



**OFFICE OF CLIMATE,
LICENSING &
RESOURCE USE**

INSPECTORS REPORT ON A LICENCE APPLICATION

To:	Directors	
From:	Marian Doyle	ENVIRONMENTAL LICENSING PROGRAMME
Date:	15 th JANUARY 2008	
RE:	Application for a Waste Licence Review from WATERFORD UTILITY SERVICES (WASTE DISPOSAL) LTD , Licence Register W0116-02	

Application Details

Type of facility:	Waste Transfer Station
Classes of Activity (P = principal activity):	Third Schedule: Class 11, 12, 13 Fourth Schedule: Class 2 (P), 3, 4, 13
Quantity of waste proposed to be managed per annum:	Licensed in W0116-01 for 15,000 tonnes/year Proposed in W0116-02 for 70,000 tonnes/year
Classes of Waste:	Non-hazardous Household, Commercial & Industrial wastes, and Construction & Demolition (C&D) Waste.
Location of facility:	Six Cross Roads, Carriganard, Butlerstown, Co. Waterford.
Licence application received:	27 th February 2007
Third Party submissions:	None
EIS Required:	No
Article 8 Notices sent:	21 st May 2007
Article 14 Notices sent:	5 th June 2007, 6 th June 2007, 16 th August 2007, 28 th September 2007.
Article 14 Compliance date:	13 th November 2007
Site Inspection:	17 th May 2007
Site Notice Inspection:	17 th May 2007, 17 th July 2007

1. Facility

Waterford Utility Services (Waste Disposal) Ltd., operate a non-hazardous waste transfer station at Six Cross Roads, Carriganard, Butlerstown, Co. Waterford. The facility has been licensed by the Agency since 5th May 2000 (Reg. No. W0116-01). It is situated on a local access road off the N25, approx. 1km south-west of Waterford City. The site (approx. 0.39 hectares) is in an area zoned as industrial with adjacent land zoned as agricultural. There 28 staff employed. It is understood that in October 2004

Waterford Utility Services (Waste Disposal) Limited was acquired by Ormonde Waste Limited, but continued to trade under the same name. It is also understood that in October 2006 Ormonde Waste Limited was acquired by Greenstar Limited.

The licensee has provided the following reasons for the review application: to increase the maximum waste intake to 70,000 tonnes per annum (tpa); to extend the hours of operation; to allow public access to a civic amenity area; and to include Class 12 of the Third Schedule as a waste activity. Class 12 (*Repackaging prior to submission to any activity referred to in the preceding paragraph of this Schedule*) is not authorised under the existing licence W0116-01, however that licensee has confirmed that it is a current waste activity. The wastes accepted under licence W0116-01 are mixed and source segregated household, commercial, industrial and C&D wastes, and no change to the waste types is proposed.

2. Operational Description

The facility consists of the waste transfer building (860m²) including a loading ramp, inspection and quarantine areas, and bays for household/commercial waste, industrial and C&D waste. The interconnected dry recyclables area (285 m²) includes a baler, storage area and proposed civic amenity area. The mixed household/commercial & industrial waste is bulked, and transferred off-site for recovery or disposal. The main segregated wastes accepted are paper, card and plastic, which are baled. C&D waste is accepted and handled within the transfer building, with the exception of metals, which are stored in containers in the open yard area.

Waterford Utility Services (Waste Disposal) Ltd propose to increase the waste intake from 15,000tpa to 70,000tpa. They propose that this be achieved by an increase in the hours of waste acceptance/operation and existing spare capacity at the facility. The hours of operation proposed are 06.00 to 23.00 Monday to Sunday. The licensee does not expect that the facility would be operated continuously during all this time, but it is to facilitate early and late waste collections. It is noted that the facility is located in a *cul de sac* of an industrial area. Also the nearest sensitive receptors are two residential dwellings (approx. 120m southeast and 220m south of the site as stated in the application). No complaints have been received in the licensed history of the site. Also, no third party submissions have been received on the review application. The RD in Condition 1.8 specifies the hours of waste acceptance and operation as 06.00 to 23.00 seven days a week. With the extended operating hours night-time noise monitoring will be included in the noise surveys and night time limits will be required to be met.

The RD has set a limit of 70,000tpa to be accepted at the facility, with the waste types and quantities as in Table 1. The licensee is required in Condition 3.12 to establish additional infrastructure prior to accepting greater than 25,000tpa. It is considered that adequate measures are in place at the facility to cater for the increase in waste intake up to 25,000tpa. Also Condition 3.8 requires a report within three months detailing the duty and standby capacity of all waste handling and processing equipment based on the maximum waste intake of 70,000tpa.

Table 1: Waste Types and Quantities

Waste Types	Maximum Tonnes per annum (tpa)
Municipal (Household & Commercial) Waste	30,000
Industrial Non-Hazardous Solid Waste	20,000
Construction & Demolition Waste	20,000
Total	70,000

The mixed waste to be accepted will have putrescible fractions with the potential to cause odour. The processing building is currently not operating in line with BAT, however the licensee proposes to install a combined dust extraction and odour management system. This would require an enclosed building and negative air pressure. As above this infrastructure is required to be in place prior to accepting greater than 25,000tpa. All waste processing is to continue to be carried out indoors and no waste other than metals, wood and other dry solid waste may be stored outside unless agreed by the Agency (Condition 8.10).

