污染预防指导方针

地面油储罐：PPG2

这些指南是英国环境署、北爱尔兰环境署和苏格兰环境保护署（简称 WE 或 US）提供的。污染预防指南（PPG）基于相关立法和当前良好实践。遵守指南将帮助您管理您的环境责任，防止污染并遵守法律。

遵守这些指南将帮助您遵守《控制污染（储油）（英格兰）条例 2001 年》（OSR 英格兰）和《水环境（储油）（苏格兰）条例 2006 年》。

如果您造成污染或允许其发生，您可能会犯下刑事犯罪。

您可以在这些指南的末尾找到我们的联系信息。

此文件根据《管理指南的实践准则》2008 年版编纂，（见第 15 节）。

1. 引言

这些指南将帮助您安全地管理您的地面储油罐，并尽量减少造成污染的风险。这是为储油罐业主和用户提供的良好实践建议，但也可以为他人提供帮助。我们尽量避免过多的技术信息；如果您需要更详细的信息，我们会在指南中引用。

污染预防原则适用于所有地面储油，但这些指南是为家庭和小型或中型商业储油而特别编写。我们将遵循您在英格兰、苏格兰和威尔士的法律。

指南包括：
- 新建或更换储油罐
- 符合现有储油罐的法律要求
- 当前良好实践。

有关其他类型存储的信息和指导，请参见第 14 节的参考文献 1 至 5：
- 地下油储罐
- 鼓
- 中间批量容器
- 大型工业储油罐
- 储油场
- 前台油存储
- 储油用于加油。

对于前庭油存储，仅适合于合格的有能力为危险场所工作的合格承包商应安装或执行维护您的储油罐。对于精炼厂和分销仓库的指导，请参阅能源研究所的联络详情，详情见第 15 节。
2. Background

Oil is among the most common pollutants in the UK. Cleaning up oil spills can be difficult and expensive. Dealing with a spill will cause you and maybe your neighbours a great deal of inconvenience. Make sure you have insurance cover, not just to replace the lost oil. Your policy should include:

- environmental clean up for accidental oil loss;
- a high enough liability limit to cover you if neighbouring land and/or boreholes are affected;
- the costs of cleaning up oil on your own property.

By following these guidelines you will reduce the risk of pollution caused by the poor storage of oil in above ground tank installations, poorly maintained tanks and unsuitable filling practices.

3. Legal background

In England and Wales, it is against the law to cause water pollution and there are specific regulations that may apply to your oil storage tank. Non compliance with these regulations is an offence and may result in enforcement action being taken against you.

In Scotland, the storage of oil is regulated by the Water Environment (Oil Storage) (Scotland) Regulations 2006, (OSR Scotland), as detailed below. Where oil storage results in pollution of the water environment, this may constitute an offence under the Water Environment (Controlled Activities) (Scotland) Regulations 2005, as amended. Non compliance with these regulations may result in enforcement action being taken against you.

a) Control of Pollution (Oil Storage) Regulations

In England, above ground oil storage is regulated by the Control of Pollution (Oil Storage) (England) Regulations 2001, (OSR England). Oils covered by these regulations include petrol, diesel, vegetable, synthetic and mineral oils. They apply to most industrial, commercial and institutional sites storing oil in containers over 200 litres and to private dwellings with containers storing more than 3,500 litres. The Environment Agency is responsible for enforcing these regulations throughout England and may serve an Anti Pollution Works notice requiring inadequate facilities to be brought up to standard. Answers to a number of frequently asked questions are available on our web site at www.environment-agency.gov.uk/osr

In Scotland, oil storage is regulated by the Water Environment (Oil Storage) (Scotland) regulations 2006 (OSR Scotland). These regulations apply to any kind of oil including petrol, diesel, mineral oil, heating oil, lubricating oil, waste oil, vegetable and plant oil but don’t include uncut bitumen. They apply to the storage of any volume of oil, with more prescriptive requirements applying to industrial, commercial and institutional sites storing oil in containers of 200 litres and over and to private dwellings with containers storing more than 2,500 litres of oil. The Scottish Environment Protection Agency (SEPA), is responsible for enforcing these regulations throughout Scotland and may serve an Enforcement Notice requiring inadequate facilities to be brought up to standard.

Throughout this guidance we've highlighted text indicating areas that must be complied with under both the English and Scottish oil storage regulations. There are tables covering what you must do where these regulations differ. Where the term 'must' is used, this refers to your legal requirement under the OSR England or OSR Scotland where they apply (see References 6 and 7).

<table>
<thead>
<tr>
<th>OSR England applies to:</th>
<th>OSR Scotland applies to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Above ground oil storage in containers over 200 litres.</td>
<td>Portable containers of less than 200 litres*.</td>
</tr>
<tr>
<td>Private domestic oil tanks over 3,500 litres.</td>
<td>Above ground oil storage in containers of 200 litres or more.</td>
</tr>
<tr>
<td></td>
<td>Domestic oil tanks over 2500 litres.</td>
</tr>
<tr>
<td></td>
<td>Waste oil storage - see PPG8, Reference 8.</td>
</tr>
<tr>
<td></td>
<td>Oil stored on farms - see Reference 9.</td>
</tr>
<tr>
<td></td>
<td>Oil stored in buildings - see Section 6.</td>
</tr>
</tbody>
</table>
* In Scotland any oil storage container must be strong enough not to leak in ordinary use. Portable containers with a storage capacity under 200 litres don’t have to comply with the more prescriptive requirements of the OSR Scotland, such as secondary containment, which apply to the remainder of the list in the table.

The differences in implementation timescales between OSR England and OSR Scotland are:

<table>
<thead>
<tr>
<th>OSR England - exemptions</th>
<th>OSR Scotland - exemptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste mineral oil storage - see Reference 8.</td>
<td>Oil stored in accordance with PPC Part A permits.</td>
</tr>
<tr>
<td>Oil stored on farms for agricultural heat and power - see Reference 9.</td>
<td>Oil distribution depots for onward distribution to other places.</td>
</tr>
<tr>
<td>Oil stored in buildings. Follow good practice recommendations.</td>
<td>Oil stored wholly underground, unless it's in a building.</td>
</tr>
<tr>
<td>Oil stored wholly underground. Premises used for refining oil. Premises used for the onward distribution of oil to other places.</td>
<td></td>
</tr>
</tbody>
</table>

Appendix A contains a checklist to help you decide whether improvements are needed to your oil storage system to comply with the OSR in England and Scotland. You must consider the timescales for the Regulations to decide when your oil storage must comply.

