



Environmental Protection Agency
An Ghníomhaireacht um Chaomhú Comhshaoil

Mr David Burke
HSE & Compliance Mnager
Enva
Smithstown Industrial Estate
Shannon
Co. Clare

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

27 October 2006

Reg No: W0041 -01

Dear Mr Burke

I refer to your letter of 04th October 2006 and the proposal to carry out a trial of an ammonium bifluoride recovery process at your facility.

As outlined in your letter the issue has been referred from the OEE as it was not considered that your licence could accommodate this process.

Having assessed the information supplied further details are necessary to determine if it can be carried out as a technical amendment to your existing licence or if it requires a full review of that licence.

The details required are as follows:

- Full characterisation of the waste including ammonium bifluoride content.
- Duration of the proposed trial
- Expected tonnages to be processed (maximum daily and total of trial)
- Storage facilities for the waste
- Duration of process and emissions – these may be different for the separate process steps
- The diagram provided shows an extraction hood ducted to the ammonium recycling process. Provide clear details of the abatement proposed at all stages of the process particularly as they relate to emissions potentially containing fluoride or ammonia based compounds.
- Stack height and diameter
- Maximum predicted volumetric flow rate
- Max. concentration (mg/m^3) and kg/hour discharge of relevant parameters particularly ammonia and fluorides. Achievable emission levels of ammonia from this type of process would be considered to be $30\text{mg}/\text{m}^3$ at a mass flow threshold of 150g/hour.
- Outline the emergency and accident response procedures that are proposed

If you require further information please contact the undersigned.

Yours sincerely,

Marie O'Connor
Office of Licensing & Guidance



Guardians of the Environment