



**OFFICE OF
LICENSING &
GUIDANCE**

MEMO RE: TECHNICAL AMENDMENT

TO:	Directors	
FROM:	Marie O'Connor	- LICENSING UNIT
DATE:	11 December 2006	
RE:	Shannon Environmental Services Limited, Reg W0041-01 - Technical Amendment B	

Application Details	
Location of activity:	Smithstown Industrial Estate, Shannon, Co. Clare
License issued:	05 May 2000
Technical Amendment A Issued	11 th October 2005
Request received	04 th October 2006
Request for additional Information	27 th October 2006
Additional Information received	09 th November 2006

Company

The OEE Inspector, Brendan Foley, received a letter from the company on 22 May 2006 requesting that they be allowed to carry out a Trial Process. This was not considered possible within the conditions of the existing licence and the company were referred to the Licensing Unit to determine if it required a review or a Technical Amendment.

Consideration of the TA Request

Shannon Environmental Services Limited (Reg W0041-01) amongst other companies have been acquired by Enva (formerly Atlas Environmental Ireland) and in July 2006 the Agency wrote to them outlining that if there is a change in the ownership of a company i.e. the legal entity that a Transfer of interest would be required to be completed. No application has been received to date for this site.

Shannon Environmental Services are licensed to carry out the chemical and physical processing of wastes for disposal and recovery. The Trial Process consists of a three month trial to assess the feasibility of a proposed treatment process for ammonium bifluoride. A maximum of 3 tonnes per day would be processed with a maximum of 50 tonnes in the three month period. The waste is an etching solution and consists of approximately 92% water, 8% ammonium bifluoride and trace levels of nitrates and phosphates. Lime is to be added to form a fluoride precipitate which is removed by

filtration. The ammonia liquor is to be directed to a stripping column and the gaseous ammonia is captured by the acid based scrubbers (2). It is proposed to continuously monitor for ammonia during the process. Aqueous emissions will be treated on-site and discharged to sewer in accordance with the existing requirements of the licence. The filtercake will be sent for disposal in accordance with the requirements of the licence.

Details of emissions and an assessment of the impact of those emission was provided. No significant environmental impact was indicated however a new emission point to air is proposed. It is considered that Section 42B(1)(c) allows for a limited Trial Process as a Technical Amendment. Following an evaluation of the trial results and should the licensee wish to continue to carry out the process on a commercial basis a review of the existing licence would be required.

Overall Recommendation

It is recommended that the Agency grant Technical Amendment B to the applicant as outlined in the draft TA attached and for the reasons outlined in this report.

Signed

Marie O'Connor