Similar regulations will be introduced in Northern Ireland and may follow in Wales. You can contact us for more advice.

b) Building Regulations
Oil tanks connected to fixed combustion appliances, like central heating boilers and cookers, need to comply with the building regulations that apply in England, Northern Ireland, Scotland or Wales (Reference 10). These regulations include requirements for both environmental protection and fire safety. If you’re having a new or replacement oil tank fitted or having your tank altered, you should check with your local authority (usually your local council) to see how these Regulations apply to your oil storage tank, or you can have the tank installed by a member of a professional scheme (see Section 15).

Even if your oil tank isn’t covered by any of the Regulations above, following these guidelines is good practice and will minimise the risk of your oil causing pollution. In some sensitive locations, we may ask for more stringent environment protection measures than are described here.

4. Deciding where to put your tank

You should think about environmental and fire protection, access, maintenance and security requirements before deciding where to put a new or replacement oil storage tank.

Avoid high risk locations
We recommend that you don’t store oil in high risk locations; these are:

- within 50 metres of a spring, well or borehole;
- within 10 metres of a watercourse;
- places where spilt oil could enter open drains, loose fitting manhole covers or soak into the ground where it could pollute groundwater;
- places where a spill could run over hard ground to enter a watercourse or soak into the ground where it could pollute groundwater;
- places where tank vent pipe outlets can’t be seen from the filling point;
- above roof level as spilt oil can run down guttering which is connected to surface water systems.
Oil spilt in these locations will pollute surface waters and groundwaters. If these locations are unavoidable then check with us before you arrange for a new tank to be installed, as we may require additional environmental protection, e.g. overfill prevention device or oil separator on the surface water drainage system.

We recommend at all sites that you have secondary containment for your oil storage tanks wherever you put them, even if it’s not required by OSR or Building Regulations, (see Section 5c).

You should or, if OSR applies must, ensure that steps are taken, to minimise the risk of damage to the secondary containment system by impact or collision.

You should consider access for maintenance and deliveries to the tank (filling). Check with your local oil delivery company before making the final decision on where to place a tank. They need to take into account pollution prevention and health and safety aspects of filling your tank. This includes where they can safely park the oil tanker, where the delivery pipes will run and access to the tank. They will also be able to give advice relating to height of the fill point above ground and delivery pipe sizing.

Avoid storing oil in areas at risk from flooding
Containers may float in a flood which could cause pipelines to break and oil to be spilled. If there’s no alternative, consider raising tanks above predicted flood water levels as long as this doesn’t compromise the tank integrity, safe delivery and handling of your oil. You could also secure your tank so it can’t lift as water rises around it. Contact a competent installer, (see Section 15) for advice on securing your tank. Contact us to check if your tank is in an area at risk from flooding. In England, Scotland and Wales you can check our websites for flood maps, which provide details of flood risk areas.

5. Oil storage tanks

Before choosing a new or replacement tank, you should check the following:

- if there are any legal requirements you must comply with;
- that it meets minimum manufacturing standards;
- the type of tank is suited to your requirements.

Also consider the:

- type of oil to be stored
- need for secondary containment
- location of the tank
- safe filling and dispensing
- safe installation and routine maintenance
- intended use.

If you’re replacing a tank you’ll also have to consider what to do with your old one.

a) Manufacturing and Quality Standards

There are recognised British Standard and trade association tank standards for different types of tank. Your tank manufacturer, supplier or installer should advise you on the minimum design and manufacturing standards under the appropriate accredited quality assurance scheme. It should comply with BS EN ISO 9001 (Reference 11). Plastic and steel tanks and tank systems manufactured to OFTEC Standards, OFS T100 and OFS T200 respectively, meet these requirements.

Please note that compliance with standards for construction and manufacture doesn’t guarantee compliance with OSR. Other aspects such as pipework, location and deliveries, also affect OSR compliance.

Choose a tank that:

- is expected to last at least 20 years, with proper maintenance, before it needs to be replaced;
- is made of a material that is suitable for the type of oil stored;
- is of sufficient strength and structural integrity to ensure that it won’t burst or leak in ordinary use;
- has a way of preventing drain down by gravity e.g. top off-take and / or isolating check valves.

Check the recommended maintenance needed for your tank with the manufacturer.
b) Types of oil storage tank
There are a number of different types of oil storage tanks available. Above ground oil tanks are usually made from steel or polyethylene (plastic). They can be single skinned, double skinned or have a built in bund (integrimly bunded) as a complete containment system.

Single skinned tanks are tanks made from one layer of steel or plastic. Single skinned tanks must be put into a secondary containment system, often referred to as a bund.

Double skinned tanks have two layers of steel or plastic with a very small space between them; any ancillary equipment is positioned outside the second skin. The space between the two layers is not enough to contain 110% of the oil your tank can hold. If you choose a double skinned tank, it will not be compliant with the OSR England or OSR Scotland unless it's installed in a constructed secondary containment system.

Integrally bunded tanks have a primary container manufactured with integral secondary containment (see Section 5c and Figure 2) that can hold a minimum of 110% of the volume of oil the inner tank is designed for (Reference 12). Ancillary equipment will also be positioned within the secondary containment.

Figure 1. shows a diagrammatic example of a single skinned oil tank in an open bund that is constructed in situ. The diagram shows both fixed and flexible draw-off pipes. For tanks in open bunds, we recommend there is a minimum distance of 750 mm between the tank and the bund wall and 600 mm between the tank and the base to allow access for external inspection and maintenance.

