



NEWS RELEASE

Peacemaker Odour Control System solves Problem for Salmon Fish Processor

Testimonial

"Since commissioning in November 2000, the OCS Peacemaker filter-scrubber system has exceeded our expectations," says Roy. "We have all but eliminated smell complaints from the day it was commissioned."

Contact

For further information, please contact:
Mr Naylor - 01244 536700

Hydro Seafood GSP Limited on Loch Creran, is one of Scotland's leading suppliers of fresh Atlantic salmon to food retailers and processors throughout Europe.

Loch Creran is a proposed special area of conservation so in order to meet tight SEPA conditions for discharging wastewater back into the Loch from the site's waste water treatment plant, all treated water must be sterilized in accordance with SERAD best practices. This generates a sludge, which is treated then held in three holding tanks before being transported off site for land injection.

These sludge storage/consolidation tanks were the source of objectional smells which when carried on prevailing winds resulted in complaints from local residents and over time these become more regular and vocal. Recognising their responsibilities under ISO 14001 environmental management system. Roy Jamieson of Hydro Seafood entered these into the external communications log and investigated the odour abatement methods currently available.

The only practical options to control the smells seemed to be by acid scrubbing or activated cartridge filters but Roy thought that neither offered an ideal solution. "I was uneasy about the environmental, health and safety implications of using acids and the running costs of carbon filters were prohibitive," he said.

Looking round for other alternatives, Roy contacted specialists Odour Control Systems Ltd. (OCS). He knew that the company was an approved supplier to UK Water Companies and that their odour treatment systems were being used successfully at sewage treatment plants, landfill sites and processing plants throughout the UK. He also knew that OCS had the resources and expertise to provide a full turnkey service including system design, manufacture, civils, commissioning and maintenance.

Following a site survey and an analysis of the gases emitted from the sludge storage tanks; OCS recommended that the smell sources be tackled by fitting a 'Peacemaker' filter-scrubber system.

Interconnecting ductwork and an air extraction fan create a partial vacuum to the covered odour sources, drawing foul air to the Peacemaker filter-scrubber. Available in five standard sizes, the Peacemaker is of a modular design and comprises: a foul air inlet chamber; lower air diffusion plate and an upper odour polishing media chamber.

Foul air is drawn into the inlet chamber and diffused via the lower diffuser which maximises its distribution across and through the dry impregnated media granules held in the odour oxidising chamber.

The impregnate is chlorine dioxide, which is stabilised within the media. This powerful oxidising agent rapidly oxidises most of the odorous compounds found in off-gasses from sludge tanks. (e.g. sulphides to sulphates, mercaptans to sulphonates and sulphonic acids and amines to carboxylic acids). Products of reaction are odourless and environmentally sound.

From the lower oxidising chamber, air is drawn into the upper polishing chamber which contains adsorptive media, which further removes any remaining odorous compounds. Independent tests have proved that the Peacemaker will effectively remove 100% hydrogen sulphide and mercaptan compounds even at very high loadings.

Peacemaker collect and treat systems are entirely manufactured in-house at Odour Control Systems, Hawarden and Doncaster factories and with over 250 units successfully operating throughout the UK, they are now recognised as the preferred method of odour control. Media life and system performance are both guaranteed for a contracted period resulting in a genuine 'fit and forget' system.

In conclusion, Roy is delighted. "Since commissioning in November 2000, the OCS Peacemaker filter-scrubber system has exceeded our expectations and we have all but eliminated smell complaints from the day it was commissioned."

preserving the environment

Odour Control Systems Ltd
33a Castle Close, Manor Lane
Hawarden Industrial Park
Hawarden, Flintshire CH5 3QX

Phone: +44 (0)1244 536700
Fax: +44 (0)1244 535184
E-mail: mail@odourcontrolsystems.ltd.uk
Web: www.odourcontrolsystems.ltd.uk

