

## INSPECTORS REPORT

WASTE LICENCE REGISTER NUMBER 87-1

### (1) Summary:

The application is for a waste transfer station accepting an estimated 5,000 tonnes per annum. It is located in a rural area. A civic waste facility and proposed areas for composting and construction and demolition waste and the closed Caherciveen landfill are included within the facility. A temporary transfer station is operating at the closed landfill at present.

<b>Name of Applicant</b>	Kerry County Council
<b>Facility Name (s)</b>	Caherciveen Transfer Station
<b>Facility Address</b>	Inchamacteige, Caherciveen, Co. Kerry
<b>Description of Principal Activity</b>	Transfer Station
<b>Quantity of waste (tpa)</b>	5,000
<b>Environmental Impact Statement Required</b>	No
<b>Number of Submissions Received</b>	Two
<b>INSPECTOR'S RECOMMENDATION</b>	The draft proposed decision, as submitted to the Board, be approved.

### SITE VISITS

Date	Purpose	Personnel
10/3/99	Site notice compliant	Brian Donlon
10/4/00	Site visit	Mick Henry, Regina Campbell & Maeve McHugh
2/6/00	Site visit	Brian Donlon & Regina Campbell

### (2) Facility Location

**Appendix 1 contains a location drawing and a layout drawing showing the significant features of the facility.**

The proposed site is located in a rural area approximately 3km southeast of Caherciveen. Entry to the site is via a small access road branching off the county road L7006. Bog, heathland and grassland surround the site.

The site of the proposed transfer station is in the catchment area of the Carhan River. This river drains the land in and around the site via a series of drainage channels. To the west of the site of the proposed transfer station, there is a drainage channel which runs from south to north along the eastern boundary of the existing landfill.

### **(3) Waste Types and Quantities**

It is estimated that up to 5,000 tonnes per annum of non-hazardous waste will be accepted at the transfer station. Non-hazardous waste will consist of domestic, commercial and industrial wastes. No hazardous waste will be accepted at the transfer station building. Small quantities of hazardous wastes such as waste oils, fluorescent light bulbs, solvent based paints and varnishes and batteries will be accepted at the civic amenity facility. Other wastes for recycling/recovery include glass bottles, beverage cans, paper, textiles, tyres, cardboard, plastic, timber, white goods and other metals (Condition 5.4). Condition 5.5 requires proposals for composting and construction and demolition areas which may be developed in the future. It is expected that very small quantities are expected to be processed and, therefore, no emission limit values have been set.

### **(4) Activity Summary**

At present there is a temporary transfer station operating on a section of the closed landfill and the waste transfer station will be constructed on land adjacent to this. The waste accepted at the site will be compacted and transported off site for disposal at the North Kerry Landfill site. It is estimated that the total quantity of waste previously landfilled at Caherciveen landfill amounts to 50,000m<sup>3</sup>. The waste deposited is shallow of approximately 2-3m depth. Condition 8.2.1 requires a detailed Conditioning Plan for the closed landfill to be submitted to the Agency for agreement.

### **(5) Facility Design**

The transfer station will be surrounded by security fencing consisting of timber post and wire fencing approximately 3m high around the site and pallsade gates and fencing at the site entrance. The only entrance or exit to the site will be immediately in front of the weighbridge. The security gates at the site entrance will be locked when the transfer station is closed for business.

The infrastructure to be put in place at the facility includes the following:

- Control house and car park
- Civic waste facility
- Weighbridge
- Transfer station (including hopper and compactor)
- Waste container conveyor system and storage area
- Foul sewer and waste water treatment unit
- Surface water drainage network
- Fuel storage area
- Quarantine area.

Areas have been reserved for composting and recovery of construction and demolition waste at the facility.

## **(6) Facility Operation/Management**

### **Waste Acceptance Procedures**

Condition 5.2 specifies the waste types acceptable at the facility. Condition 3.10 specifies that a record must be maintained for each load of waste arriving at and being removed from the site.

### **Waste Handling**

Waste vehicles arriving at the facility will be weighed and directed to the transfer building where the waste is tipped into the hopper and compactor. The compacted waste is transferred into a sealed steel container that is attached directly to the compactor. Each container is capable of holding approximately 15 tonnes of waste or the contents of 2 to 3 refuse collection vehicles. Filled containers will be lifted onto trucks using a hook-lift and transferred off site for disposal at North Kerry landfill.

Domestic waste delivered to the site by members of the public will be inspected and directed to the transfer building.

Waste destined for landfill, recovered and rejected materials are recorded (weight, destination, nature, etc.) prior to dispatch from the facility (Condition 3.10).

Facilities will be provided in the civic waste facility for the storage prior to removal offsite of the waste types specified in Condition 5.4 destined for recycling/recovery.