Figure 1. Example of a single skinned oil tank within an open bund
Figures 1 and 2 aren’t drawn to scale or engineering drawings. They are for illustration only. Different configurations exist depending on the manufacturer, type of tank and installation.

c) Secondary Containment (also known as bunds)
Secondary containment is an area around a tank and its ancillary equipment designed to contain any loss of oil and to prevent it from escaping to the environment. It can be manufactured as part of an integrally bunded tank system or built on site ready for the tank to be put into it. Your tank may need to have secondary containment by law depending on where it is and what it’s used for. But to protect the environment we recommend you should bund all tanks as it is good environmental practice.

Secondary containment must hold at least 110% of the volume of oil the tank is designed to contain.

The extra 10% margin is intended to take into account a range of factors, including:
- loss of the total tank contents, for example due to vandalism or an accident;
- sudden tank failure or leaks;
- overfilling;
- containment of fire-fighting agents;
- dynamic factors such as overtopping caused by surge and wave action following tank failure;
- an allowance for rainfall during an oil spill incident.

If you have more than one oil storage tank in the system, the secondary containment must be capable of storing 110% of the biggest tank’s capacity or 25% of the total capacity, whichever is the greater.

Secondary containment must be impermeable to oil and water with no direct outlet:
- connecting it to any drain, sewer or watercourse;
- discharging onto a yard or unmade ground.
Ideally, any pipework to fill or empty your tank shouldn’t pass through the secondary containment floor or walls (the bund). If this is unavoidable, the joint between pipe and bund should be sealed with a material that is resistant to attack by the oil stored, so that the containment remains leak-proof.

Don’t store anything in the secondary containment as this will reduce the volume available in the event of a spill and can cause a fire risk if it becomes soaked in oil.

For agricultural oil storage in England, Northern Ireland and Wales it is a legal requirement that bunds are expected to remain impermeable, with proper maintenance, for at least 20 years, (see Reference 9).

If you’re considering an integrally bunded tank system, check with the manufacturer to make sure that it is designed to provide at least 110% secondary containment capacity. Some tank systems may not provide enough capacity if your tank is overfilled. Be aware that it isn’t easy to see into the secondary containment section of an integrally bunded tank. We recommend your tank is fitted with an overfill prevention device and secondary containment sensors that detect if oil has collected in the bund from an incorrect delivery, overfill or inner tank problem and to warn you if additional maintenance is needed.

6. Installing tanks

You should have your tank installed by a suitably-qualified tank installer who’s registered with a professional scheme for the type of tank you’re having installed. They will make sure that tanks are installed according to the relevant standards and good practice. Professional schemes are run by a number of organisations (see Section 15 for more details).

Tanks should be sited on an appropriately designed and constructed base or support with sufficient room around it to protect the tank from fire in the surrounding area, see BS 5410 (Reference 13). Check what you need for your tank with the tank manufacturer or competent installer.

To prevent pollution, the delivery and dispensing area around your tank should have an impermeable surface and be isolated from surface water drainage systems.

Make sure you keep the manufacturers and installers information for your tank. Leave all the markings and stickers on your tank when it’s installed. These include tank manufacturer, make, model and capacity markings. Many oil tanks come supplied with an Oil Care Campaign tank sticker that gives information about what to do if you have an oil spill. It may be a legal requirement for your tank to have this. If your tank doesn’t have an Oil Care Campaign tank sticker, you can get one from us. If you have more than one tank, label all your tanks and their fill points clearly, with the type of product stored and tank capacity.

You should protect your oil storage tank from the risk of fire. Building Regulations (Reference 10) allow for fire protection by using approved distance between the tank and surrounding structures or by a physical fire protection barrier. Don’t store any materials close to your tank or in the secondary containment.

Tanks within buildings – in Scotland these must comply with OSR Scotland. In England and Wales follow all good practice recommendations to prevent pollution. Building Regulations are likely to apply.

For tanks in constructed secondary containment

If your tank is being installed in a constructed bund, the bund should be built using reinforced materials, with no damp-proof course and rendered impermeable to oil. There are detailed specifications and drawings available for constructed bunds using concrete and masonry (References 14, 15 and 16). These will make sure your masonry or concrete bunds are constructed to be oil tight and fit for purpose.

Your bund should be designed to reduce the risk of oil escaping beyond the containment area if your tank developed a hole (known as jetting).

To reduce the chance of this happening:

• keep the tank as low as possible within the bund;
• increase the height of the bund walls;
• leave space between the tank and bund walls;
• don’t put one tank above another.
A constructed bund should also have a sump fitted into the base so you can remove rainwater for safe and legal disposal, (see Figure 1).

The Construction Industry Research and Information Association (CIRIA) suggests in locations with high rainfall, 110% capacity in an open bund may not be enough to provide protection from loss of oil (see Reference 14). They give an alternative method to calculate the size of secondary containment needed for tanks in open bunds in locations with high rainfall. The method for calculating bund capacity depends on the risk of polluting water. If you’re in any doubt about the sensitivity of a site, consult us.

7. Ancillary equipment

These are the fittings and pipework that all tanks will have, e.g. a vent pipe, but others may be needed according to the tank type, location or use.

For example:
- a heating oil tank may have a fixed draw off pipe;
- a tank used for refuelling may have a pump and flexible hose to deliver oil;
- a tank with a remote fill point or in a sensitive location may have an overfill prevention device.

Ancillary equipment, e.g. valves, filters, sight gauges, vent pipes, must be within the secondary containment system so any discharges of oil are retained.

Many of these fittings are shown in Figures 1 and 2 above and are discussed below.

An oil tank user guide ‘Get to know your oil tank’, might also be useful to you, Reference 17.

a) Measuring tank contents
You need to be able to measure how much oil is left in your tank so you can order the right amount when your tank needs refilling and to monitor how fast you use your oil. There are many products available to measure tank contents including electronic, float and hydrostatic gauges, sight or visual gauges and dip sticks. Some are read at the tank others remotely. Ask the tank manufacturer or a qualified competent tank installer for advice on a suitable system for your tank. If storing flammable liquids (as classed by Health and Safety Executive (HSE)), your gauge should be safe for use with the product you store.

