

Oil Spill Preparedness Program

Overview

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“To promote safety, protect the environment and conserve resources offshore through vigorous regulatory oversight and enforcement.”



Photo: BSEE

Oil Spill Preparedness Program



Preparedness
Verification



Oil Spill Response
Research



Ohmsett
Management

Vessel and Facility Response Plans

Statutory
Authority

Presidential
Delegation

Agency
Jurisdiction

Oil
Pollution
Act of 1990

Executive
Order
12777

Offshore
Facilities



Bureau of Safety
and Environmental
Enforcement
30 CFR 254

Marine
Transportation
Related Facilities



U.S. Coast Guard
33 CFR 154

Vessels



U.S. Coast Guard
33 CFR 155

Onshore
Facilities



Environmental
Protection Agency
40 CFR 112

Railroads



Pipeline and
Hazardous Materials
Safety Administration
49 CFR 130

Pipelines



Pipeline and
Hazardous Materials
Safety Administration
49 CFR 194



(Photo: U.K. Maritime and Coast Guard Agency)



Oil Spill Response Plan

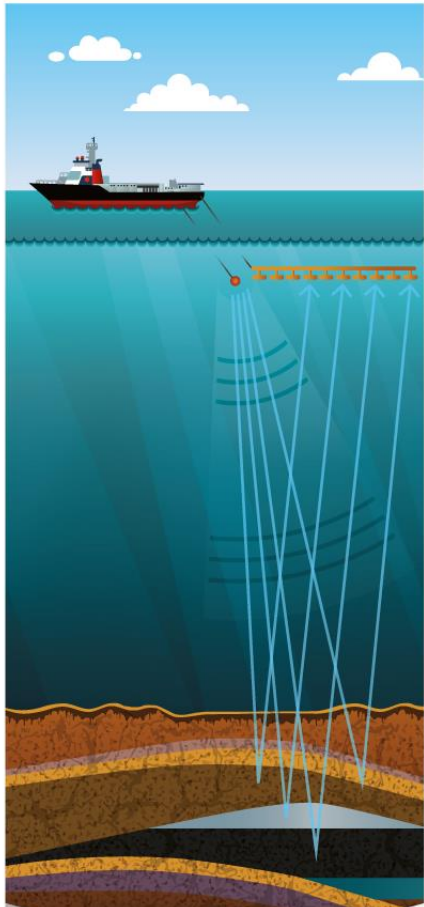


What's in an Oil Spill Response Plan?



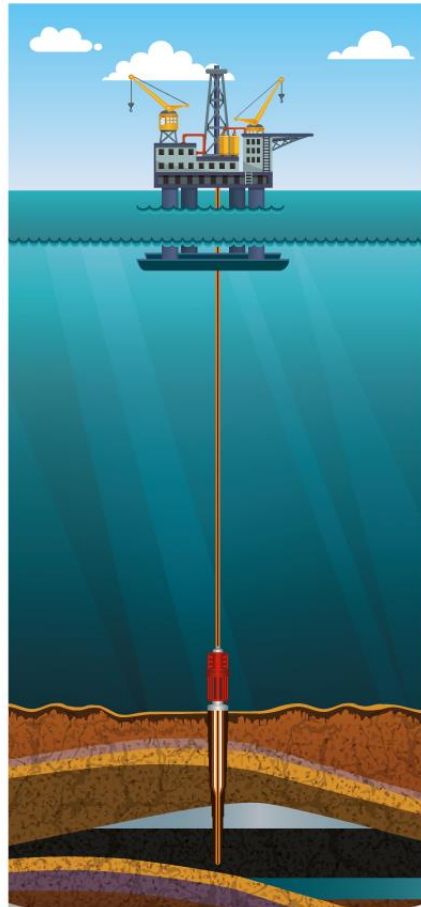
- Emergency contacts and incident management organization
- Facilities covered
- Response equipment inventories and contracts
- Exercise and training processes
- Worst-case discharge scenarios
- Response strategies

