



WASTE MANAGEMENT SYSTEM

OIL SPILL REMEDIATION

An oil spill occurs when liquid petroleum or hydrocarbons are released in the environment. In the event of the onshore oil spillage incidents, we at CIC are able to provide quick and efficient oil spill emergency services while minimizing the environmental impact. Inventory of oil booms, sorbents and dispersants is readily available to be deployed such an incident occurs.

Client's Tank Oil Spill & Soil Remediation Project

► Overview of the case study

Project Location	Date
Client's Tank Area.	October 2013 ~ November 2013 (1 month).
Brief Description	Volume
Light oil spill at Client's Tank area within the bundwall due to structure failure.	250 tonnes of contaminated soil.

► Challenges

- High VOC reading due to light fuel spill especially during first stage of light oil removal from the surface.
- High consumption of Tychem Type F coverall as per requirement from Client's Tank.
- Manual excavation for the whole area as there's limited access for big vehicle to enter (for the purpose of trenching and contaminated soil removal).
- Slow process of light oil removal due to long hose usage from Vacuum Tanker.

► Solution

- Area divided into 4 clusters .
- Manual trenching to create flow for light oil collection using Vacuum Tanker.
- Spot sampling for oil content.
- Manual excavation for contaminated soil removal.
- Fresh soil backfilling.



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