The facility is currently licensed for Classes 11 & 13 of the Third Schedule (Disposal) and Class 2 [Principal Activity], 3, 4, & 13 of the Fourth Schedule (Recovery). In the RD, Class 12 of the Third Schedule has been included. Class 12 is not authorised under licence W0116-01, however the licensee has confirmed that it is a current waste activity. There are no proposals or additional plant or processes under Class 12.

A civic amenity area is also proposed for non-hazardous household waste, with approximately 1,000tpa proposed to be accepted. This is to be located in the dry recyclables building. Condition 3.11 details requirements for the civic amenity facility. The final layout and waste types shall be submitted to the Agency for agreement before it is opened to the public.

3. Use of Resources

Fuel use at the facility includes diesel, engine oil and hydraulic oil for onsite plant. The fuel for waste collection vehicles is sourced off site. In 2006 electricity use was 55,737 units. No additional plant items are proposed, however the licensee estimates that fuel and electricity consumption would approximately double with the increased waste intake. The RD retains the licence conditions for energy and resource efficiency.

4. Emissions

4.1 Air

The main emissions to atmosphere are fugitive dust and odour. There is a potential for odour as waste streams include mixed household and commercial waste with putrescible fractions. The licensee has proposed to install a combined dust extraction and odour management system in the processing building, comprising of an air collection system, and direction to a treatment system. Condition 3.12 requires all buildings processing putrescible waste to be maintained at negative air pressure with ventilated gases being subjected to treatment as specified by the Agency. Also fast action doors, or equivalent are required on all entry/exit points. In order to ensure that these measures are adequate, a report must be submitted detailing the effectiveness of the odour management system with any recommendations to be implemented. Condition 6.3 requires a test programme to be carried out for the abatement equipment. Condition 8.9 requires that all waste processing be carried out inside the waste transfer building. In relation to putrescible waste Condition 6.13 requires that where this waste is stored overnight at the facility it shall be in suitably covered and enclosed containers, and shall be removed within 48 hours, or 72 hours at Public Holiday weekends.

The main potential for dust is from vehicle movements during periods of dry weather, and from handling of C&D waste. Annual dust monitoring is carried out at 3 locations within the site boundary (D1, D2 and D3). In 2006 dust deposition limits exceeded the licence limit of 350mg/m²/day at D2 and D3. The monitoring report concluded that

algal growth was noted in gauge D2 and that construction work being carried out the site adjacent to gauge D3, and these could have attributed to the exceedances. Dust abatement measures currently being applied on-site include yard sweeping, and damping down in dry weather and processing wastes including C&D waste indoors. Also although dust limits have been exceeded there have been no complaints relating to dust. The RD has addressed potential dust nuisance including the requirement for fast-action doors as above. In dry weather, areas will be sprayed when required (Condition 6.13.2), and all waste processing is to be indoors (Condition 8.9). Also the frequency of dust monitoring has been increased in the RD to bi-annually.

4.2 Noise

The transfer station is located in a *cul de sac* of an area zoned as industrial. The on-site sources of noise have been identified by the licensee as vehicle movements into and out of the facility, trailer and skip lorries unloading, and operation of the baler. In W0116-01 noise monitoring is carried out at three boundary locations and two noise sensitive locations (NLS's). The NSL's N5 and N4 are residential properties located approx. 120m and 220m from the facility respectively.

Details of noise surveys carried out in 2005 and 2006 were submitted with the review application. In 2006, noise levels at the boundary ranged from 66 to 74dB(A)LAeq compared to the limit of 55dB(A)LAeq. Noise levels at N5 were 65-66dB dB(A)LAeq with noise attributed to passing traffic. Noise levels at N4 were 51-61dB(A)LAeq and the source was said to be passing traffic including HGV's on the Kilbarry Road and Green Road. In the March 2006 survey, noises at a low level were audible from the facility, however levels were within licence limits. Since issue of W0116-01 in 2000 no noise complaints have been received. Also the facility is located in an industrial estate and the majority of activities are carried out inside the waste transfer building. Due to the extended hours of operation proposed, night-time noise monitoring has been included in the RD. Also Condition 6.11 requires implementation of noise attenuation measures as required to ensure compliance with noise limits.

4.3 Emissions to Sewer

There is currently no discharge to sewer, however the licensee intends to connect to the sewer network where it becomes available in the future. Process effluent arises from the waste transfer building, waste inspection and quarantine areas, floor washings and the wheel wash. The RD requires that drainage from these areas be directed to an on site holding tank. Condition 3.9 requires that this effluent is tankered offsite to an agreed WWTP for disposal. The frequency of removal shall be such that a minimum of 10% emergency capacity is maintained in the holding tank. The RD also stipulates that a wastewater treatment system is to be maintained for sanitary effluent. Condition 3.21 requires a plan of the existing process and storm water drainage systems to be submitted to the Agency within three months of grant of licence.

