

Case Study

Pateshill Water Treatment Works

Client:

Scottish Water

Specialist Subcontractor:

Colloide

Location:

West Lothian,
Scotland

Project:

Chemical Dosing,
Bridge Scrapers and
Rapid Gravity Filters



Colloide were contracted to upgrade this existing treatment plant. The plant produces up to 40MLD and uses conventional treatment, i.e. chemical dosing at the front end of the plant followed by clarification (4no. circular clarifiers) and sand filtration (6no. rapid gravity filters).

One of the major constraints on this project was that the existing plant had to be kept running at practically all time



Project Deliverables

The main components of the system

- Provision of 5no. Intelligent Control Panels.
- Provide new ALBA dosing system.
- Upgrade of Lime dosing system.
- Provide new poly dosing system
- Provide new incoming switchboard and bring upgraded power supply into this board. NB This included temporary power using generators when this work was being completed.
- Upgrade the existing rapid gravity filters.
- Upgrade the existing clarifiers.
- Change and upgrade various instrumentation around site.
- Provide new SCADA system and link all new and existing plant into the new system.
- Provide new cabling to all new equipment.
- Civil works associated with above items.
- Health and Safety improvements around site.
- Removal of all redundant equipment

