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certified by The Environmental Protection Agency

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Services for a safer environment



a **DCC** company



THE PHILOSOPHY

"TO USE OUR EXPERTISE TO CREATE THE BEST ENVIRONMENTAL SOLUTIONS FOR OUR CUSTOMERS."

Atlas Environmental is Ireland's premier hazardous waste management company with over a quarter of a century's experience.

We operate Ireland's most modern oil recovery and treatment facility at our Portlaoise headquarters and are fully licensed by the Environmental Protection Agency.

OUR SERVICES INCLUDE:

- 24 Hour Emergency Response
- Soil Remediation
- Waste Oil Collections
- Waste Oil Tanks
- Used Filter Collection and Disposal
- Oil Spill Kits
- Oily Waste Disposal (Solid or Liquid)
- Industrial & Automotive Supplies & Services
- Detergents & Handcleaners
- Sewage Treatment Systems
- Water Recycling Systems
- Oil Separator Systems
- Fat & Grease Separators
- Pumping Systems
- Sub-surface Chamber Systems
- Tank Cleaning
- Tank Decommissioning
- Interceptor Cleaning & Desludging
- Bund Wall Cleaning

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The 1996 Waste Management Act and subsequent regulations prohibits the improper disposal of all oily wastes. It is the responsibility of the producer to dispose of all hazardous waste through licensed contractors. Atlas is fully licensed by the EPA to collect and treat all liquid and solid oily wastes and provide the appropriate paper trail to demonstrate that you have discharged of all your legal obligations.

Industrial & Automotive Supplies & Services Division provides the following services:



Waste Oil Collection

Atlas are the only company in Ireland to provide a 'cradle to grave' solution for waste oil through the recovery of oil and subsequent reprocessing on-site, into a fuel. With our extensive fleet of oil collection tankers, Atlas provide a prompt and efficient waste oil collection service to the garage, industrial and marine sector. Atlas drivers are trained to internationally recognised standards (ADR) for the carriage of dangerous goods.

Waste Oil Tanks

Atlas supply waste oil tanks which are integrally banded with a 100% overspill capacity manufactured from top quality polyethylene.

Used Filter Disposal

Atlas supply our customers with a holding unit. The used filters are crushed, the waste oil is removed and the remaining material is sent for recycling.



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**Industrial & Automotive
Supplies & Services
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Solid Oily Waste Collection and Disposal Service

Atlas will provide a 240 litre holding unit or UN barrels for solid oily waste. Solid oily waste may consist of used absorbent, used rags, used booms etc.

All wastes will be brought to our Portlaoise Plant where the waste will be baled - the extruded oil will be recycled into a fuel and the final waste will be exported for recovery once a waste shipment has been accumulated by Atlas.

Absorbent Products

ELCOSORB 7kg Bag

ELCOSORB 300gm Home Bag

- 100% natural
- Immediately effective
- Simple to use
- 800% absorbency
- Environment-friendly disposal

ELCOSORB is an oil-binding, water repellent absorbent from Finland. Leaks and spills of oil and other materials can be removed from solid surfaces and from water quickly and effectively.

Detergents and hand washes

We carry a range of car & truck detergents together with a variety of hand products and dispensers.



Oil Spill Kits contains:
Absorbent, booms, pads

240 Ltr Mobile Bin contains

- 2 x 7 kg Bags of ELCOSORB
- 100 Absorbent mats
48cm x 48cm x 3.5mm
- 3 x 3m Absorbent socks

140 Ltr Mobile Bin contains

- 1 x 7 kg Bag of ELCOSORB
- 50 Absorbent mats
48cm x 48cm x 3.5mm
- 3 x 3m Absorbent socks

Grab Bag (Oil Spill Kit) contains

- 2 x 300g Bags of ELCOSORB
- 50 Absorbent mats
48cm x 48cm x 3.5mm
- 3 x 3m Absorbent socks

Protective Clothing Kit contains

- Paper overalls
- Gloves
- Glasses



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Waste Water Treatment Systems

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The wastewater treatment division of Atlas provides:

- Sewage treatment systems for family homes and group schemes
- Water recycling systems (e.g. for car washes)
- Oil separator systems
- Fat and grease separators
- Pumping stations
- Sub-surface water management

Aswaflow - Sewage treatment systems

Aswaflow systems are based on the SBR (Sequence Batch Reactor) concept and suitable for family homes (4-8 PE) and group schemes such as housing estates, hotels, restaurants, hospitals, camping sites etc. (10-500 PE). The systems are installed in high quality pre-cast concrete tanks. Operating and maintenance costs are minimal.

