

Following the failure of an existing cast iron desludging bellmouth within a section of the process at Snarrows Wastewater Treatment Works (WwTW), IBS was tasked to design and manufacture a replacement unit.



A hydrostatic telescopic bellmouth would usually be fixed directly to desludging pipework via a flanged connection, however, on this occasion, no such flanged connection was available as the existing bellmouth was cast into the chamber floor in this part of the sewage works.

The IBS solution was to take its own standard bellmouth design and develop a special gland plate connection, allowing the new bellmouth to be fixed directly to the concrete floor of the chamber, spanning the existing pipework connection.

A replacement multi-turn actuator was supplied to suit the newly installed unit, the actuator being selected to be a direct replacement for the original electric drive. This delivered a significant cost and time saving by avoiding unnecessary electrical

and control modifications to the existing systems.

This innovative approach, using a special gland plate design, enabled the installation to be carried out without the need for costly and time-consuming civil modifications to the chamber.

This approach not only saved the client money, but also ensured that the project was completed on time without major disruption to the process operations.

Sector:
Water/Wastewater Treatment

Client:
Severn Trent Water

Location:
Snarrows WwTW

Main Contractor:
Lindhurst Engineering
(for NMCN)

Product/s:
Hydrostatic Bellmouths

Size:
150NB