Sight gauges:
- must be located in the secondary containment;
- must be properly supported so it can’t come loose;
- must be fitted with a valve that closes automatically when the gauge isn’t in use;
  - valves should never be kept open;
  - valves should only be opened when taking contents’ readings.

Delivery drivers should close sight gauge valves at the end of their delivery. After your tank has been filled, check that the sight gauge is shut and isn’t leaking. Sight gauge tubes aren’t suitable for use with integrally bunded oil tanks.

Dipstick - only use it in the tank for which it is intended.

b) Pipework
All pipework should be:
- made of a material suitable for use with the oil you’re storing;
- supported so it’s secure and can’t come loose;
- positioned or protected to minimise the chances of damage by impact or collision;
- protected against corrosion;
- where appropriate, insulated to prevent freezing up and frost damage.

Vent pipe
This allows oil vapour and air to escape from the tank when it is being filled and allows air in when fuel is being drawn off.
We recommend that tanks (including those in buildings) are installed so that vent pipes can be easily seen during deliveries; and that the vent pipes are within and discharge into the secondary containment system.

Legal requirements:

<table>
<thead>
<tr>
<th>OSR England</th>
<th>OSR Scotland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vent pipes must be arranged so that any discharge is directed vertically downwards into the bund.</td>
<td>Vent pipes (including those on tanks within buildings) must be within the secondary containment system.</td>
</tr>
<tr>
<td>The tank must be fitted with an automatic overfill protection device, if the filling operation is controlled from a place where it is not reasonably practicable to see the tank and any vent pipe.</td>
<td>The tank must be fitted with an automatic overfill protection device (which may include an alarm sounding device) if the filling operation is controlled from a place where it is not reasonably practical to observe the tank or any vent pipe.</td>
</tr>
</tbody>
</table>

Fill point

The fill point is where the tanker delivery pipework connects to fill the tank. There are different arrangements depending on tank type, size and location.

Coupling - If your tank fill point has a serviceable screw fitting or other fixed coupling, it must be used when filling the tank. The fill point should have a lockable fill cap with a chain and be marked clearly with the product type, tank capacity and, where appropriate, tank number. The cap should be replaced to the pipe after each delivery to protect it from damage and unauthorised use.

Position – we recommend your fill point should be at the tank and within the secondary containment system (OSR England only) or in a suitable cabinet with a drip tray to catch any oil spilled during deliveries. Where your fill point is outside the secondary containment system, a drip tray must be used to catch any oil spilled during deliveries.

Fill point drip trays should be:

- clean, free from water and other debris before each use;
- large enough to hold all the oil that could be lost when the fill point shut off valve has been closed and the delivery hose is disconnected;
- able to be moved without risk of spilling the oil - we recommend your drip tray holds at least 3 litres, but it may need to be larger;
- checked after each delivery and if necessary safely emptied before being put away; we recommend you ask your oil delivery company to do this for you;
- kept somewhere safe where they can't collect rain water when not in use.

Remote fill - if there's no alternative and you have to have a fill point which isn't near the tank (or it isn’t practical to see the tank and vent pipe), a remote fill point will be needed. Your registered, competent tank installer (see Section 15) can advise you about standards required for remote fill points. If you have a remote filling point and the vent pipe can't be seen during delivery you must have an overfill prevention device.

Shut-off valves should be fitted to extended fill pipes because they can retain oil after the delivery.

If you have more than one tank - provide separate fill pipes for each tank, unless they’re connected by a balance pipe with a greater flow capacity than the fill pipe. Each fill pipe should have its own fill point shut off valve, and be marked with its corresponding tank/compartment number, volume and type of oil.

Pipework to take oil from your tank (draw-off or supply pipe)

The general points above apply. Whenever possible, site supply pipework above ground to make it easier to inspect and repair. We recommend using tanks that have top outlet off take pipes; and that feed lines should have anti siphon and isolating valves to prevent the tank contents draining down because of leaks, damage, theft or vandalism.

Use pumped dispensing from oil storage tanks for refuelling to reduce the chance of oil spills. If you can't avoid gravity dispensing then tanks should be properly supported and installed. Suitable secondary containment for
the tank and its ancillary equipment should be designed to reduce the chance of oil ‘jetting’ from the high tank in the event of an overfill or damage.

Consider the risk to the user from working at height (to fill, inspect, maintain and draw-off), suitable ladders, railings and other health and safety equipment may be necessary.

Filters or isolating valves used to protect the draw-off pipe or downstream equipment in a gravity-feed system aren’t considered ancillary to the container. Where practicable, locate this equipment within the secondary containment system. We recommend that valves should be lockable or have removable hand wheels.

Flexible delivery pipes
These should only be used where you need to move the end delivery point, for example when fuelling vehicles. Fit the pipe with a tap or valve at the delivery end, which closes automatically when not in use; we recommend you use a trigger nozzle designed to dispense oil. Where the pipe isn’t fitted with an automatic shut-off device, it mustn’t be possible to fix the tap or valve in the open position. The pipe must either:
- have a lockable valve where it leaves the tank which is locked when not in use and be kept in the secondary containment; or
- must be in an enclosed secure cabinet which is locked shut when not in use and has a drip tray.

Dispensing pumps should be:
- positioned to minimise the risk of damage by collision;
- fitted with a valve in its feed line that prevents the tank contents emptying if there’s damage to the pump or feed line;
- protected from unauthorised use.

Pumps are not ancillary to the oil tank. You should ensure any oil that could leak from a pump is contained either by a bund or drip tray. Pumps for oil with a flash point below 55°C should never be within the secondary containment system because of the risk of explosion. If your pump is within the secondary containment, check it’s positioned above the 110% containment level so it can’t become submerged.

Underground pipework
These should be avoided where possible as they can’t easily be checked for damage or leaks and have a greater risk of causing pollution. You should only use underground pipe work where you can’t fit pipes above ground. If you do have them we recommend they should:
- be double skinned pipes
- be within concrete ducting
- have as few joints as possible
- be marked clearly on site plans and when possible on the ground.

