

Aeration and IFAS

Goscote STW



Scope of services

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

Scope of delivery

- Remove existing FBDA
- Replace air header pipework, associated valves and droppers
- Install 3,792 Jetflex® tube diffusers - 632 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
- 6 x ASP lanes - 17 cages per lane - total 102 cages
- 74,000 sq. metres of Biotextil curtains
- Increases biomass under aeration by 50%

Technical data

- Uprating of existing activated-sludge plant to treat a greater load to a higher standard
- Discharge permit 1.3 mg/l Ammonia (from March 2020)
- Population Equivalent 133,553 (2028 Design Horizon)
- Maximum flow of 62,127 cubic metres/d

Client
MMB on behalf of Severn Trent

Completion
September 2019