Our single house packaged system is Irish Agreement Board approved and includes pre-cast concrete tanks for primary and secondary treatment respectively. Easy to operate, it works under conditions of shock loading, which are common in single dwelling situations and is very low in maintenance. Results in practice from <math><5\text{mg/ltr}</math> BOD and <math><25\text{mg/ltr}</math> COD.

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Aswacycle - Water Recycling Systems

The key advantage of the system is that it can be based entirely underground with no over-ground structure required. The systems require low maintenance and do not make use of any chemicals for water purification. Designed for car brush, car high-pressure wash and truck wash units. Customised systems for bus, train or plane washing can be designed.

Aswaclear - Oil Separators

The Aswaclear range of oil separator systems have been specifically designed for applications such as filling stations, car washes, garage workshops, the petro-chemical industry, metal processing, the food industry, car dismantling, car parks etc. Manufactured to the German DIN Norm 1999 and the Euro-Norm 858, the Aswaclear range is the first in Ireland to attain these standards.

Aswatrap - Fat and Grease Separators

The Aswatrap range of separators are manufactured to the German DIN Norms and are designed for applications such as hotels, restaurants, chip shops etc. The Aswatrap alleviates problems in waste water pipe work and is available in concrete, stainless steel or HDPE for underground or over-ground installation.

Aswadrive - Pumping Stations

All our pumping stations and control panels are individually designed and pre-fitted in a concrete tank. This makes the Aswadrive pumping station easy and fast to install on-site and does not require any additional concrete work.

Infiltrator - Sub-surface Chambers Systems

The Infiltrator chamber systems provide environmental solutions for sub-surface stormwater management or wastewater percolation.

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24 Hour Response

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Atlas Environmental 24 Hour Response is a 24 hour, seven day a week service, designed to minimise the environmental impact of an oil related accident or incident.

We have 25 years experience in the following areas:

- Tanker rollovers/road spillage incidents
- Spills into rivers/streams/lakes
- Foreshore remediation
- On-shore support for marine incidents
- Bund or Tank Ruptures
- Product transfers
- Assessments and response planning
- Situations/Incidents

Atlas Environmental 24 Hour Response services include:

- Rapid response and initial advice
- Containment and assessment of situation on-site
- Product recovery
- Specialist clean-up
- Soil remediation if required
- Licensed disposal of all oily wastes

We also offer a range of additional services such as civil work/excavation of contaminated materials, project management, vacuum tankers, on-site treatment plants etc.

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24 Hour Response

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We have a large range of specialist equipment including:

- Full ADR specification
- Customised Oil Spill Response Vehicle & Trailer on 24 hour standby
- Articulated Tankers (Petroleum spec'd)
- Air and Water pumps, generators etc.
- Oil skimmers
- A variety of Mobile Fast Tanks
- Mobile Interceptors (manufactured by Atlas)
- Oil Spill Response Boat

Our experienced staff are veterans in the field of oil related incidents and accidents and are trained in the following:

- Hazchem/ADR
- Emergency Oil Spill Response
- Confined Space Entry
- Product Transfer (Class I, II & III)

Dealing with incidents is our speciality - if you have a problem please contact our dedicated and highly trained staff for immediate response and assistance.

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Contract Services

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With increasingly stringent legislation and a more environmentally conscious attitude - business and industry require a fully licensed waste disposal service for the full range of oily waste (oily liquids, solid oily wastes, waste waters) which they produce as part of their manufacturing or processing operations.

