

Project Case Study

Client:	Scottish Sea Farms Ltd
Project Value:	£0.45m
Dates:	July 2014 – June 2015



Description:

This project delivered improvements to the drainage system and effluent treatment at an existing salmon hatchery at Couldoran, near Lochcarron.

Two septic tanks were removed, and an additional drum filter added to remove solid particles from the effluent. The resulting sludge is treated using new plant and equipment; polymer dosing and a belt thickener to achieve 15% dry solids, which is stored in a tank on site and removed by tanker every 3-4 weeks.

Tank outlet drainage was replaced by new pipework across the entire site, most of the yard was resurfaced, and in addition a new biosecurity changing cabin was installed at the site entrance.

Scope of Works:

Managing all aspects of the construction phase including health and safety, site supervision, co-ordination between contractors and procurement of the civil engineering works required to connect the new plant and equipment.

Feasibility studies and cost estimates were also undertaken to replace existing kerosene boilers used for heating the process water with a new biomass installation, to upgrade the incoming mains power supply, and to replace all perimeter fencing, however these works were not progressed.

Design of reinforced concrete chambers and channels, structural steel and cladding, and pipework were also undertaken.

Key Points

Phasing of the works to maintain drainage of effluent during the construction phase to maintain production.

Logistical challenges involved in working in a rural, remote location.

Co-ordination of civils, mechanical, electrical and process works to deliver efficiency in construction.