

## INSPECTORS REPORT

WASTE LICENCE REGISTER NUMBER 69-1

### (1) Summary:

The application is for a waste transfer station accepting 12,500 tonnes per annum. A civic waste facility and proposed areas for composting and recovery of construction and demolition waste are included within the boundary of the waste transfer station.

The now closed Milltown landfill site is adjacent to the waste transfer station and is included within the application boundary. A Conditioning Plan including restoration proposals for the landfill site is required by Condition 8.2 of the draft PD.

<b>Name of Applicant</b>	Kerry County Council
<b>Facility Name (s)</b>	Milltown Transfer Station
<b>Facility Address</b>	Ballyvirrane, Milltown , Co. Kerry
<b>Description of Principal Activity</b>	Transfer Station
<b>Quantity of waste (tpa)</b>	12,500
<b>Environmental Impact Statement Required</b>	No
<b>Number of Submissions Received</b>	None
<b>INSPECTOR'S RECOMMENDATION</b>	The draft proposed decision, as submitted to the Board, be approved.

Notices	Issue Date(s)	Reminder(s)	Response Date(s)
Article 8	27/11/99		21/12/99, 12/01/99
Article 14 (2) (b) (i)	Not Applicable		
Article 14 (2) (b) (ii)	27/04/99, 03/06/99, 06/10/99		30/06/99, 12/08/99, 28/10/99
Article 14 (2) (a)	25/11/99		
Article 16	Not Applicable		

<b>Applicant Address</b>	County Buildings, Rathass, Tralee, Co.Kerry.
<b>Planning Permission status and date granted (if appropriate)</b>	Not applicable
<b>Planning Authority</b>	Kerry County Council
<b>Is the facility an existing facility:</b>	No
<b>Prescribed date for application:</b>	All new facilities need to apply from 1May 1997
<b>Date Application received:</b>	30 <sup>th</sup> September 1998
<b>Confidential Information Submitted</b>	Not Applicable
<b>Location of Planning Documents in Application</b>	Not applicable

**FACILITY VISITS:**

<b>DATE</b>	<b>PURPOSE</b>	<b>PERSONNEL</b>	<b>OBSERVATIONS</b>
30/10/98	Site notice assessment	B Donlon	Site notice non compliant
09/02/99	Site notice assessment and site visit	T O'Mahony	Visit Site and verify new site notice compliant with regulations
24/01/00	Site visit	T O'Mahony	Visit transfer station and adjoining landfill

**(2) Class/Classes of Activity**

**The class(es) of activities for which the applicant has applied are marked below. The principal activity is indicated by (P), other activities by (X).**

<b>Waste Management Act, 1996</b>			
<b>THIRD SCHEDULE Waste Disposal Activities</b>		<b>FOURTH SCHEDULE Waste Recovery Activities</b>	
1. Deposit on, in or under land (including landfill).		1. Solvent reclamation or regeneration.	X
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).	X
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		3. Recycling or reclamation of metals and metal compounds.	X
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	X
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule.		6. Recovery of components used for pollution abatement.	
7. Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule.		7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	X
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.		11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	P	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	
13. Storage prior to submission to any activity referred to in this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	X	13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	X

**Class description:**

The applicant described the activities as follows:

**Third Schedule**

Class 12: This refers to the principal activity of repackaging at the transfer station.

Class 13: This refers to the storage of municipal solid waste on site in sealed containers prior to disposal offsite to landfill.

**Fourth Schedule**

Class 1: This refers to the provision of special sealed containers at the Civic Amenity Site for small volumes of solvent based paints or varnishes( which may be delivered to the site by private individuals). The sealed containers will be sent off-site for treatment as hazardous waste.

Class 2: This refers to the provision of an area reserved for composting at the site. Garden waste and landscaping wastes may in the future be accepted at the site and used for composting.

Class 3: This refers to the provision of bins for the recovery of aluminium cans. White good such as fridges and washing machines etc. will also be accepted at the facility.

Class 4: This refers to the provision of bins for the recovery of glass bottles and to the recycling and reclamation of construction and demolition waste.

Class 8: This refers to the recovery of used oil including engine oil and vegetable oil.

Class 13: This refers to the storage of materials (including materials for composting) on site prior to recovery at the facility or removal to a recovery facility off-site.

**Activities recommended for licensing:**

It is recommended that the activities listed below, for which the applicant has applied for a waste licence, be licensed subject to the requirement of Condition 1.1 of the Proposed Decision.

Third Schedule: Classes 12 and 13.

Fourth Schedule: Classes 1,2,3,4 and 13.

Class 8 of the Fourth Schedule was included in the application but is not proposed to be authorised. The description of this activity as provided by the applicant is not relevant to the activity applied for. The activity applied for under Class 8 of the Fourth Schedule (“recovery of used oil including engine oil and vegetable oil”) is, however, permitted under Class 2 of the Fourth Schedule.

