

Oil Spill Responder Health & Safety



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The First Steps

- Who is at risk from potential hazards
- What is the hazard/risk
- Assessing the hazard/risk
- Control measures
- Monitoring
- Feedback



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Who

- Clean-up personnel
 - supervisory staff
 - observers
- General public
 - local residents
 - volunteers
 - media (tv & radio)



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Hazards

- ⚠ Oil
- ⚠ Weather
- ⚠ Clean up equipment
- ⚠ Clean up chemicals
- ⚠ Working area
- ⚠ Simultaneous operations
ship movements etc...



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Oil

- ⚠
- Toxicity
 - liquids / solids
 - contact
 - ingestion
 - vapours / gases
 - inhalation
- Flammability
 - explosion / fire



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Weather

- ⚠
- Cold
 - exposure, wind-chill, hypothermia
- Wet
 - discomfort / reduced morale
- Heat
 - heatstroke, dehydration
- Sun
 - sunburn, sunstroke





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 **Clean-up Equipment** 



- Rotating equipment
- Vacuum equipment
- Complexity / size
- Hand tools

 
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 **Clean-up Chemicals** 

- Product information sheets
- Hazard Data Sheets

 
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 **Working Area** 

- Shoreline
 - cliffs
 - beaches / intertidal zone
- At sea
 - vessel movement
 - cluttered working area
- Wildlife

 
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Control Measures

- Safe working practices
 - control of work (permit control)
 - task risk assessments
 - information/instruction/training
- Site control
 - barriers, police, access control
 - control zone concept
- PPE, last resort



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Site Safety Assessment

- Unfamiliar working environment
- Safety assessor
 - qualifications
 - experienced
 - analysis of risk
- Reporting
 - site assessment pro-forma
 - liase with planning / operations



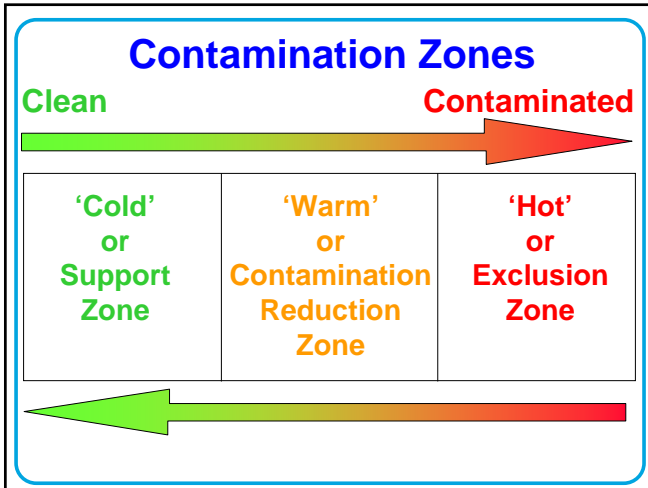
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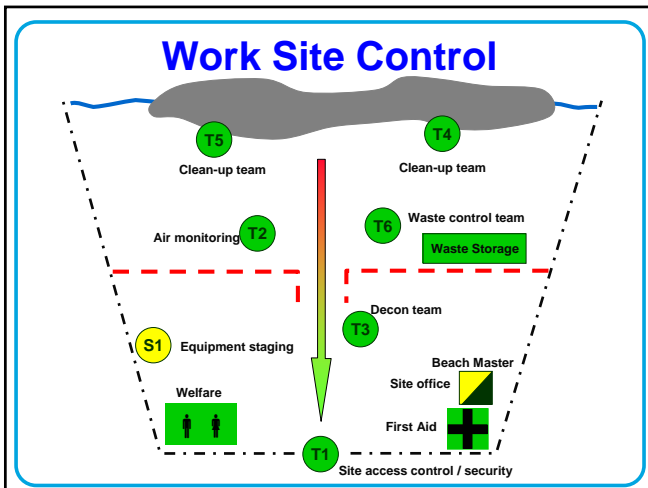
Safe Working Practices

- Supervision and training
- Communications
 - emergency contacts
- Welfare considerations
 - personal protective equipment
 - food and shelter
- Decontamination
 - cleaning stations
 - personnel and equipment



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Final Thoughts

- Stop (don't just start work) **Take 5**
- Think (what is my job)
 - do I understand my instructions
 - am I at risk of harm
 - will my actions harm others
- Reassess
 - has the job changed
- Feedback
 - changes
 - requirements
 - progress

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