



Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Mr J.G. O'Sullivan
Senior Executive Engineer, Environment
Kerry County Council
Áras an Chontae
Rathass
Tralee
County Kerry

Regional Inspectorate, Inniscarra
County Cork, Ireland
Cigireacht Réigiúnach, Inis Cara
Contae Chorcaí, Éire

T +353 21 487 5540
F +353 21 487 5545
E info@epa.ie
W www.epa.ie

Lo Call: 1890 33 55 99

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Reg No: 217-1

Dear Mr O'Sullivan

With respect to waste licence application from Killarney Waste Disposal Limited, for a facility located at Killarney Waste Disposal Limited, Aughacurreen, Killarney and our letter dated 13 September 2005 (Section 52 of the Waste Management Acts, 1996 to 2003), please find attached additional information subsequently received by the Agency for your consideration.

Ms *Ann* Marie Donlon is dealing with this matter and can be contacted at the Licensing Unit, Office of Licensing & Guidance (Tel. No. 021 4875540), if you have any queries.

Your co-operation in this matter is appreciated.

Yours sincerely

Sonja Smith
Programme Officer
Licensing Unit
Office of Licensing & Guidance



Guardians of the Environment

Noise

The proposed trommel as well as the ballistic separator, baler and dryer will be used to process waste inside the MRF building, therefore reducing noise emissions.

Runoff from processing mixed municipal waste

Any effluent produced from processing the mixed municipal waste on the trommel will be collected in the effluent holding tank in the centre of the MRF building. The effluent will be sent to Killarney WwTP for treatment.

Odour

Refer to previous section on odour assessment on Page 6.

(ii) Impact of Effluent on WwTP

Appendix D provides details on the analysis of the effluent from the MRF building which is being sent to Killarney WwTP for treatment. However we recommend that the effluent is re-analysed as the results for BOD and COD are significantly higher than expected (compared to maximum BOD and COD concentrations for leachate referenced in the EPA Landfill Site Design Manual). In the meantime we have referenced the EPA Landfill Site Design Manual for BOD concentrations for leachate to assess the impact of this effluent on the WwTP and subsequently the environment.

Current plant loading averages 8,666 cu.m per day with an average BOD of 182 mg/l¹ (i.e. 1,577 kg BOD/day). This includes leachate loading from the current waste facility.

Performance compliance testing of the plant indicates that the plant is producing treated effluent well within the required standard. Annual averages of 5.7 mg/l BOD and 0.3 mg/l Total Phosphate have been recorded.

The additional leachate loading from the increased waste facility has been calculated as 11.23 cu.m/day. Using a maximum concentration of 68,000 mg/l BOD² a total maximum load of 763 Kg/day would be anticipated (with an average daily load of 380 Kg/day).

¹ Kerry County Council – Killarney WwTP records
EPA Landfill Manuals