eastern edge of Galway City. A notice was issued to grant planning permission for this development, however this is now under consideration by An Bord Pleanála, following an oral hearing. The new facility is to be located in Oranmore, Galway, within 500m of the N6 (Galway-Dublin) and N18 (Galway-Sligo). It is approximately 7km east of Galway city. A location plan showing the outline of the facility to which the application relates is provided in Appendix 1. The 0.8ha site is in an industrial area, bounded by agricultural land on three sides and the N18 to the west. There are 13 residences and one hotel within approximately 600m of the site. The nearest residence is 230m south of the site boundary, and it is a B&B.

The following are the waste types to be accepted at the facility:

- Household
- Commercial
- Construction and Demolition
- Industrial Non-hazardous

The applicant has indicated the wish to pursue recycling and recovery of certain waste types accepted at the facility. The applicant will be required by Condition 5 to examine the recovery of the following wastes being accepted at the facility (in line with government policy):

- Recovery target of 50% of Construction and Demolition waste (C&D Waste)
- Recovery of organic materials (including paper and cardboard)
- Recovery of glass
- Recovery of metals.

This Proposed Decision allows waste acceptance during the following times:

- 5am – 9:30pm Monday to Saturday inclusive and;
- 8am – 11:30am on Sundays and Bank Holidays.

The applicant has applied to accept waste between 5am and 8am due to early bin collection times in Galway city. This Proposed Decision allows waste acceptance between 5am and 8am, however it precludes the applicant from processing waste or removing waste off-site between 5am and 8am. This is as proposed by the applicant. The applicant applied to accept waste until 10pm, Monday to Saturday. However, the applicant will be required to cease waste acceptance one half hour before closing in order to remove waste off-site, tidy up the site and clean down working areas prior to closure.

The applicant applied for demand only opening on Sundays and Bank Holidays. This is limited to waste acceptance between 8am – 11:30am. The applicant will not be allowed to process waste on Sundays and Bank Holidays.

The principal activity to be carried out on this site will be bulking and transfer of waste for disposal. Other classes licensed include recovery of metal, inorganics (glass and construction & demolition waste) and organics (plastic, wood and paper).

<b>Name of Applicant</b>	Dean Waste Co. Ltd.
<b>Facility Name(s)</b>	Dean Waste Co. Ltd., Carrowmoneash, Oranmore, Co. Galway.
<b>Facility Address</b>	Carrowmoneash, Oranmore, Co. Galway.
<b>Description of Principal Activity</b>	Waste transfer for disposal to landfill.
<b>Quantity of waste (tpa)</b>	130,000
<b>Environmental Impact Statement Required</b>	Yes
<b>Date Application Received</b>	16/2/2000
<b>Number of Submissions Received</b>	Two

**SITE VISITS:**

<b>DATE</b>	<b>PURPOSE</b>	<b>PERSONNEL</b>	<b>OBSERVATIONS</b>
6/3/00	Site Notice Inspection	Cormac Mac Gearailt	Site located in industrial area with some history of metal and waste recycling.

**(2) Facility development:**

The building proposed is 30m x 30m x 11m, and is designed for the floor tipping and handling of waste. Waste will be received in smaller vehicles (e.g. skips and rear collection vehicles for domestic door to door collection). This waste will be processed (sorted and/or shredded) and loaded into articulated lorries for final transport to landfill. The 0.8ha site will be concreted and is to be surrounded by a 2.4m boundary wall. A weighbridge, vehicle wash and site office will also be provided. The applicant has applied to accept 130,000tpa of waste. This is stated as being the maximum intake, and is expected to occur over a 5 year ramp up period (*see Section 3 below*). The applicant will be required to provide 50% standby capacity on critical items of plant in order to ameliorate the effects of any unusually large waste loads arriving at the facility (Condition 4 – Waste handling plant). There will also be a requirement for back up and spares to be provided for these critical items. Items critical for the efficient and adequate processing of waste on site might include loading vehicles, sorting lines *etc.* Condition 4 – Waste handling plant, also states that the licensee shall not accept waste quantities in excess of the working capacity of the waste handling and processing equipment on site.

**(3) Waste Types and Quantities**

**Projections of quantities & types of wastes to be accepted at the facility:**

<b>YEAR</b>	<b>NON-HAZARDOUS WASTE (tpa)</b>	<b>HAZARDOUS WASTE (tpa)</b>	<b>TOTAL ANNUAL QUANTITY OF WASTE (tpa)</b>
2000-2002	60,000	0	60,000
2002-2005	100,000	0	100,000
2005 - onwards	130,000	0	130,000

The ramp up period as outlined in the above table has been set in the Proposed Decision under Schedule G. The licensee will be required to provide adequate plant to handle the above waste quantities under Condition 4.7

#### **(4) Emissions to Air**

Possible emissions to air from the facility include odour, noise and dust.

