Oil Spill Response and Equipment Deployment Guide

Forties Pipeline (landline) POC/DPO Role & Responsibilities

- Available for immediate response in the event of an onshore spill from a BP FPS pipeline.
- Proceeds to site of spill to liase with BP Incident Officer (PERO), agrees the strategy/plan of action to be taken to minimise environmental damage and manages site pollution response activities until advised otherwise.
 DPO will handover to POC when POC arrives on site.
- Co-ordinates the mobilisation to site of the oil spill response standby equipment and personnel.
- Liases with the Contractor's Base during mobilisation and site activities and ensures FPS Grangemouth Incident Management Room (IMR) is kept advised of status.
- Liases at site with external organisations interested in the pollution response (SEPA, SNH, local council etc) on behalf of BP to ensure they are consulted on the strategy/plan of action.

Contractor contact details

Taylors

01224 872972 (24 hour number)

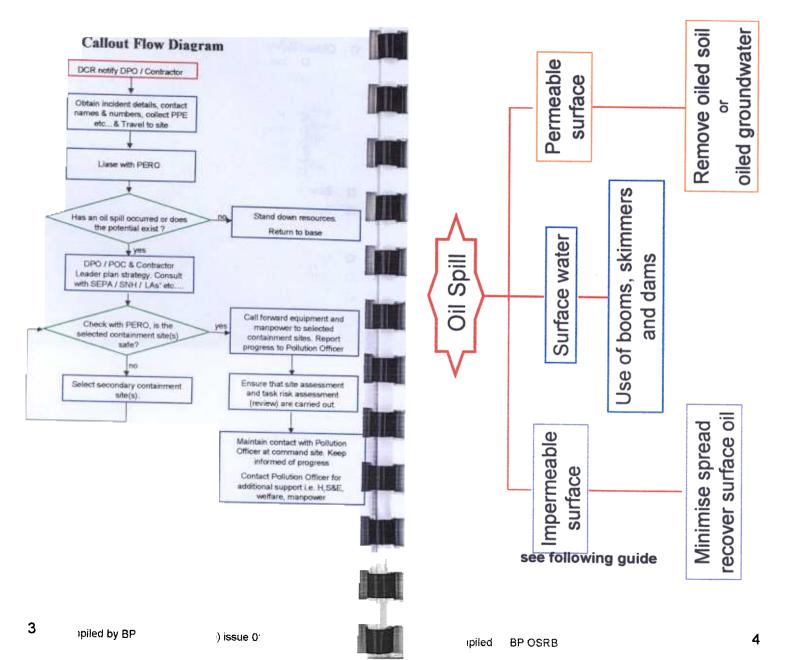
i&H Brown

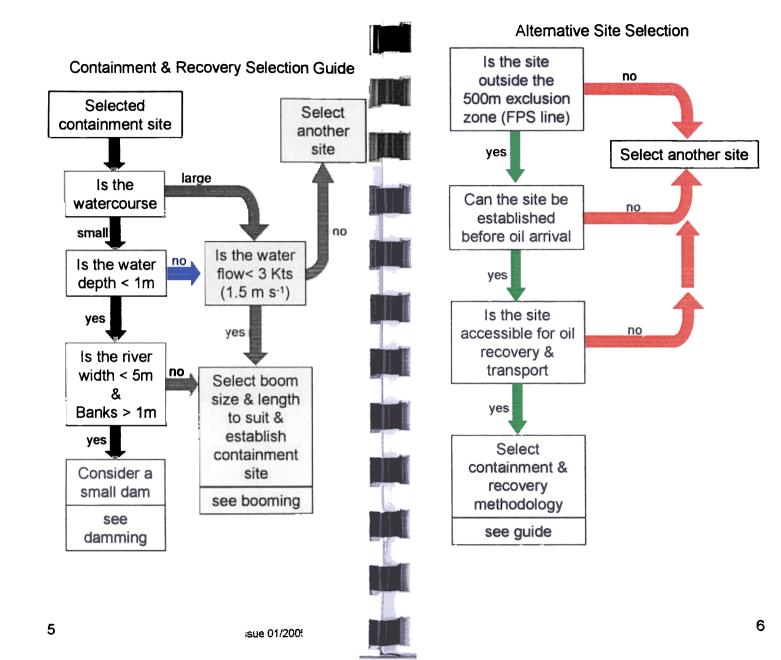
01738 494478 (24 hour number) 07979 090670 (duty mobile number)

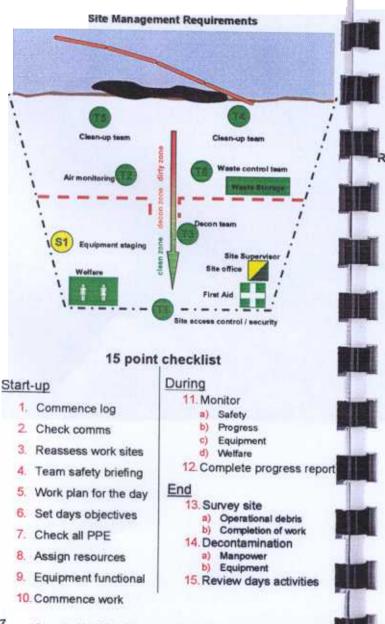
Caltech (normally for south of Forfar only)

