

**From:** akt sydney [mailto:sydney@akt-kix.com]  
**Sent:** Tuesday, 13 May 2008 8:55 AM  
**To:** Committee, ECA (SEN)  
**Subject:** Organic Waste stream management

Dear Sir/Mdm.

I wish to make a submission to the Senates Management of Australia's Waste Committee, based primarily on the attached report "The Dynamic Nitrogen Cycle"

The basis of this report is some 30 years of AKT's involvement in International waste processing and protein recovery together with recent R&D work conducted in the US with the ethanol manufacturing industries.

AKT have established some 250 plants around the world dealing with food waste stream recovery.

AKT in Australia have been and are associated with the CSIRO on their successful Rumen By Pass Bovine feed manufacturing.

AKT were the recipients of the Queensland Premier's first Export Award.

Essentially although the report is some 3 years old it attempts to bring together all the principal commercial and environmental facets of recovering nutrients before they are either locked away or they are destroyed.

With the advent of this era of severe international food shortages the paper is at the cutting edge of the conundrums faced by food processors and our society.

The report does make a series of recommendations and these are as follows;

- 1. Waste streams should be identified by those having nutrient recovery potential.**
- 2. There needs to be an Australian "State of available protein" report every five years.**
- 3. Directives and remedial action should emanate from that report.**
- 4. Managers of waste streams should then operate from guidelines developed from the studies.**
- 5. State and Commonwealth legislation dealing with the processing of kitchen and restaurant waste should be codified into a single National directive that takes into account the need to preserve proteins.**
- 6. A Reactive protein Credit market ( on the same basis as carbon credits ) needs be developed to underscore and protect this resource.**

**7. Health regulators must benchmark their need for high sterilization against the report and be cognizant of the results, issuing from these deliberations.**

**8. The energy cost of processing food waste needs to be identified, monitored and controlled.**

**9. The methods used for food waste stream disposal must be categorised and rated for efficacy.**

The information supplied is freely issued for the general benefit of our society and is not for the commercial benefit of AKT.

Regards

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