**(3) Facility Location**

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

The facility is located approximately 2 kilometres south of Milltown immediately east of the Milltown –Ballyvirrane local road linking the N70 and N72 National Secondary roads. The landuse in the immediate vicinity of the facility comprises predominantly peatland liable to flooding, damp unimproved grassland and improved grassland. There is coniferous tree planting to the immediate south of the facility.

There are five houses within 500m of the facility, the nearest of which is located 260m to the south of the site. There is a Bed and Breakfast and associated riding stables approximately 1.5km to the north of the facility. There are also a number of residential and commercial properties along the R563 approximately 1.5 km to the east of the facility.

The facility is situated in the catchment of the Ashullish stream and the Kealbrogeen stream. The Ashullish is approximately 150 m to the northeast and is a tributary of the Maine River, which it joins to the northwest of Milltown. The Kealbrogeen stream is situated 1km to the south of the facility and is a tributary of the River Laune which it joins approximately 3km to the south of the facility.

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

It is estimated that a maximum 12,500 tonnes of non-hazardous waste will be accepted at the waste transfer station. There will be no hazardous waste accepted at the refuse intake building. Provisions for the recovery/recycling of waste oils, batteries, solvent based paints, varnishes and fluorescent tubes will be made at the civic waste facility within the transfer station. Other wastes for recycling/recovery include cardboard, paper, plastic, glass bottles, aluminium cans and white goods. The maximum annual quantities of waste destined for composting is estimated as 100 tonnes of organic waste and it is estimated that 2000 tonnes of construction and demolition waste will be recovered at the facility.

#### **(5) Activity Summary**

The waste transfer station has been constructed on land adjacent to the now closed Milltown landfill site. The waste accepted at the site will be compacted and transported off site for disposal at the North Kerry Landfill site. Commercial and industrial non-hazardous wastes and domestic waste will be accepted from Kerry County Council refuse collection vehicles, private waste collection contractors and members of the public. Cardboard, paper, plastic, glass, aluminium cans, waste oils, batteries, solvent based paints, varnishes, fluorescent tubes and white goods will be recycled/recovered at the civic waste facility within the waste transfer station(Condition 5.4).

The closed landfill site adjoining the waste transfer station will be required to be restored as part of the licence and a monitoring programme and conditioning plan is required by Condition 8.2.1.

#### **(6) Facility Design**

The transfer station and the closed landfill are clearly segregated by boundary fencing along the perimeter drain and both have separate gated entrances. The waste transfer station is monitored by Close Circuit Television and lighting provided for operation of the site during hours of darkness.

The infrastructure in place at the facility includes the following as shown on Drawing 97-01711 D.1.1 Rev. D entitled Site Layout Plan (dated August 1999):

Site Office and Car Park  
Civic waste facility area and associated recycling/ recovery receptacles  
Weighbridge  
Enclosed Refuse Intake Building  
Waste container conveyor system and storage area  
Foul sewer and waste water treatment unit  
Surface water drainage network  
Fuel Storage tank

In addition to the above, within the boundary of the transfer station, there are areas reserved for composting and recovery of construction and demolition waste. Proposals for these activities are required to be submitted by the applicant to the Agency within six months of the date of grant of the licence. Condition 4.10 requires proposals for a waste inspection/quarantine area to be constructed at the facility. The bunded fuel storage tank on the site is required to be replaced by a bunded fuel storage area (Condition 4.9.1).

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

### **• Waste Acceptance Procedures**

Conditions 5.1 and 5.2 specify the waste types acceptable at the facility. Apart from the recovery of waste oils, batteries, solvent based paints, varnishes and fluorescent tubes at the civic waste facility no hazardous waste will be accepted at the waste transfer station. 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**

Refuse vehicles arriving at the facility are weighed and directed to the refuse intake building where the waste is tipped into the hopper and compactor. The compacted waste is transferred into a sealed steel container which is attached directly to the compactor. When full the container is disconnected from the compactor unit by use of a traversing rail system and replaced with an empty container. Filled containers will be lifted onto trucks using a hook-lift and transferred off site for disposal at landfill.

Domestic waste delivered to the site by members of the public is weighed and deposited in the hopper unit in the refuse intake station for compaction.

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. Condition 5.5.1 requires proposals for the degassing of CFC's from refrigerators deposited at the civic waste facility. Condition 5.5.2 and 5.5.3 require proposals for storage of waste oils and solvent based paints, varnishes and Condition 5.5.4 requires proposals for storage of fluorescent tubes at the civic waste facility. Proposals for composting (5.5.5) and recovery of construction and demolition waste (Condition

5.5.6) to be undertaken within the facility boundary are to be submitted to the Agency for agreement within six months of the date of grant of the licence.

