



This report has been cleared for submission to the Director by the Programme Manager. Paddy Nolan
Signed: Gráinne D'Esby Date: 11/6/06

LICENSING UNIT MEMORANDUM	
TO:	MS L BURKE
FROM:	J Derham
C.C:	P Nolan
DATE:	11-6-08
RE:	Dunmore Landfill, Kilkenny County Council. W0030-02

Dunmore landfill has been operating since 1989. Ten cells are completed and capped, cells 11 & 12 are in the process of being capped and cell 13 is nearly full.

Kilkenny Co Co have requested (letter received 22nd May 2008) that a condition of their licence (register W0030-02) restricting the nature of waste to be placed in the final Cell be amended.

Condition 1.5.3 of the current waste licence states the following:

Only commercial and industrial wastes, not including foodstuffs, may be deposited in Cell 14

Kilkenny Co Co (KCC) want this condition to be varied to allow general municipal wastes including wastes from households containing putrecible wastes (foodstuffs) as per the other cells in the facility. Cell 14 is being filled at a reduced rate due to the restriction in waste types. At current projection Cell 14 will take about 11 years to fill. The operators argue that their preferred approach is to accelerate the filling of Cell 14 with general municipal wastes which will result in the closure of the landfill by September 2009 and the earlier completion of full capping of the facility.

The putrecible waste licence condition restriction in relation to Cell 14 is explained in the Inspectors Report for the licence W0030-02. Up to six residences are within 200m of Cell 14 and the Inspectors Report suggests that in order to mitigate the potential for odour nuisance at these residences, the nature of the waste filling in Cell 14 should be restricted.

In support of their request to remove this restriction KCC set out a number of arguments and commitments:

1. Landfill gas management around the general facility is working effectively. Independent assessment of gas management at the site was undertaken by Odour Management Ireland (OMI) for the EPA. Landfill gas was detected at the working face only. Other recommendations regarding efficient operation of the gas extraction plant are being implemented by KCC. In addition KCC propose to provide additional specific measures for Cell 14 to mitigate landfill gas generation/migration (e.g. extended horizontal and vertical gas extraction, enhanced computerised management of gas extraction system, and use of an odour mitigation layer at working face such as stabilised compost). These measures are in excess of normal BAT practices for landfill.
2. Under commitments entered into in the Joint Waste Management Plan for the Southeast Region 2006-2011 a three bin system is to be introduced by KCC by 1st January 2009 for population centres >1000 persons. KCC are currently implementing the measures necessary to meet this deadline. As these actions take effect and bed in, the intake to the landfill should show a significant reduction – but not elimination – of the content of putrecible waste in the intake. It is this waste that is primarily responsible for working face gas emissions.

3. In the absence of the accelerated closure of Cell 14 with mixed municipal waste, the cell will remain active for 11 years, which significantly delays the final closure of this facility. Moreover the extended operation of this Cell will result in significant additional leachate production (as a result of being uncapped). KCC estimate this at 43,600 m³. In addition KCC argue that the gate revenues from the waste currently restricted to Cell 14 will not match the costs of keeping the facility open for the 11 years.

EPA OEE have liaised closely with EPA OCLR in relation to this Technical Amendment request and have also worked with KCC in relation to operational issues at the site. OEE have confirmed that they are satisfied with the proposed amendment and accept the overall benefits of the accelerated closure. Two odour complaints have been received in relation to the activity in the last two years.

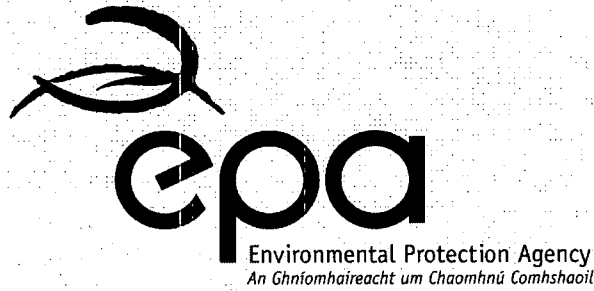
Recommendation

Having considered the arguments presented by the applicants, as well as the supporting statements of OEE, I am satisfied that the removal of the restriction to Cell 14 is in the best interest of the long term management of emissions and closure issues for this facility. I am further satisfied that the proposed change satisfies the criteria for use of the Technical Amendment process articulated in the Waste Management Acts (1996-2008), c.f. Section 42B, by facilitating the operation of the licence whilst not resulting in the relevant requirements of section 40(4) ceasing to be satisfied.

I recommend acceptance of the attached technical amendment (Technical Amendment B for Waste Licence Register W0030-02).



Dr J Derham



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Ireland

TECHNICAL AMENDMENT B
TO
WASTE LICENCE

Licence Register Number:	W0030-02
Licensee:	Kilkenny County Council
Location of Facility:	Dunmore Landfill, Dunmore, County Kilkenny

Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. W0030-02 granted on 10th May 2002 and amended 20th October 2005 (Amendment A), as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2008.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2008, the Agency amends Licence Reg. No. W0030-02, granted to Kilkenny County Council, at Dunmore Landfill, Dunmore, County Kilkenny.

Henceforth, Waste Licence Register No. W0030-02 shall be read in conjunction with Amendment A dated 20th October 2005 and the amendments set out below. This technical amendment shall be cited as Amendment B (in pursuance of Section 42B(1) of the Waste Management Acts 1996 to 2008) to that licence.

Amendments

Conditions of Licence

Amend condition 1.5.3 of the existing licence to read as follows:

1.5.3 Subject to paragraphs (i) and (ii) below, only waste that has been subject to adequate pre-treatment (including source separation) is permitted be accepted at the facility after 1st January 2009.

- (i) Treatment shall, as a minimum, reflect commitments in the Joint Waste Management Plan for the Southeast Region 2006-2011, as well as any EPA guidance as may be published.
- (ii) This requirement may, subject to the agreement of the Agency, not apply to:
 - inert wastes for which treatment is not technically feasible;
 - other waste for which such treatment does not contribute to the objectives of the Landfill Directive as set out in Article 1 of the Directive by reducing the quantity of the waste or the hazards to human health or the environment.

Amend condition 5 by addition of the following:

5.13 Unless otherwise agreed in writing by the Agency, the licensee shall implement the landfill engineering and operational measures specified in the Attachment (report by Fehily Timoney May 2008) to their Technical Amendment request received 22nd May 2008, and in the licensee's letter dated 9th May 2008 addressed to the EPA's Office of Environmental Enforcement.

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Sealed by the seal of the Agency on this the ~~xx~~ day of June 2008

**PRESENT when the seal of the Agency
was affixed hereto:**

Laura Burke, Director/Authorised Person