### **Nuisance Control**

All transferred materials and compacted wastes will be stored in sealed containers. This along with the fast turn-around of waste (Condition 6.1) and ongoing site inspections for nuisance within and at site boundaries (Condition 6.2) will ensure that litter and vermin should not pose a problem at the transfer station. Conditions 6.3 and 6.4 will minimise the possibility of litter nuisance outside the transfer building. Conditions 6.5 and 6.6 provide for the protection of the public highway from deposition of waste and debris by vehicles using the waste transfer station.

Condition 8.2.1 requires restoration of the adjoining landfill. These include requirements that a covering of 500mm of inert material is placed on exposed waste, that all loose waste within and in the environs of the landfill site is covered and that proposals for road watering arrangements during the restoration of the closed landfill to prevent spoiling of the public road are submitted.

### **Dust Emissions**

The hopper and compactor units are within an enclosed area and this will minimise the potential for dust emissions from waste handling. Condition 9.1 and Schedule F.1 requires annual dust monitoring to be undertaken at the facility. Good site housekeeping will also keep dust levels to a minimum. Site road cleansing will be carried out regularly to decrease the potential for soiling of public roads. The requirement for capping material to be brought onto the adjacent landfill site for restoration purposes may give rise to dust emissions from within the landfill boundary and along the adjoining access roads. This activity will be of short duration.

### **Hours for Waste Acceptance**

Condition 5.11 specifies the hours during which waste is to be handled and accepted at the facility. These are as follows:

Monday to Friday (March to October)	7.30am – 7.30pm
Monday to Friday (November to February)	8.00am – 5.30pm
Saturday (all year)	8.00am – 5.30pm

### **(7) Emissions to surface water**

Surface water run-off from hardstanding areas which are not used for handling or storage of waste will be diverted to the surface water drainage system which will ultimately discharge to the perimeter drainage ditch. Surface water run-off from hardstanding areas where waste is stored or handled will be diverted to the foul sewer along with wastewater from the control house. The foul sewer will discharge to a septic tank and will receive treatment in a Puraflo wastewater treatment unit prior to discharge to the drainage ditch to the north of the site.

Oil interceptors are required on the surface drainage system prior to discharge (Condition 4.11.2) and in the foul sewer prior to discharge to the waste water treatment unit (Condition 4.12.2). Condition 10.2 specifies the requirements for the provision of spill abatement material. The Conditioning Plan (Condition 8.2) for the old landfill site will incorporate proposals for monitoring and subsequent leachate and surface water management.

### **(8) Emissions to Sewer**

There are no emissions to sewer from the waste transfer station and the adjoining closed landfill site.

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

All waste transfer operations will be carried out on a concrete hardstanding area. The nature and composition of the waste stream, the quick turnaround time and the procedures for storage of waste in sealed containers minimise the likelihood of leachate being produced at the site which would have an effect on hydrogeology of the area. Run-off from these areas will be diverted to the foul sewer drainage system. All fuel tanks will also be bunded. Drainage from the fuel dispensing area, unless contained within the bund, shall be directed through an oil separator (Condition 4.7.1). The Conditioning Plan (Condition 8.2) for the old landfill site will incorporate proposals for leachate and groundwater monitoring and management.

### **(10) Emissions to Air**

Dust emissions will be kept to a minimum as described previously under Facility Operation/Management. Dust monitoring will be carried out on an annual basis as

required (Condition 9.1 and Schedule F). Landfill gas will be examined as per the Conditioning Plan and the normal trigger levels are included in the PD.

#### **(11) Noise Emissions**

A noise monitoring survey has shown that ambient noise levels in the vicinity of the proposed transfer station are typical of those for a rural location. The results will provide baseline values which can be used to assess the impact of future noise emissions from the facility. Noise emissions may arise from operational plant and traffic movements to and from the site and also during the restoration of the landfill area. All waste transfer operations will however be carried out within enclosed conditions which will minimise noise emissions. Annual noise monitoring is required at the locations outlined in Schedule F.2 while noise emission limits for any noise sensitive locations are set in Schedule G.3.

#### **(12) Restoration and Aftercare**

##### **▪ Waste transfer station**

Condition 8.1 requires a proposal for a Decommissioning and Aftercare Plan for the waste transfer station to be submitted.

##### **▪ Closed Caherciveen Landfill Site**

Condition 8.2 requires a conditioning plan for Caherciveen landfill site to be submitted. This will include the management of leachate and groundwater and surface water monitoring programmes. Condition 11.2 will generate a financial provision for the closure of the site.

#### **(13) Other Significant Environmental Issues**

None

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

The Regional waste management plan for Clare, Kerry and Limerick was recently adopted. This includes as a policy the closure of the Caherciveen Landfill site and the construction of a waste transfer station at the site.

#### **(16) Submissions/Complaints**

There were two submissions:

Duchas, Development Applications Section

Duchas, National Monuments and Historic Properties.

Both stated that they had no objections to this development.

Signed: \_\_\_\_\_

Dated: \_\_\_\_\_

Brian Donlon

(assisted by Regina Campbell)

Environmental Management and Planning.

**APPENDIX 1**  
**LOCATION & LAYOUT DRAWING**

**APPENDIX 2**  
**SUBMISSIONS**