



**Scottish
Water**

**Development
Centre
Waste Water**

Your guide to our Waste Water Development Centre

Our purpose-built Waste Water Development Centre in Bo'ness provides users with unique access to facilitate research and development of innovative technologies on an operational scale.

New equipment, processes and technologies can now be tested under live conditions in a safe and dedicated testing environment.

A managed service, users can tap into specialist Scottish Water support including UKAS accredited sampling and analysis services.

The only facility of its kind in Scotland, users can also benefit from real-time hands-on collaboration between businesses, academia and Scottish Water, encouraging new opportunities and knowledge sharing.



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

Located on an operational treatment works, the centre enables users to access live feeds from different stages in the treatment process, namely, post screening, post primary treatment and final effluent.

The centre also benefits from a dedicated area to enable testing of waste water screening technologies at the inlet to the works as well as access to a small-scale sequencing batch reactor.

As the facility carries a Waste Management Licence, users can import waste from alternative industrial waste streams for testing on non-domestic sewage, providing a flexible and dynamic environment.

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

Operated by our commercial subsidiary, Scottish Water Horizons, the centre offers modern welfare facilities, a laboratory area and site security.

What's included

- Health and safety evaluations before trials begin
- Project supervision and operator support
- Support with funding applications
- Environmental licences for operating trial units
- Insurance for equipment from installation to demobilisation (T&Cs apply)

Additional services

- Additional resource from our skilled operators
- UKAS accredited sampling and analysis services
- Access to a sequencing batch reactor test rig

Access to our Development Centre

To find out how our Waste Water Development Centre can help you, contact Rebecca Skuce, Project Manager:

Tel: **07483 143 439**

Email: swdevelopmentcentres@scottishwater.co.uk

Visit: scottishwater.co.uk/developmentcentres

Waste water quality

An indication of the waste water entering the site is outlined below.

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

Flow entering the site

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

Test areas

The centre has three test bays, each benefiting from dedicated feeds of waste water: post screening, post primary treatment and final effluent.

The centre also offers:

- Drainage discharge points
- Compressed air
- Power supply 240v, 110v, 400v
- Screening test area
- Sequencing batch reactor test rig.

Location

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

