

# MEMO

<b>TO:</b> Each Director	<b>FROM:</b> Ted Nealon
<b>CC:</b>	<b>DATE:</b> 08/11/00
<b>SUBJECT : Dundalk Landfill PD:</b>	

Attached is a drawing, Drawing No. 4606.01/D6, and a number of photographs. The drawing shows spot heights on the landfill at the time of application, February 1998. As can be seen there was an Area of Existing Infill with a height of some 11.00mOD. The landfill then sloped eastwards to an average height of some 5.00mOD. The bund on the eastern boundary of the facility was at a height of some 10.00mOD. The photographs show the current situation, as of a site visit of August 2000. Between 1998 and August 2000, the height of the landfill has been raised so that the upper surface is relatively flat, though still sloping to the east and is in the order of 1.0m below the top of the bund at the eastern end of the facility.

As stated in the Inspector's Report and in the Memo to the Directors from Brendan Wall dated November 2<sup>nd</sup>, it is recommended that the life of the facility be restricted to ensure early capping and the minimisation of leachate generation in order to minimise environmental pollution, comply with the principles of BATNEEC, and comply with the legal requirements to provide technical precautions to prevent groundwater pollution.

I have carried out some calculations, based on the available information, to determine a maximum level which would restrict landfilling at the facility; ensure that a suitable profile would be created to maximise run-off and further minimise leachate generation. I used a gradient of 1 in 25, the minimum recommended by the Agency's Landfill Manual on Landfill Restoration and Aftercare for sites that will experience differential settlement. At a maximum height of 14mOD a total void space for some 65,000 tonnes, capacity for more than two years disposal at current rates, would be available. I therefore recommend that the following condition be inserted in the PD to replace Conditions 8.1 and 8.2.

***The final profile of the landfill shall not exceed a maximum height of 14mOD. The final contours shall achieve an average gradient of 1:25. Within nine months of the date of grant of the licence, the licensee shall submit a revised Restoration Drawing to the Agency for its agreement. The drawing shall comply with the requirements of this condition.***