Atlas Environmental Services provide a modern nationwide waste management service, allied to 'state-of-the-art' recycling facilities fully complying with environmental legislation.



In addition to the security of dealing with Ireland's leading Environmental Services provider, you will also have peace of mind in knowing that you are fully complying with all current environmental legislation.

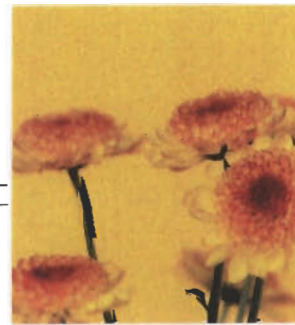
Tank Cleaning, Neutralising and Decommissioning

The cleaning of oil storage tanks is a highly expert operation, requiring specialised equipment and highly trained personnel. At Atlas, our fully trained experienced crew ensure that our clients get the best and safest cleaning procedures available.

We provide a comprehensive service cleaning tanks of all sizes and product type. Over a period of time sludgy residues build up in oil tanks, if they are not removed the result is clogged filters and lines leading to Plant Failure/Factory Downtime.

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Underground Storage Tanks

We also offer a tank neutralising service in conjunction with Tanksafe - the new environmentally friendly method of neutralising underground storage tanks. Traditional methods using water, sand or concrete are expensive, complicated and will render your tank 'temporarily out of service'. Tanksafe utilises non toxic RG22 foam which permanently renders the tank gas free (i.e. free of an explosive atmosphere). Foam filled tanks can be removed safely or left in the ground with confidence.

Whether underground or overground Atlas Environmental Services provide a comprehensive decommissioning service which includes de-gassing, cleaning, removal from site and licensed disposal.

Interceptor Cleaning & Desludging

Cleaning of bund wall areas and servicing or desludging of interceptors are routine services provided by Atlas, often under yearly contract arrangements. All wastes removed from Interceptors are reprocessed/disposed of in a legitimate manner through our licensed facilities.

Oily Waste Removal

Atlas can remove for treatment and disposal all liquid and solid oily wastes e.g. used absorbents, booms, pads, cleaning materials, oily sludges etc. Atlas can provide personnel to safely package oily wastes on your site for subsequent licensed disposal.

Oil Spill clean up

We offer a comprehensive range of clean up services including washing and cleaning of affected areas, oil stained equipment and reusable oil booms. We also offer a range of additional services such as civil work/excavation of contaminated materials, project management, vacuum tankers, on-site treatment plants etc.,

See Response Insert

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Soil Treatment

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Under the provisions of the Waste Management Act 1996, wastes (including excavated soils) which are contaminated with petroleum hydrocarbons such as oil, diesel, petrol, kerosene etc. are classified as a hazardous waste and must be disposed of accordingly.

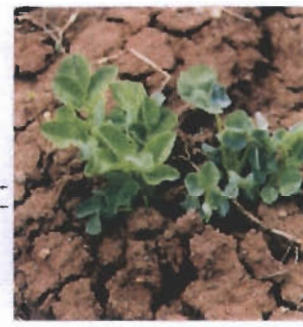
It is the responsibility of the producer to dispose of all hazardous wastes through a licensed route. Atlas is licensed by the Environmental Protection Agency to treat and dispose of petroleum contaminated soil. This means there is no longer a need for costly export to other European countries for incineration.

Atlas Soil Treatment involves the bioremediation of such soils in order to treat the contamination. Under normal conditions it may take many years for degradation to occur sufficiently if at all. With a full understanding of the natural process, Atlas can vastly accelerate the degradation under controlled conditions to reduce the timeframe involved to months rather than years.

Ex-situ treatment of soil (where soils are excavated for treatment) is carried out at our purpose built facility in Portlaoise. Ex-situ treatment has the advantage over in-situ processes of being able to deal with higher levels of contamination or difficult soil types. It also allows for immediate removal of contaminated material so development can proceed without undue delay. In situ treatment can also be facilitated through Atlas Soil Treatment if conditions allow.

Treated soils are independently certified and approved by the Environmental Protection Agency prior to being reused through a variety of routes.

