

Enterprise House, Centre Park Road, Cork, Ireland.

Tel: 021-4314388 Fax: 021-4314369

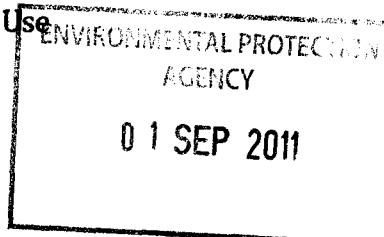
E-mail: mescal@indigo.ie

www.mescal.ie

mescal &
associates

C O N S U L T I N G
E N G I N E E R S

Environmental Licensing Programme
Office of Climate, Licensing & Resource Use
Environmental Protection Agency
Headquarters
P.O. Box 3000
Johnstown Castle Estate
Co. Wexford



31/08/2011

Dear Sirs,

Re: **W0266-01**

With reference to yours on the 11/08/2011, please find attached 2 hardcopies and 2 CD-ROM of the requested information.

Consent of copyright owner required for any other use.

Faithfully yours,

A handwritten signature in black ink, appearing to read "April Elder".

April Elder, BSCE

c. Mallow Contracts Ltd

B.7 Type of Waste Activity, Tonnages & Fees

B.7.1 Specify the class or classes of activity in Table B.7.1, in accordance with the Third Schedule or Fourth Schedule to the Waste Management Acts 1996 to 2010, as amended by the European Communities (Waste Directive) Regulations, 2011, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P').

Attachment B.7 should identify the principle activity and include a brief technical description of each of the other activities specified. There can only be one principal activity.

TABLE B.7.1 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACTS 1996 TO 2010

| Waste Management Acts 1996 to 2010 | | | | | |
|---|--|-----|--|---|-----|
| Third Schedule Waste Disposal Operations | | Y/N | Fourth Schedule Waste Recovery Operations | | Y/N |
| D 1 | Deposit into or on to land (e.g. including landfill, etc.). | N | R 1 | <p>Use principally as a fuel or other means to generate energy: This includes incineration facilities dedicated to the processing of municipal solid waste only where their energy efficiency is equal to or above:</p> <ul style="list-style-type: none"> - 0.60 for installations in operation and permitted in accordance with applicable Community acts before 1 January 2009, - 0.65 for installations permitted after 31 December 2008, <p>using the following formula, applied in accordance with the reference document on Best Available Techniques for Waste Incineration: Energy efficiency = $(E_p - (E_f + E_i)) / (0.97 \times (E_w + E_f))$ where—</p> <p>'E_p' means annual energy produced as heat or electricity and is calculated with energy in the form of electricity being multiplied by 2.6 and heat produced for commercial use multiplied by 1.1(GJ/year),</p> <p>'E_f' means annual energy input to the system from fuels contributing to the production of steam (GJ/year),</p> <p>'E_w' means annual energy contained in the treated waste calculated using the net calorific value of the waste (GJ/year),</p> <p>'E_i' means annual energy imported excluding E_w and B_f(GJ/year),</p> <p>'0.97' is a factor accounting for energy losses due to bottom ash and radiation.</p> | N |
| D 2 | Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.). | N | R 2 | Solvent reclamation/regeneration. | N |
| D 3 | Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.). | N | R 3 | Recycling /reclamation of organic substances which are not used as solvents (including composting and other biological transformation | 7 |

WASTE Application Form

| | | | | | |
|------|--|---|------|--|---|
| | | | | processes), which includes gasification and pyrolysis using the components as chemicals. | |
| D 4 | Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.). | N | R 4 | Recycling/reclamation of metals and metal compounds. | N |
| D 5 | Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.). | N | R 5 | Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials. | N |
| D 6 | Release into a water body except seas/oceans. | N | R 6 | Regeneration of acids or bases. | N |
| D 7 | Release to seas/oceans including sea-bed insertion. | N | R 7 | Recovery of components used for pollution abatement. | N |
| D 8 | Biological treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12. | N | R 8 | Recovery of components from catalysts. | N |
| D 9 | Physico-chemical treatment not specified elsewhere in this Schedule which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcinations, etc.). | N | R 9 | Oil re-refining or other reuses of oil. | N |
| D 10 | Incineration on land. | N | R 10 | Land treatment resulting in benefit to agriculture or ecological improvement. | P |
| D 11 | Incineration at sea (this operation is prohibited by EU legislation and international conventions). | N | R 11 | Use of waste obtained from any of the operations numbered R 1 to R 10. | N |
| D 12 | Permanent storage (e.g. emplacement of containers in a mine, etc). | N | R 12 | Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11). | N |
| D 13 | Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12). | N | R 13 | Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced). | N |
| D 14 | Repackaging prior to submission to any of the operations numbered D 1 to D 13. | N | | | |
| D 15 | Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced). | N | | | |

SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

Provide an estimation of the quantity of waste likely to be handled in relation to each class of activity applied for. This information should be included in Table H.1(a).

TABLE H.1(A). QUANTITIES OF WASTE IN RELATION TO EACH CLASS OF ACTIVITY APPLIED FOR

| Waste Management Acts 1996 to 2010 3rd Schedule (Disposal) Operations | | Waste Management Acts 1996 to 2010 4th Schedule (Recovery) Operations | |
|--|----------------|--|----------------|
| Class of Activity Applied For | Quantity (tpa) | Class of Activity Applied For | Quantity (tpa) |
| Class D 1 | | Class R 1 | |
| Class D 2 | | Class R 2 | |
| Class D 3 | | Class R 3 | |
| Class D 4 | | Class R 4 | |
| Class D 5 | | Class R 5 | |
| Class D 6 | | Class R 6 | |
| Class D 7 | | Class R 7 | |
| Class D 8 | | Class R 8 | |
| Class D 9 | | Class R 9 | |
| Class D 10 | | Class R 10 | X ≈ 50,000 |
| Class D 11 | | Class R 11 | |
| Class D 12 | | Class R 12 | |
| Class D 13 | | Class R 13 | |
| Class D 14 | | | |
| Class D 15 | | | |

In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1**. The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided. For Landfill Review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.

TABLE H.1(B) ANNUAL QUANTITIES AND NATURE OF WASTE

| Year | Non-hazardous waste (tonnes per annum) | Hazardous waste (tonnes per annum) | Total annual quantity of waste (tonnes per annum) |
|------|--|------------------------------------|---|
| | | | |

Re: Regulation 7, 21A of EC (Waste Directive) Regulations 2011

The waste is recovered from building sites and used to raise the ground level on the site above the wet-bed level. The topsoil is recovered back onto filled site and it is readied for agricultural use.

The hierarchical location of this activity is *(b) preparing for reuse* – material is brought from the building site and reused in an overlaid fashion to raise the ground level for agricultural use.

Re: Regulation 14, 29 (2A) of EC (Waste Directive) Regulations 2011

The waste is produced in building sites. It is transported by licensed haulers to the site. The recovery option is carried on the site and by the licensed site operator.

For inspection purposes only.
Consent of copyright owner required for any other use.

Re: Non-Technical Summary

The information does not alter the Non-Technical Summary.