Underground pipework must also be protected against corrosion and from physical damage like that caused by excessive surface loading, ground movement or ground disturbance. If mechanical joints have to be used, they must be readily accessible for inspection under a hatch or cover.

You must have adequate facilities for detecting leaks from underground pipework. If you use a continuous leak detection device, it should be maintained and tested regularly (in Scotland at least every 5 years). Keep a record of the test results and any maintenance work completed.

If you don’t have a continuous leak detection system you must test:
- pipework before use
- pipework with mechanical joints every five years
- all other pipe work at least every ten years.

These are minimum requirements and it’s good practice to do this more frequently.

c) Overfill prevention devices
We recommend the use of overfill prevention devices to safeguard against spills. These can be electronic or mechanical which either sound an alarm and/or give a visual warning or automatically stop the oil delivery into the tank. They may be a legal requirement depending on tank location, fill point and vent pipe arrangements.
8. Safe deliveries to your tank

All your tanks should be labelled with the capacity and type of oil they contain and should be individually numbered to help identify them.

Before you order an oil delivery:
- check how much oil is in the tank,
- work out the spare capacity
- decide how much oil you need but make sure you don’t over order.

Supervise all deliveries. Ensure that whoever is supervising the delivery knows about the tank, its equipment and what to do if there’s a spill. If you have more than one tank, make sure the correct tank is being filled. The Federation of Petroleum Suppliers (FPS) produces information on safe deliveries. For additional information, see Section 15.

If your tank is filled from a place where it is not practicable to see the tank and any vent pipe, it may need to have a remote fill point fitted. Where a tank has a remote filling point and the vent pipe can’t be seen during the filling operation you must have an automatic overfill prevention device fitted to your tank. We don’t recommend remote filling points unless there isn’t an alternative. Your registered, competent tank installer, (see Section 15) can advise you about standards required for remote fill points.

If your tank has a serviceable screw fitting or other fixed coupling, it must be used when filling the tank. Your fill point should have a lockable fill cap with a chain and be marked clearly with the product type, tank capacity and, where appropriate, tank number. Make sure the cap is replaced to the pipe after each delivery to protect it from damage and unauthorised use, (see Section 7b for more information on fill points).

Dealing with spillages
The area around your tank where deliveries are made and, if applicable, oil is dispensed should have an impermeable surface and be isolated from surface water drainage systems. This will prevent oil and/or contaminated water getting into the soil and groundwater. If any oil is spilt during an oil delivery, you should make sure that it can’t run into a surface water drainage system.

You should consider if you need a suitably sized oil separator to direct oily liquid away from surface waters and prevent oil escaping from your site. This will reduce the risk of any spilt oil causing pollution if there’s a spill. Also check with us to see if environmental sensitivities in your local area mean drainage from this area should pass through an oil separator of an approved design (see PPG 3: Reference 18).

9. Check legal compliance for your existing tanks

There may be legal requirements that your existing tank (including home heating tanks) need to comply with for the OSR England, OSR Scotland or Building Regulations. The checklist in Appendix A will help you check your tank for most OSR England and OSR Scotland requirements.

a) Secondary containment capacity
Make sure your secondary containment has the capacity to take at least 110% of the volume your oil tank can hold.

For integrally bunded tanks, you can contact the tank manufacturer with the model of your tank; this information should be on your tank somewhere. They should be able to confirm the secondary containment capacity.

For single or double skinned tanks within a constructed secondary containment system, you can calculate the bund volume yourself. You can take account of any volume taken up by tank supports within the bund and consider the volume taken up by any of the primary tank, pipework or pumps. Advice on calculating bund capacity is given in Appendix B.
10. Looking after your tank

The oil tank user guide ‘Get to know your oil tank’, Reference 17, contains simplified guidance on looking after your tank. Make sure you have a copy as it includes space for you to record essential information about your tank including when it’s last annual check was.

Maintenance

Your tank manufacturer will be able to tell you what regular maintenance your tank needs. Use a registered competent technician to check your tanks, secondary containment and pipework every year and remove any condensation water that has accumulated within the tank. You should receive a written report on the state of your tank after the inspection is completed. Any repairs or alterations detailed in the report should be done by a registered, competent technician straightaway.

You should also inspect all accessible parts of your tank, secondary containment, ancillary equipment and pipework regularly, for signs of damage or leaks. If you’re unsure how frequently you should do this, contact us for advice. If you notice any damage, you should have it repaired or replaced immediately.

To make sure a constructed bund retains its integrity, use a reputable company to repair any defects in the bund wall or lining promptly.

Keep a log of the inspections, any repair work on your tanks and who's done it.

Record oil usage. Regularly make a note of how much oil is in your tank and compare this to your previous usage. Contact us if you need advice about methods of monitoring your oil use and how often. If you’re suddenly using more oil and you can’t explain why, this could indicate a problem with your tank or pipework. You should ask a registered, competent technician to check your tank and pipework for faults and make any repairs immediately.

Removing rain water. If you have a tank in an open bund, check the bund after heavy rainfall. If there's no rainwater in the bund, it might not be sealed properly and you should have it inspected and repaired. If rain water has collected in your bund, it will reduce the amount of oil it can contain. If it’s necessary to remove accumulated rainwater, we recommend you do this with a manually operated pump or by bailing from the sump. Advice on disposal of bund water from domestic oil storage is available, (see Reference 19). In remote locations, you could use automatic systems that can distinguish between the oil and water in the bund. If you install one of these systems, you need to contact us for advice on where you can dispose of the discharge.

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

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. In all cases where wastes are removed, as the waste producer you are obliged under the Duty of Care (see Reference 20) to describe the waste accurately and dispose of it properly.

In England and Wales, waste contaminated with oil is classed as hazardous waste unless you can show there is under 0.1% oil.

In Scotland, waste contaminated with oil is classed as special waste, unless you can show there is under 0.1% oil. To establish if enough oil is present to make a waste special, a generic threshold of 0.1% may be used; however, if the result is below this, there may still be other hazards that make the waste special, such as flammability or toxicity, or the presence of other contaminants; for further information, see Reference 21.

