IN SITU BURN

In addition to the development of specialized fire boom, research into controlled burning of oil is yielding emerging technologies that improve burn efficiencies with less airborne emissions and burn residue.

MODERN INNOVATIONS INCLUDE:

- A system to assess fire/water interface surface areas to quickly calculate oil volumes and burn rates.
- Fire boom materials and designs that allow for multiple, sequential burns.
- Small, compact igniters.
- Use of herders to concentrate oil for an in situ burn.
- A system for cleaner on-site combustion of collected emulsified oil.
- Heat feedback systems that produce hotter, cleaner burns.
- Unmanned surface vehicle that herds and ignites multiple oil slicks.



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