

BNFL Ion Exchange Effluent Plant

Customer: BNFL
Project: Site Ion Exchange Effluent Plant
Location: Sellafield
Date: 1985
Services: Engineering assistance, pre-handover and commissioning
Value: £4 million

Scope of Work

The Site Ion Exchange Effluent Plant (SIXEP) was required by BNFL to help reduce the levels of radioactivity in effluent discharges from Sellafield into the Irish Sea.

This was achieved primarily by using ion exchange technology.

Other equipment included sand filters, pH correction and various monitoring and storage tanks.

Feature

Aker Solutions was involved in the SIXEP project from its inception. Our various inputs included:

- Preliminary engineering
- Ventilation design
- Estimating/capital expenditure proposal
- Development work
- Planning
- Instrument design
- Inspection

However, Aker Solutions' principal association with SIXEP involved the pre-handover testing and commissioning of the plant, during which our dedicated team of multi-discipline engineers peaked at over 100.

