

**INSPECTORS REPORT**  
**WASTE LICENCE REGISTER NUMBER 45-1**

**(1) Summary:**

Dean Waste Ltd. operate a non-hazardous transfer station on the Greenhills Road, Walkinstown, Dublin 12. The quantity of waste projected for 2000 to be accepted at the site is 150,000 tonnes per annum and the maximum permitted in the draft proposed decision is 200,000 tonnes per annum.

<b>Name of Applicant</b>	Dean Waste Ltd.
<b>Facility Name(s)</b>	Dean Waste trading as A1 Waste
<b>Facility Address</b>	Greenhills Road, Walkinstown, Dublin 14
<b>Quantity of waste (tpa)</b>	200,000 tpa
<b>Environmental Impact Statement (EIS) Required</b>	Yes
<b>Planning Permission Status and Date Granted</b>	Planning permission for both waste transfer buildings has been granted. Ref No. 92A/1264 and Ref No. 92A/2064
<b>Number of Submissions Received</b>	One
<b>Confidential Information</b>	Received but sent back as not required in processing of application
<b>INSPECTOR'S RECOMMENDATION</b>	The proposed decision as submitted to the Board be approved.

**FACILITY VISITS:**

<b>DATE</b>	<b>PURPOSE</b>	<b>PERSONNEL</b>	<b>OBSERVATIONS</b>
13 <sup>th</sup> July 1998	To inspect site and site notice under Article 7 of SI.133 1997.	S. Kennelly	Site notice in compliance with Regulations
20 <sup>th</sup> May 1998	To meet the Sanitary Authority	S. Kennelly	Sampling Point for discharge to sewer required
12 <sup>th</sup> May 2000	Site Inspection	B. Rooney S. McMahon	Site notice in compliance with Regulations.

<b>(2) Activity Summary</b>
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**Class Description:**

The applicant describes the classes of activity applied for as follows:

**Third Schedule:**

*Class 11: Principal Activity*

Commercial and industrial wastes are bulked up at the transfer station prior transfer to landfill. Construction and demolition waste is sorted and shredded. A portion of the waste is recycled, however the majority of waste is landfilled.

*Class 13:*

All waste is temporarily stored at the facility prior to bulking and transfer.

**Fourth Schedule:**

*Class 2:*

Plastics and cardboard are separated and recycled when there is a market demand.

*Class 3:*

Steel and other metals are removed from the construction and demolition waste and recycled by scrap merchants.

*Class 4:*

Builders rubble is reclaimed and used as an inert fill for land restoration.

*Class 13:*

All wastes are temporarily stored at the site prior to recycling or reclamation activities.

<b>(3) Facility Location</b>
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**Appendix 1 contains (i) Location Map showing Greenhills Road and (ii) Site Location Map.**

The site is located on the Greenhills Road, Walkinstown, Dublin 12. The area is zoned for industrial and related uses, hence there is little impact on residential areas.

<b>(4) Waste Types and Quantities</b>
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**Total quantities and types of wastes accepted by the facility are shown below.**

YEAR	NON-HAZARDOUS WASTE (tpa)	HAZARDOUS WASTE (tpa)	TOTAL ANNUAL QUANTITY OF WASTE (tpa)
1999	71,000-95,000	0	71,000-95,000
2000	150,000	0	150,000
2001	200,000	0	200,000

The licensee has applied for the site to be operational 24hrs, 365 days/yr, which they say equates to 300,000 tpa. It is not proposed to allow 24 hour opening hours hence the tonnages are limited to 200,000 tpa.

<b>(5) Facility Operation/Management</b>
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- **Waste Handling**

Waste enters and leaves the facility through a main entrance off Greenhills Road. Each load is weighed at the weighbridge and depending on the nature of the waste, is directed to one of two enclosed buildings. The construction and demolition waste is directed to Building No. 1 where it is sorted and shredded. It is recycled as fill and cover material or sent to landfill.

The commercial and industrial waste is directed to Building No. 2 where the waste is tipped on the floor of the building. The waste is then sorted and either baled or compacted, and sent for landfilling or recycling. The recycling of this material largely depends on the market demand.

Waste inspection and quarantine areas are to be provided under Condition 4.6 of the draft proposed decision.

The current tonnage of waste throughput at the facility is 450 tonnes per day. This will increase to 720 tonnes per day at the maximum annual tonnage of 200,000 tonnes.

- **Waste Acceptance Procedures**

The weighbridge operator registers the date and time of delivery of waste and allows only contractors with the appropriate documentation on to the facility. The yard supervisor then directs the truck to the relevant building and inspects each load at the tipping area. Should the waste be deemed unsuitable for acceptance at the facility, it is reloaded and taken off site (see Condition 5.3), for disposal / recovery at an alternative facility

- **Nuisance Control**

*Dust Control*

Dust emissions are high due to the processing of construction and demolition waste. Dust emissions from the site are currently controlled by the wetting and sweeping of paved areas. See also section (8) of this report.

*Fire Control*

A mains water supply and fire hoses are available on site. A risk assessment and fire water retention proposal is to be submitted under Condition 10.5 within six months of the date of grant of the licence.

