



## **Regional Waste Projects 2005-2007**

**Seafish has been involved in a number of projects on waste. This is a summary of the projects that are still ongoing or have been completed. Also included is an overview of the main areas of support and advice we have provided.**

### **On Going Projects**

1. As a result of Seafish intervention, South West Regional Development Agency has indicated that they may offer financial assistance to Interfish to develop a fishmeal processing line in Plymouth. The project is now on hold as the Interfish Project Manager has left the company.
2. Dumfries & Galloway Enterprise Company, Young's Bluecrest, Unik, West Coast Sea Products and Solway Fruit & Veg Ltd are investigating composting in the area. This includes the assessment of the most suitable equipment for the job and the business case for composting. Problems have been encountered because the partner companies are reluctant to take ownership of a composting facility. Biogonix (see below in Support & Advice) could provide a solution.
3. Business Environment North East and Seafish are in discussions with the Waste Manager of Aberdeenshire Council about setting aside one of the Council's underutilised compost facilities for the processing of fish waste.
4. A community waste recycling venture between Highland Council, Seafish and Summer Islands Foods in Achiltibuie Western Highlands has been set up. While quite small scale, this is now operating successfully.
5. A project to evaluate the potential opportunities for utilising shell waste for land based uses will run during 2006.
6. A project to determine cost-effective ways of treating crustacea shell, including any possibilities for recovering economically valuable product (e.g. chitin), is to be undertaken during 2006.

### **Completed Projects**

7. Plymouth Council and a cooperative of Plymouth processing companies established a refrigerated waste holding facility on Plymouth quayside. The unit has now been purchased and is being run by the processors. Sutton Harbour

Holdings have given a guarantee that they will not charge rental for the quayside space that the unit takes up for at least five years.

8. Western Waste Ltd, Penzance installed a shell cleaning machine to separate the organic waste from the shell thus allowing the clean shell to be used for land application. The company have overcome a number of environmental health issues and the unit is now operational.
9. A waste collection and transportation cooperative has been set up in Lowestoft allowing fin fish waste to be transported to Grimsby for fishmeal processing.
10. Investigation into the composting of whelk shell has been undertaken by TEG Environmental in Preston using whelk waste from AM Seafoods in Fleetwood. A report has been written and is available from Seafish.
11. With FIFG funding through Defra, AM Seafoods have installed an innovative shell cleaning machine to separate the gut and organic matter from whelk shell. The success of the process has received praise from E.U Commissioner Jo Borg and Ben Bradshaw MP who inspected the machine on a recent visit to Fleetwood.
12. Fin fish waste from Fleetwood is now collected by the Wyre Dock Management and transported to Grimsby for fish meal processing on a daily basis. The fin fish waste is now realizing a net profit of circa £15 per tonne.
13. Financial assistance has been given to Glycomar Ltd to investigate the viability of the extraction of Alkaline Phosphate from shellfish waste. Final report is available from Seafish
14. Work has been undertaken with Eco Diagnostics Ltd to investigate the efficacy of composting fish wastes as a suitable plant growth medium. Assessing both the beneficial fertiliser properties and the ability of the plants to combat a range of diseases. Final report is available fro Seafish.

### **Support & Advice**

15. A number of ABP compliant composting solutions are being investigated in the South West of England.
16. Working with Bioganix Ltd of Leominster on a new ABP compliant composting facility in Suffolk to take waste from East Anglia and SE England. They have plans to open a further three sites in the UK. Work has started in investigating Dumfries & Galloway as a suitable area for their next facility.
17. Glasgow Wholesale Market is trialling a 'HotRot' composting machine on the market. There is tentative interest in a similar facility in Manchester but they are awaiting the outcome of the Glasgow trials before making a decision.

18. A North East Scotland farmer has submitted a FIG application for an ABP compliant compost facility. This has now been approved.
19. SEERAD have awarded a FIG grant to AP Jess in Brechin for the setting up of a salmon waste composting facility thus setting a precedent in Scotland.
20. South Lanarkshire Council has granted Ali Tucker planning permission for an ABP compliant composting facility. The project is currently on hold due to a divergent interpretation of the rules by SEPA and the State Vet.
21. SEERAD have awarded a FIG grant to AP Jess in Brechin for the setting up of a salmon waste composting facility thus setting a precedent in Scotland.
22. A project in Yorkshire is investigating the benefits of adding shell waste to an existing composting process.