

A photograph showing construction workers on a riverbank. The workers are wearing safety gear, including hard hats and high-visibility vests. They are standing on a muddy bank next to a river. A yellow pipe is visible in the foreground, extending into the water. The background is filled with lush green trees and foliage.

SCAT
ENBRIDGE/KALAMAZOO RIVER

August 1 –September24, 2010

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FORMAT

Teams 2-6

Training

- NOAA Format
- Environment Canada held class 2 weeks before
- **Five Step Process**
 - SCAT (shoreline and overbank)
 - Operations / Cleanup
 - Site Inspection
 - SCAT reassessment
 - EPA Division Supervisor Signoff

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Timeline

- August 1- SCAT with NRDA begins
- NRDA ends, SCAT continues
- Overbank assessment starts (begin river all over)
- August 26 5 Step process defined
- September 24 SCAT complete

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Revamp of Approach

- All vegetation is not the same
- Development of written approvals
- Development of pictorial guide



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- Do not remove woody plants greater than 2" diameter (as measured one foot above ground surface).
- • Minimize trampling in wet areas and use planks or platforms where necessary to avoid leaving deep footprints that damage vegetation and may drive oil into soils
- • In areas containing pooled, submerged, or floating oil, remove oil using portable vacuum or absorption techniques (e.g. snare/pompons, sorbent pads). Cut and remove vegetation from around these oil pools to up to 10 ft. as needed to detect other pools of oil.
- • In areas where oil occurs on land in moderate to heavy amounts or wherever oil has formed semi-solid to solid masses, manually remove oil and contaminated soil by scooping with flat shovels, rags, sorbent pads, gentle raking, gloved hands, hand tools, or similar manual methods. Cut and remove vegetation from around these oil patches to up to 10 ft. as needed to detect other patches of oil.
- • In areas where absorptions and/or manual removal techniques have proven ineffective, more mechanized approaches or other countermeasures may be proposed to EPA Operations in consultation with SCAT for approval.
- • Small patches of oil on soils or vegetation (i.e., < 1 yard in diameter) may be left in place.
- • Consult with MDNRE before replacing backfill.

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Data

- Electronic Database
 - Turn around time
 - Other uses
 - Desparation
- Tablet application
 - Sketch
 - GPS
 - Photos

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“SCATTISH” Issues

- SCAT as the ethic of the response
- Literal interpretation of recommendations
- What does SCAT think?
- Resolution
 - Science/ Environmental Advisory Group
 - Ops Chief
 - IC

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Logistics

- PPE
 - Heat
 - Mosquitos
 - Oil
 - Vegetation
- Travel
 - Boats
 - Boots
 - Lunch
- Comfort
 - Hotels



Anomalies

- Dump
- High quality wetlands
- No go islands
- Overbank
- Submerged Oil

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Pressures

- Completion date
- Sign Off
- Scattish Issues



What would we do differently?

- Reconnaissance feedback loop – IAP?
- Where is it in the organization?
- RRT SCAT cadre

