

Alternative Response Technologies

- Laser Fluorometer Submerged Oil Detection (EIC Laboratories, Inc. - Norwood, MA - with funding from USCG): Uses laser fluorescence polarization to detect nonfloating oil.

ATTACHMENT, FIGURES, TABLES, AND CHARTS

Alternative Response Technology—Successes

During the DWH incident, there were at least 45 successes based evaluations in three categories—offshore, near shore, and onshore—an recommended for use by responders, as required.

Offshore

- Controlled In-Situ Burning (Spilltec Inc. - Woodinville, WA): Extended implementation of in-situ burning techniques previously planned and only on a limited basis.
- Laser Fluorometer Submerged Oil Detection (EIC Laboratories, Inc. - MA - with funding from USCG): Uses laser fluorescence polarization nonfloating oil.
- Coda Octopus 3-D Sonar (US Coast Guard R&D, New London, CT): In conjunction with EIC Laser Fluorometer, uses proprietary underwater sonar technology for detecting nonfloating oil.
- Side Scan Sonar (Fairweather Science LLC - Anchorage, AK): Calibration of side scan sonar to detect nonfloating oil.
- Acoustic Doppler Current Profiler (T&T Marine - Galveston, TX): Calibration of ADCP to detect nonfloating oil.
- Big Gulp Skimmer (LAD Services - Morgan City, LA): Large equipped with skimmer and settling tanks for high-volume open water oil skimming.
- Wave Glider (Liquid Robotics Inc. - Sunnyvale, CA): Autonomous, self-propelled, remotely steered vehicle with capability to carry wide range of monitoring instruments.

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