



**Scottish
Water**

**Development
Centre
Waste Water**

Bo'ness

Waste Water Research and Test Facility

Innovation is vital to meeting the challenges faced by the waste water industry both now and in the future.

Research companies and academia have a pivotal role to play in shaping the future of the waste water sector.

Our Waste Water Development Centre offers innovators a unique opportunity to meet these challenges head on. By facilitating access to a live demonstration site, we enable companies to research

and test new and innovative products, equipment and technologies on an operational scale.

As the only facility of its kind in Scotland, innovators can conduct trials under live conditions in the comfort of a safe, dedicated and low risk environment.

We also offer the opportunity for companies to showcase and demonstrate innovations to Scottish Water, helping to accelerate the adoption of new technologies within the wider UK water industry.



Our Waste Water Development Centre is Scotland's first full-scale test facility dedicated to supporting research and innovation in the waste water sector.

Located on a live, operational treatment works, the centre enables innovators to demonstrate new processes and equipment in a dedicated environment.

The centre benefits from a small-scale waste water treatment test rig, enabling greater flexibility and scenario testing, as well as a screening area to facilitate testing at the inlet to the works.

As our facility carries a Waste Management Licence, suppliers also have the flexibility to bring in waste from alternative industrial streams to test on non-domestic sewage.

All discharges are returned back into the normal treatment process giving companies unique access to live test conditions without risk to operational assets.

Supported by specialist technical expertise and access to UKAS accredited sampling and analysis services, the centre can be hired out at bespoke commercial rates.

What's included?

- Health and safety assessments before trials begin
- Environmental licences for operating trial units
- Bespoke insurance for equipment*
- Support with funding applications
- Project supervision and access to skilled operators
- Specialist guidance and support
- Modern welfare facilities and a laboratory area

Additional services

- UKAS accredited sampling and analysis
- Access to a small-scale waste water treatment test rig
- Additional operator support

Test areas

Our centre has three test bays, each with live feeds at different stages in the

* Terms and Conditions apply

treatment process namely, post screening, post primary treatment and final effluent. Other features of the centre include:

- Screening test area
- Small-scale waste water treatment test rig
- Drainage discharge points
- Compressed air
- Power supply 240v, 110v, 400v

Waste water quality

An indication of waste water entering the centre:

Chemical Oxygen Demand	820mg/l max – 52mg/l min
Total Suspended Solids	171mg/l max – 19mg/l min
Biochemical Oxygen Demand	109mg/l max - 7.4mg/l min
Ammonia	27.24mg/l max - 3.97mg/l min
Alkalinity	400mg/l max – 180mg/l min

Waste water flow

- Maximum of 13,510 m3 per day
- Minimum of 5,271 m3 per day
- Average of 10,800 m3 per day

Find us

Our Waste Water Development Centre is located in Bo'ness, Falkirk.

From Edinburgh (M9) – 20 miles

From Glasgow (M80) – 35 miles

Waste Water Development Centre
Carriden Industrial Estate
Bo'ness, EH51 9NZ

Contact us

To find out how we can help you or to arrange a site visit, please get in touch:

Email:

SWDevelopmentCentres@scottishwater.co.uk

Visit:

www.scottishwaterhorizons.co.uk