A consignment note system applies for disposal of these hazardous or special wastes. For more details about waste oils, see either PPG8 (Reference 8) or our websites.

Don’t use bunds as a store for materials or wastes as this will reduce their capacity and create a fire hazard.

What you should do with your old tank

Make sure that a tank is fully drained, degassed and certified when it’s taken out of use and before it’s removed. Only suitably qualified and competent technicians should do this work. Never carry out work that heats the tank until after it has been degassed and the appropriate certificate issued (see Reference 22). Under waste management legislation, decommissioned tanks taken off site must be removed by a licensed waste carrier.
and must be accompanied by a waste transfer note. Tanks can only be disposed of at an appropriately licensed facility. Contact us to find your nearest site.

After your tank has been decommissioned or removed, check that the surrounding soil or groundwater hasn’t been contaminated. This can include testing surface and subsurface soil and groundwater samples for products relating to what you were storing. If contamination is found, take action as soon as possible to remove the pollution. Make sure you repeat the testing after the work has been done to ensure all the contamination has been removed. For more information see Reference 1 or contact us.

11. Mobile bowsers

Mobile bowsers are oil storage containers that can dispense oil and are designed to be moved, either being towed or lifted onto another vehicle, but which can’t move under their own power. As well as the requirements for the storage container (Section 5) and secondary containment (Section 5c) above, the following apply to mobile bowsers:

- Any flexible pipe, tap or valve must be fitted with a lock where it leaves the container and be locked shut when not in use;
- Flexible delivery pipes must be fitted with manually operated pumps or a valve at the delivery end that closes automatically when not in use. We recommend you use a nozzle designed to dispense oil;
- The pump or valve must have a lock and be locked shut when not in use.

More detailed information is also available in References 6 and 7.

12. Security

Your oil storage areas should be secured to prevent theft and vandalism. Permanent taps or valves through which oil can be discharged to open areas should be locked when not in use. Display a notice telling users to keep valves, nozzles and trigger guns locked when they’re not in use. Pumps should also be protected from unauthorised use.

Valve taps or levers should be corrosion resistant, strong enough to be tamperproof when locked and marked to show whether they are open or closed. When not in use, they should be locked shut. If the tank is being decommissioned then any valve taps or levers should be fitted with a blanking cap or plug.

13. Oil spills

An oil spill from your tank is likely to cause pollution; this will damage the environment and your reputation. Keep a spill kit with commercial sorbent products, sand or earth close to your oil storage to deal with spills, and make sure you or your staff know how to use it safely. Our incident response planning guidance PPG21, Reference 23, tells you how to draw up a plan. These guidelines set out best practice for producing an incident response plan to deal with an environmental incident on your site. Following a plan will help prevent or reduce environmental damage if an incident occurs.

If you have a spill, take immediate action to stop the oil getting into any drains or watercourses. If you can, soak up the spilt oil with the contents of your spill kit, without putting yourself in danger. Don't hose the spillage down or use any detergents to try to get rid of it; you could make the pollution worse. Notify us by calling the Emergency Hotline on 0800 80 70 60. If oil soaks into the ground, the soil soaked in oil should be removed, by a professional company, so it doesn’t cause long term pollution. Store any materials that are soaked in oil in containers that won’t let the oil run away until it can be correctly and legally disposed of. Surface and subsurface soil and groundwater samples may need to be taken and tested for products relating to the incident. For details on how to legally dispose of materials soaked in oil, see Reference 8.
14. References

You should make sure that the references and other sources of guidance are still current.

1. PPG27: Installation, decommissioning and removal of underground storage tanks
2. PPG26: Storage and handling of drums and intermediate bulk containers
3. PPG7: Refuelling facilities
4. Containment of bulk hazardous liquids at COMAH establishments Containment policy
5. Buncefield task group final report
   Leaflet on Scottish Oil Storage Regulations - Your questions answered. SEPA
   Guidance note for Water Environment (Oil Storage) (Scotland) Regulations 2006. Scottish Executive.
   Scottish Government, tel: 08457 741741 or 0131 556 8400, www.scotland.gov.uk
8. PPG8: Safe storage and disposal of used oils
   Defra/Environment Agency (Defra Publications, Tel: 08459 556000; http://www.defra.gov.uk)
   In Northern Ireland, Code of good agricultural practice for the prevention of pollution of water,
   Department of Agriculture and Rural Development for Northern Ireland (DARD). tel: 028 9052 4592.
   http://www.dardni.gov.uk
   In Scotland, Prevention of Environmental Pollution from Agricultural Activity (code of good practice)
10. In England and Wales, The Building Regulations 2000, Combustion appliances and fuel storage systems
    Approved Document J
    In Northern Ireland, The Building (Amendment) Regulations (Northern Ireland) 2006 Technical booklet L
    In Scotland, Building (Scotland) Act 2003 Sections 3.23 & 3.24 Domestic, Sections 3.23 & 3.24 Non Domestic
11. BS EN ISO 9001. Quality management systems Requirements. BSI
    Construction Industry Research and Information Association (CIRIA)
13. BS 5410 -1:1997 Code of practice for oil firing. Installations up to 45 kW output capacity for space
    heating and hot water supply purposes. British Standards Institution (BSI).
    BS 5410 -2: 1978 Code of practice for oil firing. Installations of 44kW and above output capacity for
    space heating, hot water and steam supply purposes. BSI
    BS 5410 -3: Code of practice for oil firing. Installations for furnaces, kilns, ovens and other industrial
    purposes. BSI
15. Concrete bunds for oil storage tanks. Agencies/CIRIA
16. Masonry bunds for oil storage tanks. Agencies/CIRIA
17. Get to know your oil tank. Oil Care Campaign
18. PPG3: The use and design of oil separators in surface water drainage systems


21. Special Waste Advisory Note 04 - Oil Contaminated Wastes. SEPA - on SEPA


23. PPG21: Pollution incident response planning

References 1, 2, 3, 4, 6, 8, 14, 15, 16, 17, 18, and 23 are available from us.
References 5 and 22 are available from HSE: Tel: 01787 881 165
References 7, 9, 19 and 21 are available from Defra the Scottish Government and Department of Agriculture and Rural Development (DARD) for Northern Ireland
References 10 and 20 are available from The Stationery Office (TSO) Tel: 0870 600 5522
References 12 and 14 are available from CIRIA, Tel: 020 8996 9001
References 11, 13, 14, and 15 are available from the BSI: Tel: 020 8996 7413