4.4 Emissions to Surface Waters

There is no process emission to surface waters.

4.5 Storm and other Water

Storm water runoff discharges, via a Class 1 interceptor, to a land drain adjacent to the site, which flows to St. Johns River. The frequency of monitoring is as for licence W0116-01 and the parameter 'mineral oil' has been added. The water supply is from the mains provided by Waterford City Council. In relation to firewater retention Condition

3.22 requires a risk assessment within a timeframe as agreed by the Agency, to determine if a firewater retention facility is required.

4.6 Emissions to Ground/Groundwater

There are no direct emissions to groundwater and the RD prohibits such discharges. The yard area is concrete hardstanding and all waste processing is indoors. There are no boreholes on site.

4.7 Wastes Generated

The RD requires that all wastes be disposed of using approved recovery/disposal contractors.

4.8 Nuisance

A number of measures are proposed by the licensee to control potential nuisances such as litter, vermin and birds. These include processing waste indoors, good housekeeping, daily litter patrol and road inspections, and vermin control. Litter problems are reduced by the fact that all wastes are processed indoors. Condition 6.12 specifies litter control measures including vehicles carrying wastes or materials to be appropriately covered. Condition 6.16 requires daily nuisance inspections. In addition the conditions referred to for odour, dust, and noise will mitigate against nuisance at the facility.

5. Cultural Heritage, Habitats & Protected Species

There are no habitats identified on or adjacent to the facility, which is in an industrial area. There are no significant environmental emissions from the facility, which could give rise to adverse effects on designated sites.

6. Waste Management, Air Quality and Water Quality Management Plans

In the Joint Waste Management Plan for the South East, 2006 a specific policy is that 'the Region will provide or arrange or facilitate for the provision of an appropriate number of waste transfer facilities, to facilitate the movement of recyclables, biowaste and residual waste to their respective treatment facilities'. The Plan has been adopted by the Local Authorities in the South East Region.

7. Environmental Impact Statement (EIS)

The Planning Authority, following a request for clarification from the Agency have concluded that the proposals do not require an Environmental Impact Statement.

8. Best Available Techniques (BAT)

I have examined and assessed the application documentation and I am satisfied that the site, technologies and techniques specified in the application and as confirmed, modified or specified in the attached Recommended Decision comply with the requirements and principles of BAT. I consider the technologies and techniques as described in the application, in this report, and in the RD, to be the most effective in achieving a high general level of protection of the environment having regard - as may be relevant - to the way the facility is located, designed, built, managed, maintained, operated and decommissioned.

9. Compliance with Directives/Regulations

The facility does not fall under the scope of either the Landfill Directive or the IPPC Directive. In relation to the Water Framework Directive & the Groundwater Directive, the facility has no direct process effluent emissions to surface or groundwater.

10. Compliance Record

In November 2003 Waterford Utility Services (Waste Disposal) Ltd. was successfully prosecuted on seven breaches of licence W0116-01. The charges were: off-site disposal of waste at facilities not approved by the Agency (4 counts), failure to submit a decommissioning plan, failure to provide financial provision and failure to maintain written records of the waste recovered or disposed of at the facility.

In 2005 and in 2006 the licensee was found to be in non-compliance with licence W0116-01 in respect of waste quantities accepted; with 25,999 tonnes accepted in 2005 and 34,094 tonnes accepted in 2006. Also OEE carried out a site inspection on 28th June 2007 and 19,586 tonnes of waste had been accepted to that date, exceeding the annual tonnage limit of 15,000tpa. Other enforcement issues included non-compliances for operation of the facility outside licensed hours and dust exceedances. No complaints have been received relating to the facility since issue of W0116-01 in 2000. The OEE Inspector has been consulted as part of the assessment of the licence review application.

11. Fit & Proper Person Assessment

While acknowledging the historical compliance issues noted above, the Agency under the provision set out in Section 40(8) of the Waste Management Acts deems the applicant to be Fit and Proper Persons for the purposes of this licence review. In this case it is considered relevant to set aside previous convictions for the assessment of Fit and Proper Persons. It is noted that ownership of Waterford Utility Services (Waste Disposal) Ltd has changed in the period since the prosecution took place in 2003.

12. Submissions

No submissions were made in relation to the application.

13. Charges

The annual charge for 2007 was €21,575. The RD requires an annual contribution of €15,301, as the frequency for submission of monitoring returns has been reduced.

14. Recommendation

I have considered all the documentation submitted in relation to this application and recommend that the Agency grant a licence subject to the conditions set out in the attached RD and for the reasons as drafted.

Signed:

Marian Doyle
Inspector

Procedural Note

In the event that no objections are received to the Proposed Decision on the application, a licence will be granted in accordance with Section 43(1) of the Waste Management Acts 1996-2005.