

## **INSPECTORS REPORT**

**WASTE LICENCE REGISTER NUMBER: 175-1**

**Applicant: Kildare County Council**

**Facility: Athy Civic Amenity, Gallowshill, Athy, Co. Kildare**

**Inspector: Helen Maher**

**Inspector's recommendation: That a licence be granted subject to a number of conditions.**

### **(1) Introduction:**

This application is for a new Civic Amenity Facility managed by Kildare County Council, to accept 5500 tonnes of municipal solid waste per annum. The proposed location of the facility forms part of Kildare County Council's Depot for road maintenance equipment storage. The Civic Amenity Facility (0.53 hectares) will facilitate the recycling, reclamation and transfer of non-hazardous municipal solid waste. Planning permission was granted for the facility in September 2002.

The Council Depot which incorporates the Civic Amenity Facility, is bounded on the east by a housing estate (Shamrock Drive), and is approximately 20m from the Civic Amenity Facility boundary. Shamrock Drive has an elevated position and is in a clear line of sight from the facility. The existing hedgerow network, which bounds the facility, shall be maintained so as to minimise any visual impact on local residents. (Condition 5.5) A Petrol station is located 150 metres to the south west of the facility. There are no sensitive receptors to the north and west of the facility.

Infrastructure proposed at the facility consists of hoppers (2) and compactors (2) for compaction of municipal waste, a shredder for green waste, a bring-bank area for recyclable/recoverable waste and a household hazardous waste building.

Classes 11, 12 (Principal Activity) and 13 of the Third Schedule and Classes 1, 2, 3, 4, 11, 12 and 13 of the Fourth Schedule were applied for in the application.

<b>Quantity of waste (tpa)</b>	5,500
<b>Environmental Impact Statement Required</b>	No
<b>Number of Submissions Received</b>	1

### **Facility visits:**

<b>DATE</b>	<b>PURPOSE</b>	<b>PERSONNEL</b>	<b>OBSERVATIONS</b>
23/09/2002	Site notice compliance and inspection.	Helen Maher	Site Notice complies with Art. 8.

A location map (Figure B.1.1) showing the outline of the facility to which the application relates and a facility layout Drawing (No. 2001- 114 -05 - 003 Rev C “Proposed Site Layout Map”) is provided in Appendix 1.

## **(2) Facility Development**

The main infrastructure proposed by the applicant and required by the recommended PD includes facility access roads, fencing, installation of close-circuit television (CCTV) monitoring system, control building, weighbridge, household hazardous waste building and drainage systems for wastewater and surface water run-off. The recommended PD requires the applicant to install a waste quarantine area (Conditions 3.7, 3.2 and Schedule B. A power washer will be used to clean waste containers (Condition 7.5).

The applicant proposes to compact municipal solid waste and is required (Condition 7.4) to bale cardboard and paper. The PD requires that compactor details shall be forwarded to the Agency for agreement as per the Specified Engineering Works (Condition 3.2 and Schedule B). A drainage collection system will serve the facility. Potential nuisances at the facility are controlled by Condition 7 of the PD.

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

The applicant proposes to accept 5005 tonnes in the first year and to accept 5469 tonnes by the year 2005. The recommended PD allows the facility to accept a total of 5500 tonnes of waste per annum. This total consists of household waste (3,295 tonnes), commercial waste (2,200 tonnes) and hazardous waste (5 tonnes) as detailed in Schedule A. The PD allows for changes to the quantity of household waste and commercial waste provided that the total annual tonnage of waste is not exceeded. (Schedule A) The applicant estimates that the initial annual waste intake of 5000 tonnes will consist of 4000 tonnes of waste for disposal and 1000 tonnes of recyclable waste. The PD limits the use of the facility to private individuals and light commercial vehicles as proposed by the applicant (Condition 5.1).

Waste delivered at the facility, will be checked by site staff. (Condition 5.1) Bags of municipal waste will be placed in a hopper that will feed the compactor. The compacted waste will be compacted into a sealed trailer attached directly to the compactor and then transferred off site for disposal. Each trailer is capable of holding approximately 22 tonnes of waste. Details of the proposed waste disposal and recovery facilities, which will accept waste from this facility were submitted as part of the Article 16 response.

Containers will be provided for collection of the following waste: glass, glass bottles, aluminium cans, paper, cardboard, plastics, textiles, tyres, white goods, fluorescent tubes, batteries and accumulators, waste oils, oil filters and household hazardous waste such as paints, agrochemical wastes and household chemicals (Schedule A).

