

Engineering Specialist Services – Assessment of plant

Assessment and inspection of atmospheric storage tanks

We are able to assist customers to comply with legislation concerning the bulk storage of liquids in tanks by performing in-service inspection and assessment.

What does the service include?

- Assessment of existing storage facilities to establish whether design and installation complies with current standards and guidelines.
- Gap analysis to indicate where improvement actions are required.
- Written schemes of inspection if required.
- Periodic inspection of the storage installation and providing inspection reports.

Who does it affect and why?

Catastrophic failure of an atmospheric storage tank is a comparatively rare and unlikely event. However leakage of the contents due to deterioration is more common and could lead to breaches in control of pollution legislation or other legislation relating to the hazardous nature of the contents e.g. COSHH¹ or DSEAR².

PUWER³ 1998 also changed the definition of work equipment to include these installations. In addition the Health and Safety Executive take the view that atmospheric storage tanks come under PUWER. As well as setting requirements on suitability, operation, training and maintenance the regulations also give specific requirements for inspection. Inspections would certainly be appropriate where risks could arise

through gradual deterioration of the installation over time.

Our approach

The first step in the process would be an initial site visit to gather data, including information on design and construction from which we would plan an appropriate inspection regime. Arrangements would then be made to conduct a thorough inspection and issue a report giving the results of our inspection, including any recommendations for improvement. Once the inspection regime has been established the items can be added to your existing inspection policy schedule.

We have a long established expertise in the examination of vessels and tanks. This enables us to identify problem areas and propose the best means of inspection for a particular installation. Independent inspection of your storage tanks will help to demonstrate to enforcing authorities you are complying with the law.

Linked services include assessment and inspection of oil storage tanks and facilities.

**For more information
contact us on**

0121 698 5888

**or visit
[www.zurich.co.uk
/engineering](http://www.zurich.co.uk/engineering)**

¹ COSHH - The Control of Substances Hazardous to Health Regulations

² DSEAR - Dangerous Substances and Explosive Atmospheres Regulations

³ PUWER - Provision and Use of work Equipment Regulations