

Storage Procedure (Materials, chemicals and oils)



PURPOSE

1. The purpose of this procedure is to detail the delivery, handling and storage of oils and chemicals. Correct storage of oil and chemicals is important to ensure compliance with environmental legislation and to reduce the risk of environmental spillage.

2. GOVERNMENT GUIDANCE

<https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures>

3. RESPONSIBILITIES

The QHSE/Compliance Manager is responsible for implementing this procedure.

4. METHOD

Ensuring good storage to prevent pollution

A large proportion of environmental incidents occur because of incorrect delivery of oils and chemicals.

To minimise risk, these stops should be followed where practical.

Set up a designated area for re-fueling, decanting and delivery

These designated areas should be positioned away from water systems and the ground should have an impermeable surface

When delivering, decanting and re-fueling is occurring these actions should be supervised and/or operated by a competent person/s

Spill Kits should be in appropriate areas and available during delivery, decanting and refueling

Drain covers can be placed prior to delivery of oil and fuel as a precautionary measure

5. OIL STORAGE

Secondary containment of an oil storage tank:

All tanks must be placed within a secondary containment system such as a bund. All the tanks valves and fittings must be placed inside the bund

The Environment Agency have published a diagram for the correct set up of an oil storage tank with secondary equipment which is shown in Appendix 1

The secondary containment system must provide for at least 110% of the tank's maximum capacity

If more than one container is stored in the bund, the bund must be able to store 110% of the largest container in the bund, or 25% of all the tanks' capacity – whichever is larger.

6. MOBILE BOWSERS

For mobile bowzers, any pipes or valves must be fitted with a lock and locked when not in use

7. CHEMICALS

Like oil, chemicals can also cause a pollution incident if not handled correctly. In most cases, environmental spillages and incidents can be prevented if proper storage measures are taken. Appendix Two is an Environment Agency diagram of various storage options.

8. Storage

Chemicals that must be stored outdoors should be stored in the yard and the area will have an impermeable surface and/or with secondary containment and securely closed

Stored chemicals should be separated and organised based on similar physical and chemical properties, acids with acids, bases with bases.

The storage container should have sufficient strength and integrity to ensure that it is unlikely to burst or leak during everyday activities

9. Waste Oil

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Waste oil is a hazardous waste and should be stored to prevent escape into the environment. It is recommended that the same storage requirements for unused oil should also be used for waste oil.

Oily water waste

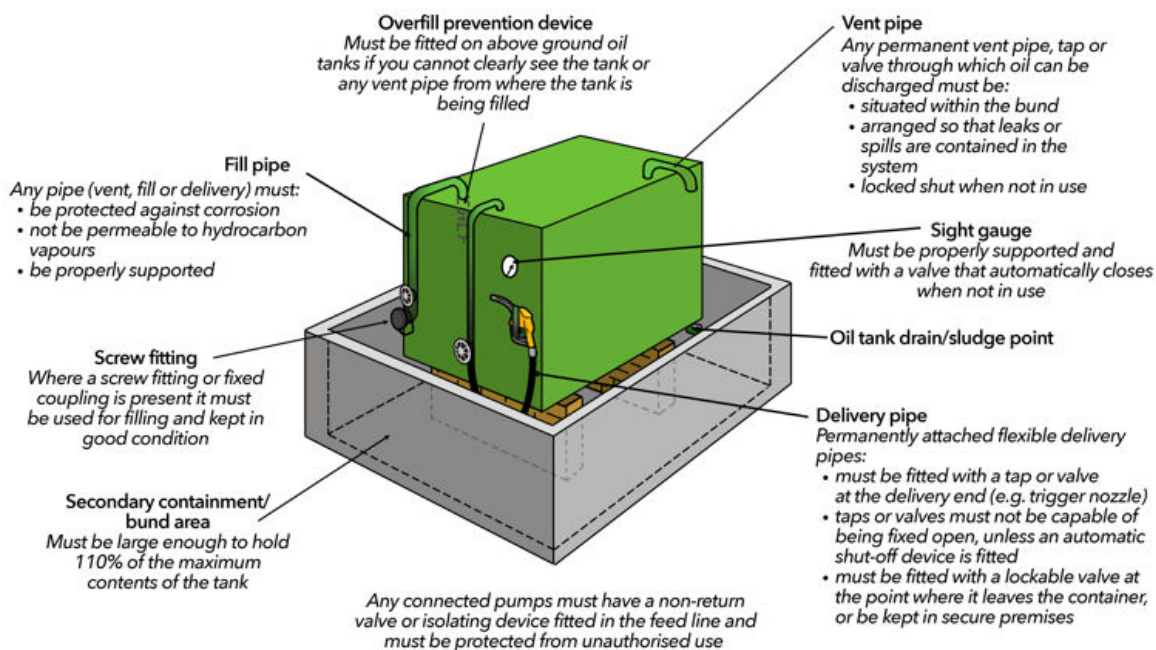
Water contaminated with oil is hazardous waste and unless the concentration of oil is very low, it may need to be classified as hazardous. A specialist contractor will need to be utilised

10. REACH

REACH (**R**egistration, **E**valuation, **A**uthorisation & restriction of **C**hemicals) is a piece of legislation that regulates chemicals manufactured or imported into the EU over one tonne a year. Universal Sealants is known as a downstream user of chemicals. To comply with the regulations, Universal Sealants must ensure that chemicals are used only in the matter expected. If Universal Sealants is using a chemical in a novel way, then they must notify the supplier of that chemical as the supplier will have to register that use with the European Chemicals Agency (ECHA) in Helsinki, Finland. Refer to REACH factsheet 4 for users of chemicals for more information.

Oil and chemical storage areas should be adequately protected against vandalism and intruders.

11. Appendix 1



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