

INSPECTORS REPORT

WASTE LICENCE REGISTER NUMBER 170-1

Applicant: Clare County Council

Facility: Lisdeen Recycling Centre & Transfer Station, Lisdeen, Kilkee, Co. Clare.

Inspector's Recommendation: The licence be granted subject to conditions.

(1) Introduction

This application is for an existing non-hazardous waste transfer station (operational since October 2001) accepting a maximum of 2,000 tonnes per annum. The facility incorporates an enclosed hopper and compactor for the compaction of waste and a bring-bank area for recyclable/recoverable goods. It is located in a rural area approximately 2 miles east of the town of Kilkee. The nearest residence is 350m and the facility is located approximately 750m from Poulmasherry Bay which is a proposed Natural Heritage Area (pNHA).

Classes 12 and 13 (principal activity) of the Third Schedule and Classes 2, 3, 4 and 13 of the Fourth Schedule were applied for in the application.

The facility is built on a section (0.6ha) of the closed Lisdeen landfill (3.3ha in total) in which an estimated 52,000 tonnes of municipal waste were landfilled between 1978-2000. Both the transfer station and the closed landfill are within the facility boundary. The closed landfill has been capped with between 700-1000mm of boulder clay and topsoil. A post-closure monitoring report of the closed landfill, incorporating surface water, groundwater, leachate, landfill gas and ecology was submitted as part of the application.

Quantity of waste (tpa)	2,000 tpa
Prescribed date for application	1/3/99
Application received	28/12/01 ^{Note 1}
Environmental Impact Statement Required	No
Number of Submissions Received	None

Note 1: This is an unauthorised facility.

SITE VISITS

Date	Observations	Personnel
24/01/02	Facility notice check (compliant) and inspection	Regina Campbell

Appendix 1 contains a facility location drawing (Fig.1, Site Location Map) and a site layout drawing (Drg. No. 2000-010-01-03).

(2) Facility Development

A hopper and waste compactor are in place and receptacles for the storage of recyclable/recoverable goods are also present. A septic tank and percolation area are in place for the treatment of waste water generated at the site. The applicant has proposed the use of a reedbed treatment system as a further treatment step and this will be put in place when mains electricity is installed at the facility. Additional infrastructure required by the recommended Proposed Decision include bunding for the waste oil storage tank, a waste quarantine area and a silt trap/oil separator in the surface water drainage system.

All traffic movements are on tarmacadam or concrete impervious areas. Due to the size and nature of the facility a wheelwash is not required. There is no requirement for a weighbridge to be installed and waste for disposal will be weighed at the receiving landfill. At present waste from the facility is being landfilled at either Gortadroma Landfill, Co. Limerick or Ballaghveny Landfill, Co. Tipperary until Inagh Landfill in Co. Clare is operational.

Potential nuisances are controlled by Condition 7 and hours of waste acceptance are outlined in Condition 1.

Condition 4 requires a proposal for a Decommissioning and Aftercare Plan for the waste transfer station and a Restoration Plan for the closed landfill to be submitted. The recommended Proposed Decision provides for post-closure monitoring of the landfill for leachate, landfill gas and groundwater.

(3) Waste Types and Quantities

The facility is used by private vehicles only. No waste disposal contractors or local authority collection vehicles deliver waste to the facility. Non-hazardous waste accepted for compaction will consist of municipal waste (1,800 tpa). Compacted waste is transferred into a 23 m³ steel container and transferred off site for disposal at landfill. Wastes for recycling/recovery (200 tpa) at present include newspapers, white goods, batteries, food cans, plastic containers and glass.

(4) Emissions to Air

Due to the nature of activities at the facility and information received as part of the application, I consider it is not necessary to require noise or dust monitoring at the facility. However, Condition 6 requires that there be no clearly audible tonal or impulsive component in the noise emissions from the activity at any noise sensitive location. Condition 7 requires that dust does not give rise to nuisance at the facility or in the immediate area of the facility. Condition 8.2 allows for increased monitoring (such as noise or dust monitoring) if required.

Landfill gas monitoring results submitted as part of the application indicate that methane levels are elevated in boreholes which are located within the waste body.

Landfill gas monitoring is required by Condition 8 and the normal trigger levels are included under Condition 6.

(5) Emissions to Groundwater

All waste transfer operations will be carried out on tarmacadam or concrete impervious areas. No fuel is currently stored at the facility. If in the future fuel does need to be stored at the facility, then this storage area will have to be bunded as required under Schedule B.

Groundwater monitoring results indicate that the closed landfill is having no impact on water quality in the area. Monitoring of groundwater upgradient and downgradient of the closed landfill is required as part of the recommended Proposed Decision.

(6) Emissions to surface water

Surface water run-off from the concrete impervious areas where waste is stored or handled (including the hopper, compactor and waste container storage area) will be diverted to a waste water treatment system (comprising of a septic tank, reedbed and percolation area). All surface water run-off from other waste storage areas (e.g. bring-bank area) will be diverted via a silt trap and oil interceptor prior to discharge from the facility to perimeter surface water drains.

Monitoring submitted as part of the application indicates that surface water quality in the streams which flow adjacent to the landfill have been impacted (ammonia of 2.9 mg/l and BOD of 7mg/l). However samples upstream are also showing contamination (ammonia of 3.6mg/l and BOD of 29mg/l) which indicate that the source of the pollution is uncertain. Surface water monitoring at the closed landfill is required by the recommended Proposed Decision.

(7) Other Significant Environmental Impacts

None.

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

This facility is referred to in the Waste Management Plan for the Limerick/Clare/Kerry region which was adopted by Clare County Council in June 2000.

(9) Submissions

None.

(10) Reasons for the Recommendation

It is recommended that a licence be granted for Classes 12 and 13 of the Third Schedule and Classes 2, 3, 4 and 13 of the Fourth Schedule as applied for in the application.

Signed: _____

Date: _____

Regina Campbell, Inspector.
Environmental Management and Planning.

23/07/02

APPENDIX 1

Fig 1 Site Location Map

Dwg. 2000-010-01-03 Site Layout Drawing