

INSPECTORS REPORT

WASTE LICENCE REGISTER NUMBER 42-1

(1) Summary:

Dean Waste Ltd. operate a non-hazardous waste transfer station on Sheriff Street, Dublin 1.

The amount of waste accepted at the site currently is estimated at 125,000 tonnes per annum and the maximum permitted in the draft proposed decision is 150,000 tonnes per annum.

Name of Applicant	Dean Waste Company Ltd.
Facility Name(s)	Dean Waste trading as A1 Waste.
Quantity of waste (tpa)	Up to 150,000.
Environmental Impact Statement (EIS) Required	Yes.
Planning Permission Status and Date Granted	Permission granted for existing facility. Permission sought for extension to existing facility; Ref: 2331/96.
Number of Submissions Received	One.
Confidential Information	Received but sent back as not required in processing of application.
INSPECTOR'S RECOMMENDATION	The Proposed Decision as recommended by the Inspector and submitted to the Board be approved.

FACILITY VISITS:

DATE	PURPOSE	PERSONNEL	OBSERVATIONS
13/07/98	To inspect site notice and site inspection	S. Kennelly	Site notice in compliance with Regulations.
23/04/99	Site inspection	S. Kennelly	Site inspection
04/05/00	Site inspection	S. McMahon B. Rooney	Site notice in compliance with Regulations

(2) Activity Summary

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 to transfer to landfill. Construction and demolition waste is sorted and shredded. A portion of the waste is recycled. However the current situation involves transfer of the bulk of this waste to landfill.

Class 13

All wastes are temporarily stored at the site 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.

(3) Facility Location

Appendix 1 contains Location Map showing the location of the facility on Sheriff Street.

The site is located on Sheriff Street Upper in Dublin 1. The area is zoned for industrial and mixed use premises and as such there is little impact on residential areas.

(4) Waste Types and Quantities

Total quantities and types of wastes accepted by the facility are shown below. See Table B.8.1 of application.

YEAR	NON-HAZARDOUS WASTE (tpa)	HAZARDOUS WASTE (tpa)	TOTAL ANNUAL QUANTITY OF WASTE (tpa)
1999	50,000 – 70,000	0	25,000 – 40,000
2000	100,000 – 125,000	0	100,000 – 125,000
2001	150,000 max	0	150,000 max

The facility accepts commercial waste and construction/demolition waste and industrial non-hazardous solids. Most of the construction and demolition waste is recovered for use in road projects or landfill cover. Condition 5.10 stipulates that at least 50% of the construction and demolition waste be recycled by 31/12/2003 in keeping with the government strategy “Changing Our Ways”. The EIS submitted with the application refers to the site handling a maximum of 150,000 tonnes per annum. Schedule G.1 gives the maximum annual tonnages of each waste type to be accepted at the facility.

(5) Facility Operation/Management
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- **Waste Handling**

Waste enters and leaves the facility through a main entrance off Sheriff Street. Each load is weighed at the weighbridge and directed to the waste transfer building. The contents of the skip are tipped into a bunker where the waste is sorted and recyclable materials are separated and removed for recycling. Waste is shredded, compacted and loaded onto a trailer for recycling or transfer to landfill. 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 425 tonnes per day. This will increase to 645 tonnes per day at the maximum annual tonnage of 150,000 tonnes.

- **Waste Acceptance Procedures**

Vehicles entering the facility are directed to the Waste Transfer Building by a member of staff. Wastes delivered to the site are unloaded in the Waste Transfer Building and sorted into the following groups: waste metals, timber waste, plastics and construction and demolition waste. Condition 5.3 of the draft proposed decision requires the applicant to submit detailed waste acceptance procedures.

- **Nuisance Control**

Dust

Dust emissions are problematic at this facility. Control of dust emissions in the waste transfer building is currently by means of an extractor fan and water sprinklers. See also section (8) of this report on Air Emissions.

Fire

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

Litter

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.

Traffic

A traffic survey was undertaken as part of the amended EIS (submitted March 2000). It is estimated that approximately 2- 4 extra trips will be made per hour into the facility due to the increase in tonnage from 425 tonnes per day to 545 tonnes per day. Under Condition 5.17 an Internal Traffic Management Plan is to be submitted to the Agency within six months of the date of grant of the licence.