*Litter Control*

All wastes are handled in an enclosed Waste Transfer Building. Condition 6.4 stipulates that loose litter accumulating within the facility be collected and disposed of on a daily basis.

*Vermin Control*

A vermin control plan is to be submitted within three months of the date of grant of the licence under Condition 6.8.

- **Hours of Operation**

The hours of operation are to be from 7.00 am to 10.00 pm Monday to Friday and Saturday from 8.00 am to 2.00 pm. The hours for waste acceptance are to be from 7.30 am to 9.30 pm Monday to Friday and Saturday from 8.00 am to 1.00 pm as specified in Condition 5.9 of the Proposed Decision. The facility will be closed on Sundays and Bank Holidays.

<b>(6) Facility Design</b>
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*Buildings and Infrastructure*

Infrastructure consists of two waste transfer buildings and portacabin offices. There is a weighbridge immediately inside the entrance gates. There are three fuel storage tanks and a security shed where the waste is registered as it arrives. Plant on-site includes a compactor, 2 shredders, a Sorting and Bailing Plant, a JCB, 2 Caterpillar Excavators, a forklift, and a Yard Sweeper.

*Security:*

The site is surrounded by walls of height 3m (approx) topped with barbed wire. The entrance gates are locked outside of business hours. The site is monitored twenty-four hours by a close circuit television camera and a security guard. Guard dogs are also present on site.

<b>(7) Decommissioning and Aftercare</b>
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There are no specific plans for the decommissioning and aftercare of the facility. However, Condition 8.1 requires that a proposal for a Decommissioning and Aftercare Plan for the facility be submitted within twelve months of the date of grant of the Licence.

#### **(8) Emissions to Air**

Air emissions at the facility arise as dust and odour  
Dust monitoring was carried out from 17/04/98 to 21/04/98 and 22/02/99 to 19/03/99 at four dust sampling points around the site. The results from the first series of samples showed extremely high levels of dust ranging from 1383 mg/m<sup>2</sup>/day to 8883 mg/m<sup>2</sup>/day. These results were queried by the Inspector but deemed valid by the applicant. Those from the second series showed results of 230 mg/m<sup>2</sup>/day to 1017 mg/m<sup>2</sup>/day which were more in keeping with what would be expected. Condition 9.1 requires monitoring to be carried out on a quarterly basis. A Dust Monitoring and Control Plan is to be submitted to the Agency for approval within seven months of the date of grant of this licence under Condition 7.4.1. Dampening down of the hardstanding area will be undertaken as required under Condition 4.4 All waste is handled within the waste transfer building and as such odours should not cause problems. Condition 5.11.2 limits the storage of putrescible waste in sealed containers within the waste transfer building. Conditions 6.6 and 6.9 stipulate that odours, dust and other nuisances will not give rise to nuisances at or in the vicinity of the facility.

#### **(9) Emissions to Groundwater**

There are to be no direct emissions to groundwater. The site is entirely paved with concrete. However it is stated in the EIS that a gravel pit in the vicinity of the site was used as a landfill many years ago, hence it is likely that there may have been an impact on groundwater quality beneath the site. Condition 4.12 requires the licensee to carry out a comprehensive hydrogeological investigation of the site within 6 months of the date of grant of the licence.

#### **(10) Noise Emissions**

Noise measurements were carried out at four locations around the perimeter of the facility. The levels were found to be high ranging from an L<sub>Aeq</sub> of 73 dB(A) to 79.8 dB(A). The main source of these noise emissions is lorries, the shredder and the two excavators used on site. Due to location in an industrial area noise levels can be high, hence a noise minimisation plan is to be submitted to the Agency within three months of the date of grant of licence as specified in condition 7.5.1 of the draft proposed decision. Schedule F.3 requires the applicant to ensure that noise emissions beyond the boundary of the site do not exceed 45 dB(A) at night after 6 months of the date of

grant of the licence. Condition 6.10 limits the operation of shredders, compactors and excavators to daytime hours.

**(11) Emissions to Sewer**

Emissions to sewer comprise of vehicle wash water and surface runoff from the site hardstanding areas in addition to domestic sewage from the offices. Emission limits have been set by the Sanitary Authority, South Dublin Co.Co. under a Section 52 notice and are set out in Schedule F.1 and Condition 7.8 of the draft proposed decision.

**(12) Emissions to Surface Waters**

There are no emissions to surface waters.

**(13) Other Significant Environmental Impacts of the Development**

None.

**(14) Waste Management, Air Quality and Water Quality Plans**

Waste Management Plan for the Dublin Region adopted by Dublin City Council on 7<sup>th</sup> December 1998.

**(15) Submissions/Complaints**

One submission was received on 26<sup>th</sup> February 2000 from Dr. Howard Johnson, Specialist in Public Health Medicine. The submission requested that the Agency inform Dr. Johnson of any particular concerns regarding potential public health risks. The Agency identified in its reply of 19<sup>th</sup> June 2000 the potential risks as disease or infections arising from vermin or flies and informed Dr. Johnson that these nuisances would be controlled under the terms of any waste licence that might be granted via a vermin control plan.

Signed \_\_\_\_\_

Dated:

Sinead McMahon

## **APPENDIX 1**

### **Site Location Map**

17/11/2004