

Aeration and IFAS

Seaton Carew STW - Hartlepool



Scope of services

- Replace FBDA and install IFAS system
- Design
- Manufacture
- Installation
- Commission

Scope of delivery

- Remove existing FBDA
- Replace air header pipework, associated valves and droppers
- Install 135 Aquaconsult Aerostrip Q3.5-EU and 5 Q1.5-EU diffusers into each of the 4 x ASP lanes
- On-site erection of 'flat-packed' IFAS cages
- Install IFAS cage guides and cages

Specifics

- All IFAS cages and pipework of Grade 304 stainless steel
- 4 x ASP lanes - 4 cages per lane - total 16 cages
- 11,280 sq. metres of Biotextil curtains
- Increases biomass under aeration by 23%

Technical data

- Upgrading of existing activated-sludge plant to treat a greater load
- Population Equivalent 250,000
- Maximum flow of 82,080 cubic metres per day

Client

Interserve on behalf of Northumbrian Water

Completion

April 2016