A split level “saw-tooth” concrete wall will allow for the collection of bulky materials in hook-lift containers or skips: scrap metals, DIY waste, electronics, timber, and green waste. Waste acceptance hours: 8.30 to 17.00 Monday to Saturday inclusive. Hours of operation: 8.00 to 18.00 Monday to Saturday inclusive (Condition 1.6).

#### **(4) Emissions to Air**

Noise monitoring carried out by the applicant indicates that the background noise levels at the nearest residences (Shamrock Drive) on the eastern side of the facility (Noise Sensitive Location S1) are in excess of 46 dB(A) during the day. The applicant states that the main noise impact can be attributed to vehicular movement entering and leaving the facility and operation of the compactor during operational hours. The shredder has the highest noise rating on-site at approximately 85 dB(A). Depending on the quantity of green waste, shredding may only be required one or two times a week. The hours of operation for the compactor and shredder have been restricted to between 9.00 am and 5pm (Condition 1.6). A second noise sensitive location (S2) has been located between the facility access road and the nearest residents (McDonnell Drive). Condition 8.1 and Schedule D set the requirements for noise monitoring. The noise emission limit values to be measured at both noise sensitive locations are set in Schedule C.

Dust monitoring is required under Condition 8.1 and Schedule D of the PD. Dust emission limit values are set out in Schedule C. Condition 7 of the recommended PD requires the dust control measures to be carried out.

Condition 7.4 of the PD requires removal of waste for disposal within twenty four hours of its arrival (for Bank Holiday weekends seventy two hours) to avoid odour nuisances.

#### **(5) Emissions to Groundwater**

All areas of the facility shall be paved. Flexible pavement will be used for areas with vehicle movement and reinforced concrete slabs will be used in areas with storage/handling of waste (Condition 3.5). The Hazardous Waste Building shall be secure, bunded and surfaced to deal with spillages of all liquids stored therein. (Condition 3.10) No fuel will be stored at the facility. Condition 6.3 specifies that there shall be no direct emission to groundwater.

#### **(6) Emissions to Sewer**

Wastewater generated at the facility (toilets/canteen) and contaminated surfacewater run-off from areas used for the storage and handling of waste, and contaminated power wash water will be discharged to sewer.

Section 52 consent has been obtained from Athy Town Council, however no emission limit values were detailed. All wastewater will be discharged to the sanitary authority sewer (Condition 3.11). Condition 6.6 sets the requirements for emissions to sewer. Monitoring requirements are set under Condition 8.1 and Schedule D. The drainage system is shown in Drawing No. 2001- 114 -05 - 004 Rev B “Civic Amenity Services Layout” is provided in Appendix 1.

#### **(7) Emissions to Surface Waters**

Surface water run-off will collect in silt trapping gullies and then flow to the storm water system. All uncontaminated surfacewater will pass through a Class I full retention interceptor (Condition 3.11 of the recommended PD) before discharging to a newly-built soakpit in the south of the facility. The drainage system is shown in Drawing No. 2001- 114 -05 - 004 Rev B “Civic Amenity Services Layout”. A surface water monitoring point has been located at the outlet pipe before discharge to the soakpit.

Schedule C “Emission Limits” of the PD set trigger levels for surface water discharges from the facility. Surface water monitoring requirements are established under Schedule D.

#### **(8) Other Significant Environmental Impacts of the Development**

None

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

The Kildare County Waste Management Plan states that Kildare County Council will arrange for the provision of a minimum of three dedicated Civic Amenity sites. This Civic Amenity Facility will serve Athy town and the environs.

#### **(10) Submissions**

Only one submission was made. Duchas stated that they have no recommendations or objections to the application.

**(11) Recommendation**

I recommend that a licence be granted for Classes 11, 12 and 13 of the Third Schedule and Classes 2, 3, 4, 11, 12 and 13 of the Fourth Schedule as applied for in the application. Class 1 of the Fourth Schedule was refused, as the activity described does not come under this class but rather Class 2 of the Fourth Schedule.

I am satisfied, on the basis of the information available, that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

**Signed** \_\_\_\_\_

**Dated:**

**Name** Helen Maher, Inspector  
Environmental Management and Planning

## **APPENDIX 1**

1. Fig. Figure B.1.1 Site Ownership Plan
2. Drawing No. 2001- 114 -05 - 003 Rev C “Proposed Site Layout Map”
3. Drawing No. 2001- 114 -05 - 004 Rev B “Civic Amenity Services Layout”