- **Nuisance Control**

Litter and vermin (rats, birds and flies) should not pose a major nuisance problem at the waste transfer station due to the fast turn-around of waste (Condition 6.1) and as the handling of waste, other than possibly waste at the proposed Waste Inspection/Quarantine Area is carried out indoors. In addition, compacted waste stored on site prior to transport offsite to landfill will be within sealed steel containers. Condition 6.2 does, however, require ongoing inspections of the site for nuisance due to vermin (birds, flies and rodents) within and along the boundary of the transfer station. In the event that infestations of vermin occur the licensee is required to introduce appropriate measures to eradicate the infestation. The adjoining Milltown landfill is required to be restored by Condition 8.2.1 of the licence. While much of the landfill area is now colonised by vegetation there are areas where waste is exposed. Condition 8.2.1.3 requires a covering of inert material (to a specification agreed in advance with the Agency) to be placed over any exposed waste in the landfill within six months of the date of grant of the licence.

Conditions 6.2, 6.3 and 6.4 will minimise the possibility of litter generation outside the Transfer Building. Condition 8.2.1.2 (b) requires all loose waste within and in the environs of the landfill site to be removed and appropriately disposed. Odour nuisance associated with the waste transfer station will be regulated through Conditions 6.2 and 6.8.

Proposals for a wheelwash facility including washing of waste containers are required by Condition 4.15.1. All traffic movements within the waste transfer station will be on paved surfaces. Furthermore, Conditions 6.5 and 6.6 provide for the protection of the local road from deposition of waste and debris by vehicles using the waste transfer station.

- **Dust Emissions**

As waste deposition into the hopper unit and its subsequent compaction is within an enclosed area the potential for dust emissions from waste handling is minimised. Condition 9.1 requires annual dust monitoring to be undertaken at the facility. 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. The measures to avoid dust emissions from within the waste transfer station will also be applied at the landfill site during restoration activities.

- **Hours for Waste Acceptance**

Conditions 5.13 and 5.14 respectively specify the hours during which waste is permitted to be handled and accepted at the facility.

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

Surface water run-off from from areas of hardstanding other than those where waste is handled and stored is directed to surface water drains which discharge to the perimeter drainage ditches to the south and east of the the site.

Surface water run-off water from the refuse intake building, the waste container conveyor area, the container storage area and the civic waste facility are conducted via a foul sewer to a waste water treatment unit. Waste water and sewage from the site office/reception building is also directed to the foul sewer and the wastewater treatment unit. Proposals for the introduction of an oil interceptor(s) prior to the discharge points to the perimeter drainage ditch from the surface water drainage system (Condition 4.13.2) and the foul drainage system(Condition 4.14.2) are required to be submitted to the Agency for agreement. Condition 10.2 specifies the requirements for the provision of spill abatement material.

#### **(9) Emissions to Sewer**

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

#### **(10) Emissions to Groundwater**

There will be no emissions to groundwater from the waste transfer station.

#### **(11)Emissions to Air**

Dust emissions control has been described under Dust Emissions above.

#### **(12) Noise Emissions**

The facility is located in a rural area and the noise monitoring results indicated values typical of rural background levels The sources of noise emissions at the waste transfer station consist of a tractor , the hopper and compactor units, the alarm associated with the container conveyor system and site traffic. The implementation of the Conditioning Plan for the adjoining Milltown Landfill site will give rise to additional noise emissions associated with the delivery of capping material and the introduction of monitoring infrastructure. This will, however, be of short duration.

Annual noise monitoring is required at the locations outlined in Schedule F.2 while noise emission limits are set in Schedule G.



**(13) Restoration and Aftercare**

**Waste Transfer Station**

In the event of permanent cessation of the waste transfer station, Kerry County Council propose to remove all plant and equipment from the site. Condition 8.1 requires a proposal for a Decommissioning and Aftercare Plan to be submitted to the Agency for agreement.

**Closed Milltown Landfill Site**

Condition 8.2 requires a Conditioning Plan for the closed Milltown Landfill site to be submitted to the Agency for agreement within six months of the date of grant of the licence. This Plan will include proposals for the restoration of the landfill site. In addition, the Conditioning Plan is required to incorporate proposals for leachate, landfill gas and surface water management for the landfill site. The Conditioning Plan is also required to include proposals for an environmental monitoring programme at the landfill site for the following elements – surface water, groundwater, leachate, landfill gas, stability and flora and fauna (Condition 8.2.1.1 (e)).

**(14) Other Significant Environmental Issues**

None.

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

***Waste Management –A Strategy for Kerry (December 1998)***

The Waste Management Strategy for County Kerry has been approved by the elected members of Kerry County Council but has not been formally adopted. The Waste Management Strategy includes as a policy the closure of the Milltown Landfill site and the construction of a waste transfer station at the site.

***Air Quality Management Plan***

There is no Air Quality Management Plan for County Kerry.

***Water Quality Management Plan***

There is no Water Quality Management Plan for the surface water catchments in the vicinity of the site.

**(16) Submissions/Complaints**

There were no submissions made in relation to the waste licence application.

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

Tadhg O'Mahony  
Environmental Management and Planning.

**APPENDIX 1**

**LOCATION PLANS**