

Attachment H.5 Waste Recycling & Recovery

PANDA is part of the Panda Green Group, one of the largest waste management companies in Ireland. PANDA is committed to expanding its recycling and recovery business in order to reduce the amount of waste it sends to landfill, thereby meeting national targets on recycling and recovery, sustaining existing employment levels and creating new jobs at the facility.

A licence was granted in December 2008 to Dublin Waste to Energy Ltd (DWEL) authorising the acceptance of 600,000 tonnes non-hazardous construction, demolition, commercial, industrial and household wastes for incineration at the DWEL Poolbeg facility. At full capacity the plant will generate in the region of 120,000 tonnes of non-hazardous bottom ash annually.

The preferred option of is the recycling/recovery/disposal of the ash in Ireland. Currently the only approved recovery option for bottom ash in Ireland is use in engineering works in licensed non-hazardous landfills. In the short term (12 -24 months) there is also the potential for use as engineering materials at the IED licensed mines.

In the short to medium term it is proposed to send the ash to the Beauparc installation (W0140-04). DWEL has agreed a long term contract with PANDA to accept the non-recyclable fraction of the municipal solid waste it collects. The waste will be delivered in articulated trailers, which will then be used to transport the ash to Beauparc, where it will be processed internally to remove the metals. The removal of the metals is the only processing that will be carried out.

It is envisaged that it could take up to 18 months to demonstrate that the treated ash is suitable for use in construction works and the manufacture of products and to obtain approval for an end-of-waste protocol. During this period it is proposed to use some of the treated ash in engineering works in non-hazardous landfills and, subject to Agency approval, in the mines.

The proposed change to the PANDA facility is consistent with national and regional waste policy objectives, as it will permit the recovery of recyclable materials from the ash waste to get the maximum value from the waste and will contribute to the achievement and maintenance of national and regional recycling targets.