Vermin

A Vermin Control Plan is to be submitted within three months of the date of grant of the licence under Condition 6.8 of the draft proposed decision.

- **Hours of Operation**

The working day is defined in the Interpretation of the draft proposed decision as 7 am to 8 pm Monday to Friday and 9 am to 1pm on Saturdays. The facility will be closed on Sundays and Bank holidays. Condition 5.9 allows waste acceptance at the facility from 8am to 8pm Monday to Friday and 9am to 1pm on Saturdays.

(6) Facility Design

Security: The site is surrounded by walls of height 3m (approx). The entrance gates are locked outside of business hours. There is a night-time security guard and guard dogs in addition to 24 hour CCTV monitoring.

Buildings and Infrastructure: There is one main waste transfer building which contains a tipping area for in-coming waste and the sorting and loading areas. Plant on site includes a shredder, conveyors, two excavators and a yard sweeper which are also stored in this building. Another building is located on the site and is used mainly for vehicle maintenance and storage. There is a new weighbridge inside the entrance to the site and a truck wash area located to the rear of the waste transfer building.

Fuel Storage: Green diesel is stored in a 6,000 litre capacity tank within the waste transfer building. Condition 4.8.1 requires fuel to be stored in a separate bunded area.

(7) Decommissioning and Aftercare

There are no plans for decommissioning and aftercare at this facility at present. 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 is required to be carried out quarterly at the facility as dust monitoring data supplied with the application shows extremely high levels of deposition ranging from 652 mg/m²/day to 2,295 mg/m²/day. 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 7.4.2. Mitigation measures are given in the Environmental Impact Statement dated March 1999 and these include the extension of the misting system to include the open doors at the end of the area in which the shredder is located and the provision of additional inlets for the extractor fan. These measures are to be implemented within three months of the date of grant of the licence under Condition 7.4.1. Dampening down of the hardstanding area will be undertaken as required under Condition 6.7.1. Condition 6.9 stipulates that the licensee ensures that dust and other nuisances do not give rise to nuisances at or in the vicinity of the facility. The amount of putrescible waste accepted at the facility is such that odours arise at the site. However, all such waste is handled within the waste transfer building and as such odours should not cause problems. Condition 5.11.12 limits the storage of putrescible waste in sealed containers within the waste transfer

building. Condition 6.8 stipulates that odours will not give rise to nuisances at or within the vicinity of the facility.

(9) Emissions to Groundwater

There are no emissions to groundwater. The site is completely covered with concrete slab.

(10) Noise Emissions

Two sets of noise monitoring data were submitted with this application. Within the site boundary the noise levels were high ranging from L_{eq} of 60.6 dB(A) to 81.4 dB(A). At the NSL's the noise levels again were high ranging from L_{eq} 63.1 dB(A) to 73.7 dB(A) although it was not clear that these levels could be attributed to the facility as Sheriff Street is an industrialised area.

The second noise monitoring report concludes that the facility contributes to the overall noise climate in the area during the day and has a major influence on the local night-time noise climate, primarily due to noise associated with waste trucks leaving and entering the site. There have been no complaints relating to noise received regarding this facility, probably due to the fact that it is situated in an urban industrial setting.

A Noise Minimisation Report is to be submitted to the Agency within three months of the date of grant of the licence under Condition 7.5. Noise monitoring is to be carried out bi-annually with the first such monitoring to be undertaken within three months of the date of grant of the licence.

(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.

Drainage from the site discharges to a Dublin Corporation combined sewer on Sheriff Street. Emission limits have been set by Dublin Corporation 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 7th December 1998.

(15) Submissions/Complaints

One submission was received on 19th May 1999 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 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.

(16) Financial Provisions

Financial information submitted with the application showed no information that would prevent the Agency for proceeding to proposed decision stage with this application.

Signed _____

Dated:

Sara Kennelly

APPENDIX 1

17/11/2004

LOCATION PLAN

APPENDIX 2
SUBMISSION