All Pollution Prevention Guidance Notes (PPGs) are available to download from our websites at:
www.environment-agency.gov.uk/ppg
www.ni-environment.gov.uk

15. Additional information

Code of Practice on Guidance on Regulation 2008 – from The Department for Enterprise and Regulatory Reform (BERR) website: www.berr.gov.uk

Professional schemes for qualified tank installers;
APHC (Association of Plumbing and Heating Contractors),
BESCA (Building Engineering Services Competence Accreditation Limited),
NAPIT (National Association for Professional Inspectors and Testers) Certification Limited,
NICEIC (National Inspection Council for Electrical Installation Certification) and
OFTEC (Oil Firing Technical Association Ltd)

A range of Oil Care Campaign literature and stickers, covering the complete life cycle of oil, are available from us.

Contact the Oil Bank Line at www.oilbankline.org.uk or on 08708 506 506 for details of your nearest oil recycling bank.

NetRegs is a web based resource that gives small and medium size businesses in the UK free environmental guidance. It will help you understand what you need to do to comply with environmental legislation, such as the oil storage regulations, and protect the environment. It may even help save you money by showing you ways to use your resources more efficiently. Take a look at www.netregs.gov.uk

Energy Institute.
Tel: 020 7467 7100 www.energyinst.org.uk

Association of Plumbing and Heating Contractors. (England and Wales).
Tel: 024 7647 0626 www.competentpersonsscheme.co.uk

Scottish and Northern Ireland Plumbing Employers Federation (SNIPEF)
Telephone: 0131 225 2255 www.snipef.org

Building Engineering Services Competence Accreditation Limited. (England and Wales).
Tel: 0800 652 5533  www.besca.org.uk

The Construction Licensing Executive (CLE) (Scotland)
Telephone: 0131 445 9210 www.clescotland.co.uk

National Association for Professional Inspectors and Testers Certification Limited.
Tel: 0870 4441392 www.napit.org.uk

National Inspection Council for Electrical Installation Certification.
Tel: 0870 013 0382 www.niceic.org.uk

Oil Firing Technical Association.
Tel: 0845 65 85 080. www.oftec.org.uk

Federation of Petroleum Suppliers (FPS) Briefing Notes.
www.fpsonline.co.uk
Making an oil delivery through a property.
Information your oil distributor will need to know when you place an order.
Appendix A Checklist for oil storage tanks

Completing this checklist will help you decide if you need to improve your oil storage facilities to comply with the Oil Storage Regulations (OSR) England and Scotland. If you’re not sure of the answer, don’t guess – get professional help and advice.

If your tank is exempt from the OSR, we recommend you follow these guidelines as fully as possible to reduce the risk of your oil causing pollution. There are other requirements for the Building Regulations that your tank may need to comply with. Check with your local authority for details.

For each time your answer is an x refer to the guidance or contact your registered tank manufacturer, registered, competent technician, delivery company or us to find how to correct this point.

<table>
<thead>
<tr>
<th>General requirements</th>
<th>× or ✓</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the tank ‘fit for purpose’ and in good condition (unlikely to leak or burst in ordinary use)?</td>
<td></td>
<td>e.g. polyethylene isn’t deformed or cracked, e.g. metal isn’t rusty</td>
</tr>
<tr>
<td>Is the tank situated more than 10m from a watercourse or 50m from a well or borehole? If unsure, contact us.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the tank within a secondary containment system?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the tank/container system located or protected so an impact or collision can’t damage it?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Secondary containment: storage capacity</th>
<th>× or ✓</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>For a single tank, is the secondary containment at least 110% of the maximum storage capacity of the tank?</td>
<td></td>
<td>See calculation table, page 18</td>
</tr>
<tr>
<td>For two or more tanks in one secondary containment system, is the secondary containment at least 110% of the biggest tank’s maximum storage capacity, or 25% of the total maximum storage capacity of all the tanks, whichever is the greatest?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Secondary containment: integrity</th>
<th>× or ✓</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the secondary containment impermeable to water and oil?</td>
<td></td>
<td>For masonry, concrete and steel containment</td>
</tr>
<tr>
<td>Is the secondary containment system intact and without openings or valves for drainage?</td>
<td></td>
<td>Get any cracks or other damage repaired.</td>
</tr>
<tr>
<td>Are any draw-off pipes/feed lines and fill pipes that pass through the secondary containment sealed adequately?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tank ancillary equipment</th>
<th>× or ✓</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are all valves, sight gauges, vent pipes and taps within the secondary containment system?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If the tank has a sight gauge, is it properly supported and fitted with a British Standard valve that closes automatically when the gauge isn’t in use?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are fill and draw-off pipes/feed lines located or protected from impact or collision damage?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>And, if applicable, are they protected from corrosion and frost damage?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>And, if above ground, are they supported properly?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are vent pipes, taps and valves arranged so that any oil lost will be retained within the containment system?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are all taps and valves fixed to the storage tank, through which oil can be discharged to the open, fitted with locks and locked shut when not in use?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Deliveries to the tank (filling)</th>
<th>× or ✓</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the fill pipe situated within the secondary containment system or, if not, is a drip tray big enough to contain any oil that remains in the pipework after filling available?</td>
<td></td>
<td>Empty the drip tray after the tank is filled.</td>
</tr>
</tbody>
</table>
Can the tank and vent be seen from the point where the filling operation is controlled or, if not, is the tank fitted with an automatic overfill prevention device?  
If the tank has a screw fitting or other fixed coupling, is it in good condition?  
Are fittings/couplings being used when the tank is filled?  
You need to discuss this with your oil supplier.