The licence specifies one discrete emission to atmosphere for the dust extraction system, as proposed by the applicant. This system will extract internal air from the building, and filter it using a polyester filter medium. The dust emission limit for this point is set to  $50\text{mg/m}^3$  and monitoring requirements are specified in Schedule E. Monitoring requirements and an emission limit for dust deposition ( $350\text{mg/m}^3$ ) are also set, in order to control any fugitive dust emission from activities on site. The applicant will be required to install dust flaps on doors to the waste transfer building and install an odour management and abatement system prior to commencement of activities on site. Appropriate standby capacity and spares/back ups will be required for the air handling and abatement system.

The applicant will be precluded from storing waste for disposal on site for longer than 72 hours. Waste for disposal stored overnight must be in enclosed and covered containers held inside the waste transfer building. All dry wastes for recovery must be stored in suitably covered containers. This is envisaged to include baled cardboard, glass, metal and inert materials.

Since the applicant will be operating during night-time hours (5am-8am), noise monitoring during these times will be required, along with monitoring of day-time activities. Noise emission limits are specified in Schedule F. The lower limit of  $45L_{\text{eq}}\text{dBA}$  will apply to night time activities. Condition 7 will ensure that there shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

#### **(5) Emissions to Groundwater**

There are no emissions to groundwater. All of the site will be concrete hardstand and any fuel tanks must be bunded.

#### **(6) Emissions to Surface Waters**

There will be one direct emission to surface water from the site. All surface water drainage from the site (outside the waste transfer building) will be directed to a sediment trap and an oil/water separator. Since the emission is to surface water, a Class I full treatment interceptor is required (volume  $45\text{m}^3$ ). Monitoring of this emission will be required on a weekly basis for visual inspection and quarterly for chemical components (BOD, pH etc.). Monitoring will also be carried out on the receiving watercourse upstream and downstream of the emission on a quarterly basis.

#### **(7) Other Significant Environmental Impacts of the Development**

None

#### **(8) Waste Management, Air Quality and Water Quality Management Plans**

Consideration was given to the Draft Galway Waste Management Plan. This plan refers to the need for a waste transfer station on the east side of the city, and that this station would be provided by the private sector by the end of 2000. It is envisaged that this station will transfer waste to the Poolboy landfill in Ballinasloe.

#### **(9) Submissions/Complaints**

**An overview of the submissions received in relation to the waste licence application is provided. This includes a summary of all issues raised in the submissions.**

2 submissions were received in relation to this application.

**1. Submission from Mr Sean Conroy of the Oranmore Community Development Association Ltd. [Date Received 9/5/00].**

*This submission refers to planning issues and the formulation and consultation in the preparation of waste management plans. The submitter accepts that these are matters outside the scope of the waste licensing process in this instance.*

*The submission also refers to environmental matters as follows:*

**RESPONSE**

*a) Oranmore sits on a limestone aquifer, and therefore the site is inappropriate.*

The majority of Galway city and east County Galway is underlain by karst limestone. This transfer station must have concrete hardstand over the site. There will be no emissions to groundwater. All fuel storage tanks will be bunded.

*b) The main building is simple and will not be fully enclosed*

The building will not be fully enclosed during the working day however measures required such as dust flaps, air extraction and filtering, misting/fog systems will serve to abate dust and odour emissions from the activity. The facility shall be secured and the doors to the waste transfer building closed, when unsupervised.

*c) The facility may potentially accept waste from all of Connaught and the environmental impact of haulage to the facility is too great.*

The impact of haulage of waste to the site is outside the scope of this Proposed Decision.

*d) Waste may be stored for longer than 24 hours, and stored outside with resultant odours, putrefaction and vermin/bird problems.*

Waste for disposal may only be stored on site for a maximum of 72 hours. If waste for disposal is to be stored overnight, it may only be stored inside the waste transfer building in suitably covered and enclosed containers. Dry waste such as baled paper, metal and inert material may be stored overnight in suitably covered containers.

Potential nuisances are controlled by Condition 6 of the Proposed Decision.

