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South Dublin County Council

W0004-04

Ms. Ewa Babiarczyk,
Inspector,
Environmental Licensing Programme
Environmental Protection Agency,
EPA Headquarters,
PO Box 3000,
Johnstown Castle Estate,
Co. Wexford.

14 August 2009

ENVIRONMENTAL PROTECTION
AGENCY
17 AUG 2009

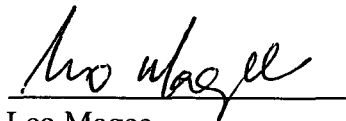
**RE: Notice under section 16 (3) (a) (i) of the Waste Management
(Licensing) Regulations 2004.**

**Submission by South Dublin County Council in respect of
Arthurstown Landfill (Waste License ref W0004-03).**

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Dear Ms Babiarczyk,

Further to the above notice dated 27 July 2009 please find enclosed the information requested regarding the total quantity of waste to be placed at Arthurstown landfill over the authorised lifetime of the facility.



Leo Magee,
Senior Engineer,
Environmental Services Department.

**Calculation of total quantity of waste to be placed at Arthurstown Landfill
(W0004-03) over the authorised life of the facility.**

The waste tonnages placed at Arthurstown landfill to date are as follows. The third column shows a projected tonnage for 2009 and 2010 also.

Period	Landfilled to date (tonnes)	Incl projections for 2009 & 2010
'97	34,411	34,411
'98	216,284	216,284
'99	271,079	271,079
'00	274,642	274,642
'01	334,333	334,333
'02	463,436	463,436
'03	483,582	483,582
'04	423,626	423,626
'05	497,400	497,400
'06	591,755	591,755
'07	480,529	480,529
'08	301,828	301,828
'09	130,959 to end July	215,000
Total	4,503,867	215,000
Total		4,933,867

The EIS submitted by this Council in 2004 under the review of waste licence W0004-02 stated in Section 1.8 that 1,594,182 tonnes of waste had been placed to the end of December 2002 at the facility. In Section 1.9 it estimated that a further 2,788,800 tonnes would be placed so as to achieve the final design contours (giving a projected total waste of 4,382,982 tonnes at that time). These figures were based on a waste density of 0.8 tonnes per cum.

The settlement which has occurred to date in the landfilled waste has exceeded the 25% which was predicted in the 2004 EIS, and this has given rise to a higher density of waste being achieved. It is expected that the 4,933,867 tonnes will be placed within the finished design contours, and that this will give rise to a waste density of 0.875 tonnes per cum (an increase of 9.5% over that originally expected). This means that at time of closure it is expected that 5,638,705 cubic metres of waste will have been placed.

Corrections to submission dated 20 July '09, made under waste licence review.

I wish to draw attention to an error in the table of waste tonnages given in the submission by this Council under the waste licence review. While the total waste placed to date of 4,465,000 tonnes at that time was correct, the tonnages included in tabular form for years 2001 and 2002 were not. These have been corrected above.

Secondly, the projection of 88,000 tonnes for 2010 included in the submission was underestimated and should have read 215,000 tonnes giving a closing date of December 2010.

**Calculation of total quantity of waste to be placed at Arthurstown Landfill
(W0004-03) over the authorised life of the facility.**

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