<table>
<thead>
<tr>
<th>Underground pipes (for filling and/or draw off)</th>
<th>× or √</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are underground pipes for filling, draw-off or feed protected from physical damage?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are all mechanical joints situated at a place accessible for inspection?</td>
<td></td>
<td>For example, under a hatch or cover.</td>
</tr>
<tr>
<td>Are there adequate facilities for detecting leaks?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If permanent leak detection is provided, is it maintained in working order and tested at appropriate intervals?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If permanent leak detection isn't provided, have the pipes been tested before use?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is pipework with mechanical joints tested for leaks every five years?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is all other pipework tested for leaks every ten years?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flexible draw-off pipes (for draw off)</th>
<th>× or √</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the flexible draw-off pipe fitted with a tap, valve or nozzle at the delivery end that closes automatically when not in use?</td>
<td></td>
<td>If the tap or valve can be fixed in the open position, it should have an automatic shut-off device.</td>
</tr>
<tr>
<td>Is the pipe kept within the secondary containment system when not in use or enclosed in a secure cabinet equipped with a drip tray?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there a lockable valve where the pipe leaves the container which is locked shut when not in use?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumped draw-off (non-gravity draw-off)</th>
<th>× or √</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the pump fitted with a check valve in the feed line to the pump?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the pump protected from unauthorised use and locked or isolated when not in use?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the pump located or protected from impact or collision damage?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If you can't answer a question or have crosses in the second column, it's likely that your oil storage installation needs to be upgraded to comply with the OSR unless it is exempt. The OSR England are fully in force and you must upgrade your oil storage now. To avoid the risk of pollution, take action to upgrade your oil storage as soon as possible.
Appendix B Calculation of capacity for tanks in open secondary containment systems

We've included this so you can check your existing secondary containment meets the minimum requirements of the OSR.

Calculate the capacity of a tank located within an existing open containment system by making the measurements shown in the table below. If the tank supports, or the primary tank, take up significant space, take this into account in the calculation.

Where the tank is enclosed within a proprietary system, refer to the manufacturer for this information.

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum capacity of primary tank(s)</td>
<td></td>
</tr>
<tr>
<td>If unknown, use tank length x width x depth in metres and multiply by 1,000 to convert to litres.</td>
<td>.......... litres A</td>
</tr>
<tr>
<td>Containment capacity = length x width x depth of secondary container in metres.</td>
<td>.......... m3</td>
</tr>
<tr>
<td>Then multiply by 1,000 to convert to litres</td>
<td>.......... litres B</td>
</tr>
<tr>
<td>Volume lost in secondary containment by tank supports (if significant) in cubic metres.</td>
<td>.......... m3</td>
</tr>
<tr>
<td>Then multiply by 1,000 to convert to litres</td>
<td>.......... litres C</td>
</tr>
<tr>
<td>Actual containment capacity = B − C (C = 0 if tank supports don’t occupy a significant volume).</td>
<td>.......... litres D</td>
</tr>
<tr>
<td>Minimum containment capacity (110%) = (110/100) x A</td>
<td>.......... litres E</td>
</tr>
</tbody>
</table>

If D is equal or greater than E, then the containment system volume is adequate and will comply with the OSR. We may require additional containment volume in some environmentally sensitive situations.

If D is less than E, then the containment system capacity is insufficient and will not comply with the OSR.

For installations where the tank takes up a significant part of the bund, the capacity available in the event of overfilling may be inadequate. You’ll need to consider delivery procedures and alarm systems to manage this risk.
Would you like to find out more about us, or about your environment?

Then call us on
08708 506 506 (Mon-Fri 8-6)
Environment Agency
www.environment-agency.gov.uk
HEAD OFFICE
Rio House
Waterside Drive
Aztec West
Almondsbury
Bristol BS32 4UD
Tel: 01454 624 400
Fax: 01454 624 409

incident hotline
0800 80 70 60 (24hrs)
Scottish Environment Protection Agency
www.sepa.org.uk
CORPORATE OFFICE
Erskine Court
The Castle Business Park
Stirling FK9 4TR
Tel: 01786 457 700
Fax: 01786 446 885

floodline
0845 988 1188
Northern Ireland Environment Agency
www.ni-environment.gov.uk
HEAD OFFICE
Klondyke Building
Cromac Avenue
Gasworks Business Park
Lower Ormeau Road
Belfast BT7 2JA
Tel: 0845 302 0008

Environment first: This publication is printed on paper made from 100 per cent previously used waste. By-products from making the pulp and paper are used for composting and fertiliser, for making cement and for generating energy.
Corrections to:
Above Ground Oil Storage Tanks - PPG2 (version of April 2010)

Please note corrections in page 2, Section 3a, of this PPG. The changes are presented in **bold**, below. These corrections apply in Scotland.

- In page 2, Section 3a, the second paragraph should read:

  "In Scotland, oil storage is regulated by the Water Environment (Oil Storage) (Scotland) Regulations 2006 (OSR Scotland). These regulations apply to any kind of oil including petrol, diesel, mineral oil, heating oil, lubricating oil, waste oil, vegetable and plant oil but don’t include uncut bitumen. **They apply to the storage of any volume of oil, except private dwellings storing oil in a container with a capacity of 2,500 litres of oil or less.** The Scottish Environment Protection Agency (SEPA), is responsible for enforcing these regulations throughout Scotland and may serve an Enforcement Notice requiring inadequate facilities to be brought up to standard."

- In page 2, the table at the bottom has had changes in the column for Scotland and should be:

<table>
<thead>
<tr>
<th>OSR England applies to</th>
<th>OSR Scotland applies to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Above ground oil storage in containers over 200 litres.</td>
<td>All above ground oil storage (except domestic oil tanks of 2500 litres or less).</td>
</tr>
<tr>
<td>Private domestic oil tanks over 3,500 litres.</td>
<td>Portable containers of less than 200 litres*.</td>
</tr>
<tr>
<td></td>
<td>Waste oil storage - see PPG8, Reference 8.</td>
</tr>
<tr>
<td></td>
<td>Oil stored on farms - see Reference 9.</td>
</tr>
<tr>
<td></td>
<td>Oil stored in buildings - see Section 6.</td>
</tr>
</tbody>
</table>