



Evaporator Barkip

Technical
Specification

•
Tender Writing

Client

SSE

Location

Beith, Scotland

Contract Value

£900K

Awarded

August 2010

Overview

Commission to manage the procurement process for an evaporator at Barkip AD Plant.

- **70% reduction** in volume
- Produces **20K tonnes** of concentrated digestate

Project Team

- Andrew Jenkins
- Harry Cripps
- Martin Gorevan
- HRS – Contractors

Project

Zebec was commissioned to write the specification for the equipment required; write the tender based on this specification; and evaluate the responses prior to awarding the contract to HRS Heat Exchangers.

Their Unicus two effect scraped-surface evaporator utilises waste heat from the Plant's boilers to reduce the volume of the digestate liquid fraction by 70%. This process produces 20,000t of double-concentrated fertiliser for export to farms; and 40k tonnes of clean, condensed evaporate that can be recycled or discharged to sewer.

Key Skills

- Project Management
- Technical Specification
- Digestate Management
- Procurement
- Risk Assessments
- PAS 110 Quality Output

“ Zebec worked closely with HRS to integrate a state of the art heat recovery solution, reducing energy and disposal costs whilst increasing the value of the concentrated digestate produced.”

