

**BOB BOYD** Grad IOSH  
MEASHAM HEATING & VENTILATION

# **OIL SPILLS TO KNOTWEED**

**AN INSIGHT INTO the CITB  
SITE ENVIRONMENTAL AWARENESS TRAINING**

# SITE ENVIRONMENTAL AWARENESS TRAINING

- SUSTAINABLE CONSTRUCTION & THE ENVIRONMENT
- SITE ENVIRONMENT MANAGEMENT SYSTEMS
- ENERGY MANAGEMENT
- ARCHAEOLOGY & HERITAGE
- ECOLOGY
- STATUTORY NUISANCE
- WATER MANAGEMENT & POLLUTION CONTROL
- RESOURCE EFFICIENCY
- SOIL MANAGEMENT & CONTAMINATION CONTROL
- WASTE & MATERIAL MANAGEMENT

# OIL SPILLS TO KNOTWEED

## CONTROLLING OIL SPILLS

- Oil pollution is mainly caused by spills, or overfilling of equipment.
- Oil pollution reduces the level of oxygen in water, and can be toxic to aquatic wildlife, it coats animals wildlife & birds.

&

## JAPANESE KNOTWEED

- Initially lauded for its beauty & potential as animal feed, it was sold commercially in Nurseries since 1847- it can grow 10cm a day!
- Not illegal to have on your land, but against the law to allow it to spread into the wild.

## DAMAGE TO OUR ENVIRONMENT FROM OIL SPILLS

Pollutants can put human health at risk and often affect drinking water supplies, business activities, wildlife habitats, and people's enjoyment and use of the environment.

### Source

*Example:* a spill on ground from oil drums or tanks



### Pathway

*Example:* drains, through soil to groundwater, over hard surfaces



### Receptor

*Example:* river, stream, lake, groundwater

# OIL SPILL RESPONSE

- Spill Kits are designed to offer the perfect combination of pads, socks
- (minibooms), booms, sheets & hazard waste bags to deal with your spill risk.
- The kits are designed to be strategically placed at key spill risk areas to provide an Immediate solution should a spill occur



# PREVENTION

Containing and controlling incidents so as to minimise the effects and to limit danger to persons, the environment and property;

## Site emergency plan

- Description of the actions which should be taken to control the conditions at events and to limit their consequences, including a description of the safety equipment and resources available;
- Arrangements for training staff in the duties they will be expected to perform;
- Arrangements for informing local authorities and emergency services; and
- Arrangements for providing assistance with off-site mitigatory action.

## • **ESCALATION TO COMAH**



# Japanese knotweed

"indisputably the UK's most aggressive, destructive and invasive plant", says the Environment Agency.

As well as destroying concrete foundations, it can damage flood defences and architectural sites.

And the plant can regrow from even a tiny fragment of its root – so getting rid of it is not easy.



# KNOTWEED CONTROL

- Knotweed management plan, usually a mix or all of the treatments
- Herbicide Treatment Visits
- Cutting and removal of stems
- Excavation of affected land
- Root barrier installation & clean soil backfill