Office hours 01324 473971
Out of hours 07774 109261

POC / DPO Checklist Obtain incident initial information call-back details names & numbers Grangemouth IMR if known PERO details incident location anticipated oil spill size 0 weather conditions PERO rendezvous (RVP) O have contractors been mobilised Start personal log Establish contact with PERO O confirm location for Command Van request update Confirm RVP / FHP (if known) Arrive at site / RVP. Liase with PERO Open Containment Manual to correct section PERO should provide EXCLUSION zone information and safety related information Establish basic known facts incident location estimate of oil release is the pipeline de-pressurised quantity remaining in pipeline wind direction Brief contractor supervisor on known facts Select appropriate strategy/containment site(s) Brief PERO on planned actions Brief SEPA / SNH / etc....as required Keep PERO informed of actions / progress Utilise 2nd Command Van as Pollution Control Centre \Box Prepare summary of actions / progress for IMR Handover to Grangemouth POC on arrival









Leadership

Re-monitor

- Clear roles & responsibilities
- Achievable objectives
- · Correct tools for the job
- Enough staff for the job
- Correct skill-set for the job
- Recognition of team needs

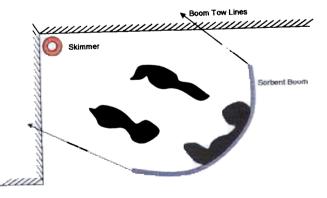
Clear and understandable instructions communicated to the team in a timely manner will go a long way to ensuring that the clean-up is carried out in a safe and effective manner.

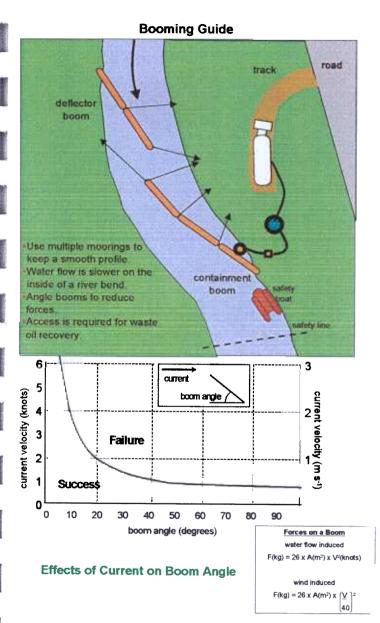
Inland strategies

Impermeable Surface (roads, hard standings)

- · Block all drains
- Concentrate oil, limit spreading
 Permeable Surface (fields, soils etc)
- · Create a bund
- Introduce a water bottom
- Dig trenches/pits into water table
 Surface Water, rivers & streams
- Floating booms & skimmers
- Dams (flume, spade, sandbag etc..)
 Recovery storage of spilt oil
- Recovery with pumps and skimmers
- Storage in pits, tankers, temporary storage tanks

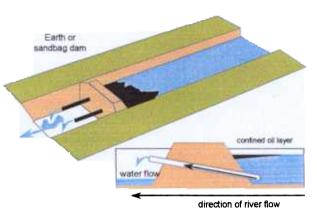
adsorbent boom use for sweeping ponds/reservoirs etc...

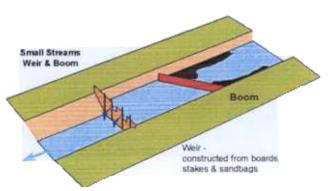




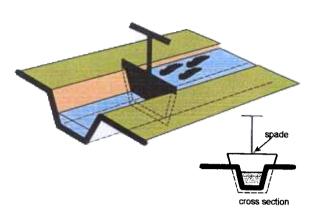
Depth of Boom in the Water Max 20% total depth Increased velocity river bed **Staked Mooring Floating Moorings** floating mooring bollard shackles high water 1.5 xid 5 xd low water 11 iled by BP OSRB (Pitreavie) issue /200

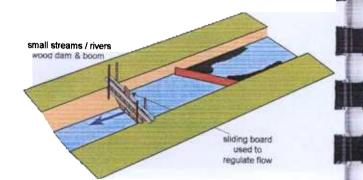
Damming Guide





- ☐ Raise level
- Maintain flow
- □ Do not flood surrounding land
- ☐ Deploy boom before dam if possible
- □ Deploy skimmer





Soil retention and penetration

Soil	Capacity (litre/m³)
Stones/coarse gravel	5
Gravel/coarse sand	8
Coarse sand/medium sand	15
Medium sand/fine sand	25
Fine sand/silt	40

Depth (metres) =
$$\frac{1000 \text{ v}}{\text{A x R x k}}$$

where:

v = Volume of Spill (m³)

A = Area of infiltration (m²)

R = Retention capacity of soil (I/m³)

k = correction factor for various oil viscosities 0.5/2.0 *

0.5 for low viscosity e.g. gasoline

*2.0 for light fuel oils

spill path trenching

