

Environment Management Series



Spill Response & Control

Toolbox Presentation - SIMEC Mining & LPS

Environment Management Series: EMS001 – Key Information: Spill Response & Control (V3)
(SIMEC Mining & LPS)



WHAT COMMONLY CAUSES SPILLS?

- Refuelling of site plant/equipment
- Inadequate storage of chemicals (e.g. lack of, or inadequate bunding)
- Equipment hydraulic hose failure
- Maintenance activities



HOW DO I MINIMISE SPILLS?

- Place **spill response kits** at high risk locations and on mobile vehicles / trucks operated in remote areas.
- **Inspect equipment** daily - check for leaks.
- **Report all equipment leaks** and repair as soon as possible
- Conduct scheduled **preventative maintenance work** – do not run equipment until break-down.
- **Store chemicals on or within bunded areas**
- **Inspect** storage tanks / containers for any leaks or degradation.
- Only **store minimum amounts** of chemicals required – Do not store large quantities unnecessarily.
- Use **spill trays** at transfer points



HOW DO I DISPOSE OF CONTAMINATED MATERIAL?

- For smaller spills - use existing spill equipment where possible / place material in waste disposal bags to transport for disposal.
- Soil can be used to contain spills or alternatively coke breeze is ideal for hydrocarbon spills.
- Whyalla Shared Facility - Take oil contaminated soil to the Bioremediation area, but only after instruction from Site Services
- Whyalla Shared Facility - Spills to harbour or marine environment are an emergency and will trigger the Environmental Spill Contingency Plan – QP29.07 Major Emergency and Response (Call Security: 4000)
- If advice is required for removal / disposal contact Site Services (Ph: 4448).



Kitty litter used to soak up oil spill



Iron Baron bioremediation pad

THE 4 KEY STEPS TO SPILL RESPONSE – 4 C's.....

CONTROL

Assess the spill, ensure personnel are safe. If safe, stop the source- turn off the valve, plug the hole, divert the flow or shut the machine down – whatever is necessary to stop the spill source. Notify Supervisor as soon as possible. Assess the level of seriousness for all spills / incidents (>Level 2) notify the Environment Department as soon as possible.



CONTAIN

Prevent or limit environmental damage. Place absorbent & containment material or devices to prevent spread of the spilt material



CLEAN-UP

Recover / dispose of what was contained. Clean up spillage and appropriately dispose of contaminated material. Contact Site Services (4448) if assistance is required.



COMMUNICATE

Seek help and advice where needed.

Report the incident within the Issues Management System (IRMS)

Remember - All spills to drain / marine OR >20 litres to ground **MUST** be formally reported as incidents.

