

MAP CODE
O/WSP

OIL/WATER SEPARATORS

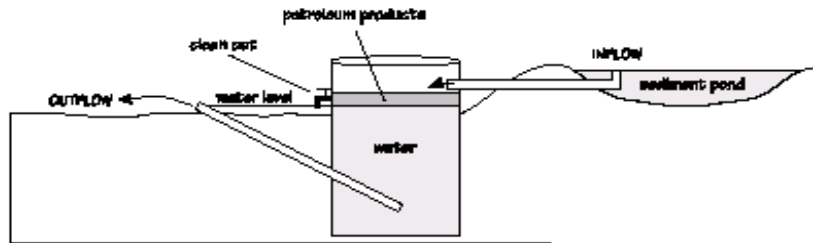
USE Emergency Spill
Risk Management
Stormwater
Waste

What

➤ A pond or tank that separates petroleum products from water using the difference in liquid density.

Purpose

➤ To remove petroleum products prior to release or reuse of water.



Source: WSDNR, ODGMI

This system uses a clean-out spigot to remove the oil as it floats atop the water.

Where

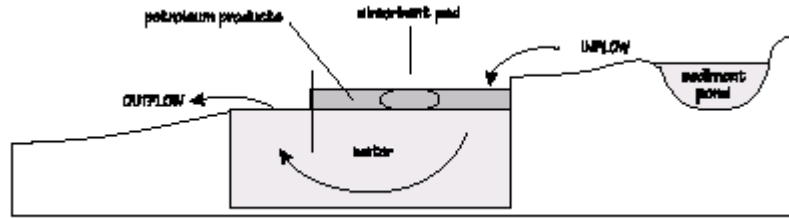
YES: Anywhere hydrocarbon-contaminated water can be collected, or prior to release into the environment.

Materials Equipment & Costs

- A concrete or metal tank set up as an oil/water separator.
- ✂ Equipment to move tank, hand tools to install, labour.
- \$ Moderate to high.

Plans & Spec's

- Size and type will not be the same for every operation.
- As a rule of thumb, the tank or collection area should have at least 1.85 square metres of surface area per 1000 square metres of drainage area to allow the petroleum to remain on the surface,.
- The water velocity and volume must be low enough to prevent oil/water mixing or overspillage.
- The majority of settleable solids must be removed from the stormwater stream before it reaches the oil/water separator or the separator will quickly become filled with sediment.



Source: WSDNR, ODGMI

This system uses an absorbent pad to soak up the oil.

Maintenance

- Scheduled maintenance should be performed to provide for periodic removal of debris and to ensure that the devices are operating efficiently.
- Surface facilities should undergo a drive-by inspection at least weekly and after any rain totalling 13 millimetres or more in 24 hours.
- Oil and solids should be removed frequently, including at the beginning and end of the main runoff season. The waste must be disposed of as specified by regulations.
- The effluent shutoff valve should be operational for closure during cleaning.

Sources

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