

Hepscott STW Storm Upgrade

Project Summary

Retroflo were engaged directly by **Northumbrian Water Group** as Principal Designer and Principal Contractor to increase **Hepscott STW** storm tank capacity in line with EA Permit 226/1281. The project included the installation of a new storm tank with automatic emptying and mixing, updated instrumentation, and full mechanical and electrical works. The upgrade provides a minimum storm storage volume of 35.5 m³ and ensures effective monitoring and control of storm flows.

Scope of Works

Retroflo provided a full end-to-end service, including:

- Supply and installation of MCERT inlet flow measuring flume
- Design, supply and installation of storm returns pump and tank mixer
- Design, supply and installation of new control panel and kiosk
- Design, supply and installation of wash water booster set with header
- Below-ground pipework, reinstatement and landscaping
- Full mechanical and electrical design and installation
- Project management and coordination of civils sub-contractor
- NICEIC 18th Edition testing, commissioning and documentation

Results

- ✓ Increased tank capacity to 35.5 m³ for compliant storm flow management
- ✓ Integrated monitoring and control systems for efficient operations
- ✓ Full mechanical and electrical installation with NICEIC certification
- ✓ CCM-managed turnkey delivery completed on time with minimal disruption



Why Choose Retroflo?

With extensive experience in the water industry, Retroflo is a trusted delivery partner for complex electrical, mechanical and ICA upgrades. Our integrated approach ensures every component, from pumps to PLCs, is designed, installed and commissioned for long-term reliability and performance.

Project Details

Client

Northumbrian Water Group

Project Value

£430,000

Project Highlights

Increased Storm Tank Capacity

The upgrade at Hepscott STW met EA Permit 226/1281, and provided a minimum storm storage volume of 35.5 m³.

Advanced Monitoring & Control

The project included a new control panel and kiosk, MCERT inlet flow measuring flume, storm returns pump, tank mixer, and wash water booster set with header.

Comprehensive M&E Delivery

Full M&E design, installation, and commissioning, including NICEIC 18th Edition testing and certification.

Turnkey Project Management

The CCM-managed contract ensured seamless project delivery.

Need Help With a Water Infrastructure Project?

Contact us today to discuss how Retroflo can support your next upgrade.

Retroflo Ltd

Tel: 0191 526 9830

Email: info@retroflo.com

Website: www.retroflo.com