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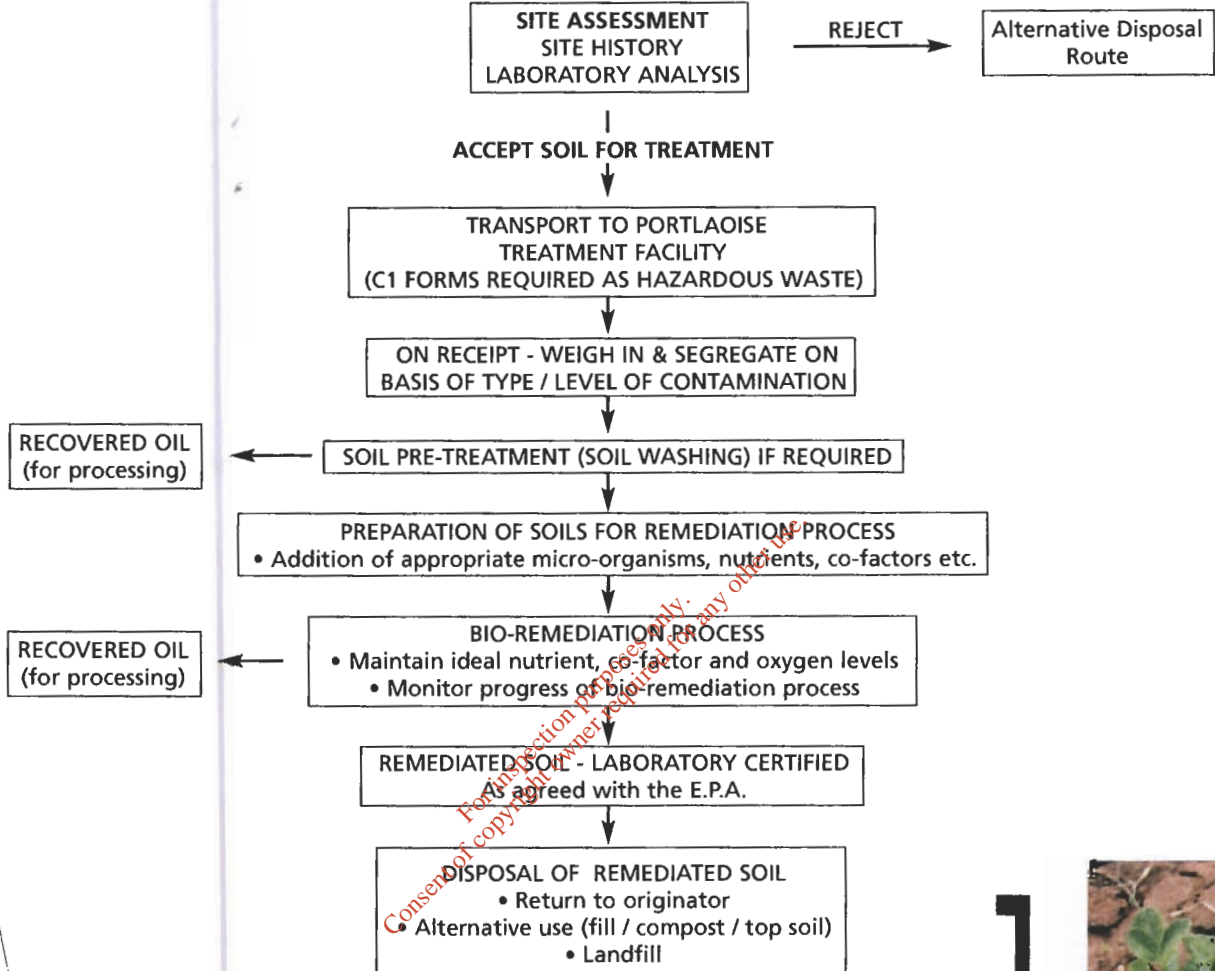


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Soil Treatment

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Soil Bio-Remediation of Petroleum Contaminated Soils



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