*e) The applicant makes no commitment to recycling at this site*

Condition 5 requires the applicant to examine and report to the Agency on recycling and recovery of various waste types to be accepted at the facility. This includes provision of details on the achievement of the following;

- Recovery target of 50% of Construction & Demolition waste over 5 years
- Recovery of organic materials (including paper and cardboard)
- Recovery of glass
- Recovery of metals.

*f) The applicant proposed that there will be no liquid runoff in the waste transfer building and therefore no management of it required. The submitter contends that this is nonsense.*

The applicant will be required to install a 10cm ramp on all entry/exit points to the waste transfer building to contain wash water and any minor spills. The applicant will also be required to wash down the floor of the waste transfer building at the end of every day, using either a self contained washing vehicle or spray system with adequate collection and treatment of the wash water.

- g) *The siting of the facility beside a railway line and airport is inappropriate.*  
The aspects of the siting of the facility raised are planning issues, and as such are outside the scope of this Proposed Determination.
- h) *The movement of vehicles through Oranmore (estimated at 221) is an environmental matter and should be considered by the EPA.*  
Vehicle movement outside the facility boundary is a planning issue and as such is outside the scope of this Proposed Determination. Vehicle movement inside the facility boundary will be monitored with regard to noise emissions as outlined in Submission 2(b) below.

**2. Two submissions from Mr Dermot Comerford Quality Hotel and Leisure Centre, Oranmore, Galway [Date Received 11/4/00 and 5/9/00].**

*These submissions refers to general nuisance emanating from the site as follows;*

- *Smell, noise, litter, visual, rodents and birds*
- *Traffic on an already congested road.*
- *Siting of this facility would jeopardise the future of the hotel and is generally an unsuitable location*
- *There are plans for a new airport to the north of this site and therefore the large number of scavenging birds render this an unsuitable site.*
- *The area to the south of this site is zoned for 'Park and Ride' facilities in the draft Oranmore development plan and therefore the site is unsuitable for locating a waste transfer station.*
- *Given the light industrial nature of developments in the area and the status of Oranmore as a tourist destination, this development does not complement any other development in the area and is not in a suitably zoned area.*

**RESPONSE**

- a) *Smell:*  
For odour controls see response to submission 1(d) above.
- b) *Noise:*  
The applicant will be required to carry out all waste processing inside the waste transfer building. Outside of day time hours the applicant will only be permitted to deposit waste on the floor of the building and not to process or remove waste from the site. This will serve to reduce noise emissions during night-time hours. Noise monitoring will be carried out annually, during both night and day time operation of the site at 7 monitoring locations. The applicant as part of the AER will be required to review nuisance and emission controls, and their effectiveness for projected waste quantities to be processed for each upcoming year.
- c) *Litter:*  
The site will be surrounded by a 2.4m wall, which will serve to prevent windblown litter from the site. The applicant will be required to remove all loose litter accumulated within the facility or its environs at the end of the working day. Also, all trucks entering and leaving the facility must be suitably covered.
- d) *Visual:*  
The visual impact of the building is a planning issue and as such is outside the scope of this PD.
- e) *Rodents and birds:*  
This is dealt with in Submission1 (d) above.
- f) *Increased traffic, on an already congested road:*

Traffic impact of the activity is a planning issue and as such is outside the scope of this PD.

g) *Siting of the facility:*

The submitter states that the siting of this facility would jeopardise the future of the hotel and that the site is generally an unsuitable location. Notwithstanding the items referred to specifically in the submission which are dealt with above, the conditions of the Proposed Decision will serve to prevent any environmental pollution or nuisance arising from activities carried out on site.

h) *The possible location of an airport to the north of the site, and the impact of birds on this airport:*

Birds are not expected to be a significant problem on site, and have not been found to cause problems in sites similar in nature. Only dry waste for recovery is permitted to be held outside and overnight in suitably covered containers. Notwithstanding this, potential bird nuisances are controlled by Condition 6 of the Proposed Decision.

i) *The area to the north of the facility is zoned for 'Park and Ride' facilities:*

Planning and zoning issues are matters for the relevant planning authority. The conditions of this Proposed Decision will serve to prevent any environmental pollution or nuisance arising from activities carried out on site.

j) *Light industrial nature of the area:*

Whether the development complements the general light industrial nature of the area is a planning issue and as such is outside the scope of this PD.

**Signed** \_\_\_\_\_

**Dated:**

**Name:** Cormac Mac Gearailt

## **APPENDIX 1**

### **LOCATION PLAN**

1. Figure 3.8.1 of the EIS.

**APPENDIX 2**  
**SUBMISSIONS**