



WHY CHOOSE A BLAKE GROUP FUEL STORAGE TANK?

Blake Group were the first oil tank manufacturer in the UK to produce OFTEC Certified fuel storage tanks and today remain one of the few companies producing tanks certified to OFS T-200 Standard. To comply with OFS T-200, Blake's have designed and developed the TEBU^(TM) (Totally Enclosed Bunded Unit) concept, which is Certified by OFTEC.

Only an OFTEC Certified, OFS T-200 tank can ensure compliance for steel storage tanks, satisfying the relevant legal requirements for above ground oil storage in England, Scotland, Wales and Northern Ireland. OFTEC Certification protects you and your business from the legal and financial implications of ground and water contamination.

Blake Group's trade-marked TEBUs (Totally Enclosed Bunded Units) are OFTEC Certified (OFS T-200) to guarantee full compliance with all UK Legislation.

Expert knowledge from the Blake Group

Blake Group is one of the UK's pre-eminent steel storage tank manufacturers and a leading advocate within the engineering & steel manufacturing industry. The firm spearheads industry delegations shaping policy at senior level and is a member of Oil Firing Technical Institute for the Petroleum Industry (OFTEC), the Energy Institute (formerly Institute of Petroleum) (EI), Association for Petroleum and Explosives Administration (APEA) and the British Standards Institute (BSI).

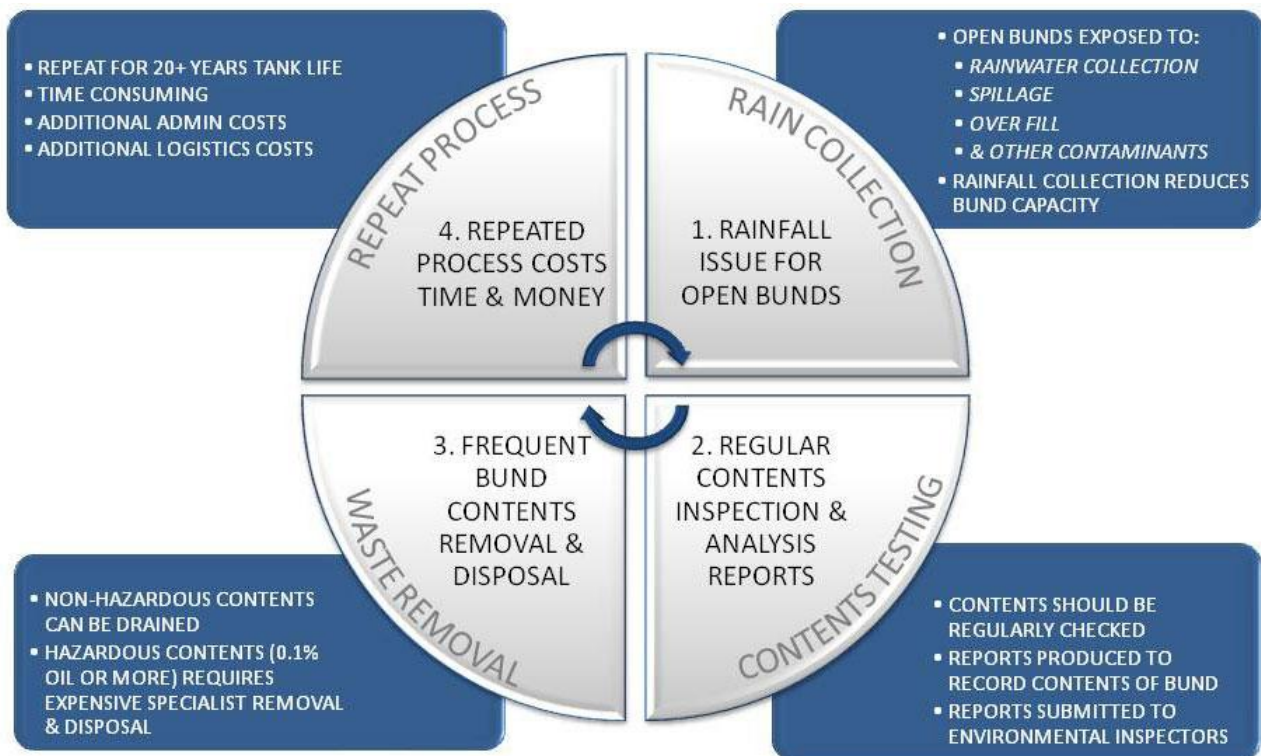
As expert witnesses, the firm has acted as lead consultants to the Government, DEFRA, OFTEC and the BSI on oil storage regulations. We work closely with the Environment Agency (EA), Scottish Environmental Protection Agency (SEPA) and Northern Ireland Environment Agency (NIEA) to educate industry on "Best Practice" procedures in the storage of oil.

Following the publication of the Control of Pollution Regulations (Oil Storage) (England) 2001, Blake Group successfully led an industry consortium consisting of major oil companies, the UK's automotive industry and leading generator companies, to both the Department for Environment, Food & Rural Affairs (DEFRA) and the Environment Agency (EA) reviewing the implications of the Regulations and how these impacted on industry. The representations made by Blake Group highlighted industry concerns and resulted in clarification on various key issues covered by the Environment Agency in their FAQ's on the Regulations.

Representing the Energy Institute (EI), MD Ronnie Blake sat on British Standards RHE13 Committee, which in April 2010 reviewed BS799 Part5. Additionally, Blake Group played an integral part producing Water Industry Mechanical & Electrical Specifications (WIMES), a key water industry specification model.

