

Aeration and IFAS

Finham STW - Coventry



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 8,712 Jetflex® tube diffusers - 726 per lane
- 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
- 3 x ASPs, 4 x lanes per ASP, 12 lanes in total - 14 cages per lane - total 168 cages
- 197,000 sq. metres of Biotextil curtains
- Increases biomass under aeration by 33%

Technical data

- Uprating of existing activated-sludge plant to treat a greater load to a higher standard
- Discharge permit 3 mg/l Ammonia (from March 2020)
- Population Equivalent 490,000 (2028 Design Horizon)
- Maximum flow of 266,087 cubic metres/d

Client
CiM6 on behalf of
Severn Trent Water

Completion
July 2019