

**Press Release**  
**November 23<sup>rd</sup> 2020**

## **Flexseal solution for green energy plant tank**

***A Flexseal solution has helped Yorkshire Water in its bid to supply greener energy and reduce its carbon footprint.***

To help meet 'green' targets, the water company contracted the build of a Thermal Hydrolysis Plant in Esholt, Bradford. Contractors were required to build a sewer storage tank on the site with a 1200mm access door.

The door was constructed from a wooden frame with concrete poured around it and the frame removed once set; leaving an annular gap for a 1200mm flanged pipe to be installed, which would form the access door.

Next, the pipe needed attaching to the tank, provide a watertight seal and be centralised within the hole. This was achieved by using a Flexseal Ring Seal to fill the void between the outside of the pipe and the internal surface of the tank's hole. This type of seal not only provides a permanent seal, but also provides structural support for the stainless steel pipe.

The Ring Seal is made up of small individual links that when all linked together, create a circular seal. Each link is made from an EPDM moulded rubber, stainless steel squeezing plates housed in plastic casings, held together with high strength bolts. When the bolts are tightened the rubber expands outward uniformly, creating a pressurised seal.



Flexseal provided the seal made to order, ensuring installation was as quick and efficient as possible. The contractors had no experience in fitting Ring Seals; however, installation was complete in less than 1 hour.

### **Ends**

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