The Problem with Open Bund Tanks

There are a number of problems with open bund tanks, most notably relating to cost, maintenance and exposure to legal liability. These are highlighted below:



The relevant Legislation and Guidance for above ground steel oil tanks is as follows:

- EA/SEPA/NIEA Guidelines – Pollution Prevention Guidelines (PPG2) August 2011
- The Water Environment (Oil Storage) (Scotland) Regulations 2006
- The Water Resources (Control of Pollution) (Silage, Slurry and Agricultural Fuel Oil) Regulations (England) 2010
- The Water Resources (Control of Pollution) (Silage, Slurry and Agricultural Fuel Oil) Regulations (Wales) 2010
- The Water Resources (Control of Pollution) (Silage, Slurry and Agricultural Fuel Oil) Regulations (Northern Ireland) 2003
- The Building Regulations (Scotland) 2013
- The Building Regulations (England & Wales) 2010
- The Building Regulations (Northern Ireland) 2014

(Note: The Scottish Agricultural Regulations have been combined with the Scottish Water Environment Regulations 2006)

The Environment Agency, Scottish Environmental Protection Agency and Northern Ireland Environment Agency Guidelines (Pollution Prevention Guidelines PPG 2, August 2011)

The EA, SEPA and NIEA Pollution Prevention Guidelines - PPG2 , August 2011, provide the principal guidance for above ground oil storage and support the recommendation to manufacture tanks to OFTEC OFS T-200. Below are a few notes within PPG2 to consider when purchasing and installing a new above ground steel oil storage tank:

"Page 8, Section 6. A). Manufacturing and Quality Standards, "There are recognised British Standard and trade association standards for different types of tanks ...manufactured to OFTEC Standards OFS T-100 (plastic tanks) and OFS T-200 (steel tanks) respectively, meet these requirements."

Although many tank suppliers state that their tanks are built to OFTEC OFS T-200 standards, they may not carry the correct Certification. Any tank supplier selling a Certified OFS T-200 tank has to provide a copy of the official OFTEC Tank Certification. Ensure your tank comes with the correct OFTEC Certification to ensure "Best Practice".

Page 18, Section 11). Looking After Your Tank

Para.4: "To make sure a constructed bund retains its integrity, ...repair any defects in the bund wall or lining promptly."

One of the most common faults for legislative non-compliance with steel oil tanks, is incorrect use of a bund or secondary containment. A brick or concrete wall will not comply, as it is permeable and will require to be lined with an epoxy lining or alternative. The contents of the bund must be closely inspected and regularly tested for pollution. Should the content become contaminated it should be disposed of appropriately in line with waste management legislation.

Para.7: "Removing rain water. If you have a tank in an open bund, check the bund after heavy rainfall. If there is no rain water it might not be sealed properly ... you need to contact us (EA/SEPA/NIEA) for advice on where you can dispose of the discharge."

Para.8: "In the long term, it may be more cost effective to construct a roof over the tank and secondary containment."

OFTEC OFS T-200 tanks incorporate integral-bunding, removing the need for either a roof over the tank or separate bund. Both construction costs and regular maintenance for such housing can be costly, so Blake Group recommend OFS T-200 tanks for efficient compliance with legislation and reduced costs.

Para.9: "Water taken out of the bund might be contaminated. Any accumulated water, oil or debris should be removed and disposed of in line with waste management legislation...as the waste producer you are obliged under Duty of Care to describe the waste accurately and dispose of it properly."

Para.10: "In England, Wales and Northern Ireland, waste contaminated with oil is classed as hazardous waste unless you can show there is under 0.1% oil."

Para.11: "In Scotland, waste contaminated with oil is classed as special waste unless you can show there is under 0.1% oil...there may still be other hazards that make waste special, such as flammability or toxicity, or the presence of other contaminants."

Installing an integrally-bundled OFTEC OFS T-200 Certified tank, removes the requirement for the secondary containment bund. Benefits of integrally-bundled OFS T-200 Certified tanks include environmental, financial and mobility factors.

Blake Group TEBU (OFTEC OFS T-200) The Benefits:

- OFTEC Standard OFS T-200 is the **ONLY** UK Standard for bunded steel tank design.
- All OFS T-200 tanks require to be sold with OFTEC Certification to ensure compliance.
- OFS T-200 integrally-bunded steel tanks will not have an open bund therefore no rainwater collection, no pollution testing on bund contents and no risk of contamination.
- Cleaning and contamination testing of open bunds is costly and inconvenient with regular removal of bund contents and rainwater required.
- Should pollution occur from a single skin tank into a bund, the cleanup costs, legal liabilities, damage to reputation and financial implications can be devastating to a business.
- Integrally-bunded steel tanks are mobile units which unlike concrete bunds, are an asset to move should your business relocate.

Contact Us

Please contact us on **0131 554 1646** or email on info.blakegroup.co.uk to discuss your fuel storage requirements and how Blake Group can provide a fully compliant, cost efficient solution to your business's particular needs.

Please register for our monthly newsletter by emailing webteam@blakegroup.co.uk

TEBU (Totally Enclosed Bunded Unit) steel storage tanks are Trade Marked by the Blake Group.

Remember most manufacturers cannot provide OFTEC Certification guaranteeing OFS T-200 Compliance so speak to us!