General Life Cycle of Offshore Oil and Gas Exploration and Production Operations



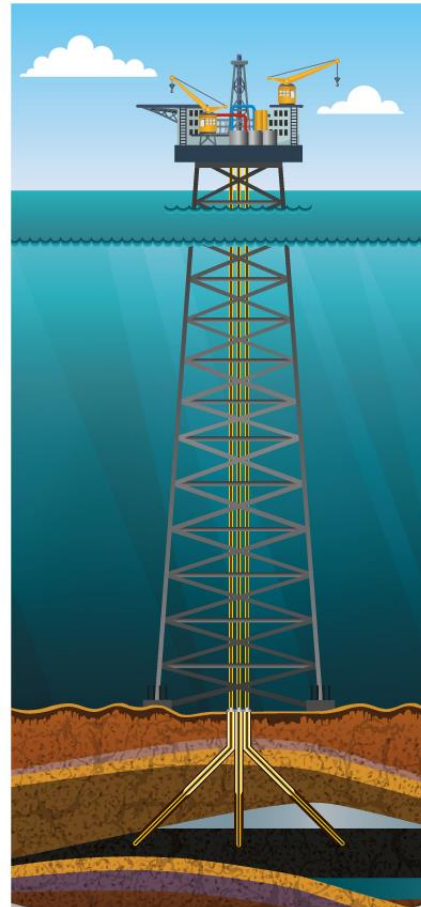
1

**SEISMIC
SURVEYS**



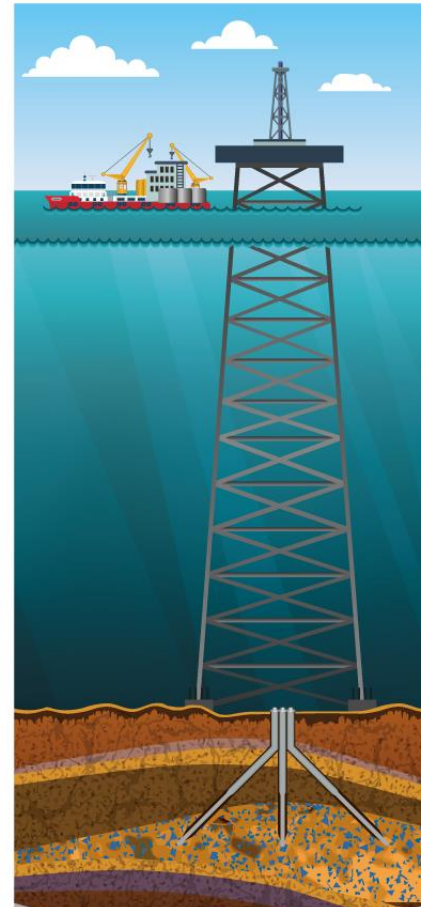
2

**EXPLORATION AND
DEVELOPMENT
DRILLING**



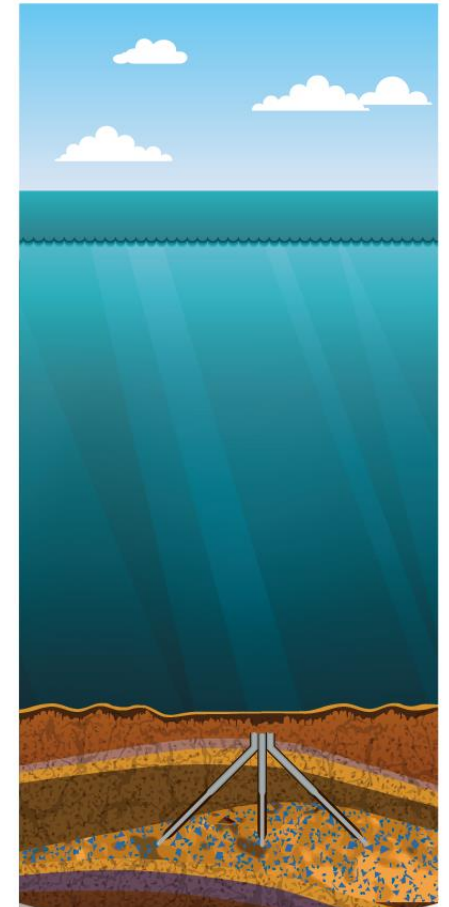
3

**PRODUCTION AND
WELL WORKOVERS**



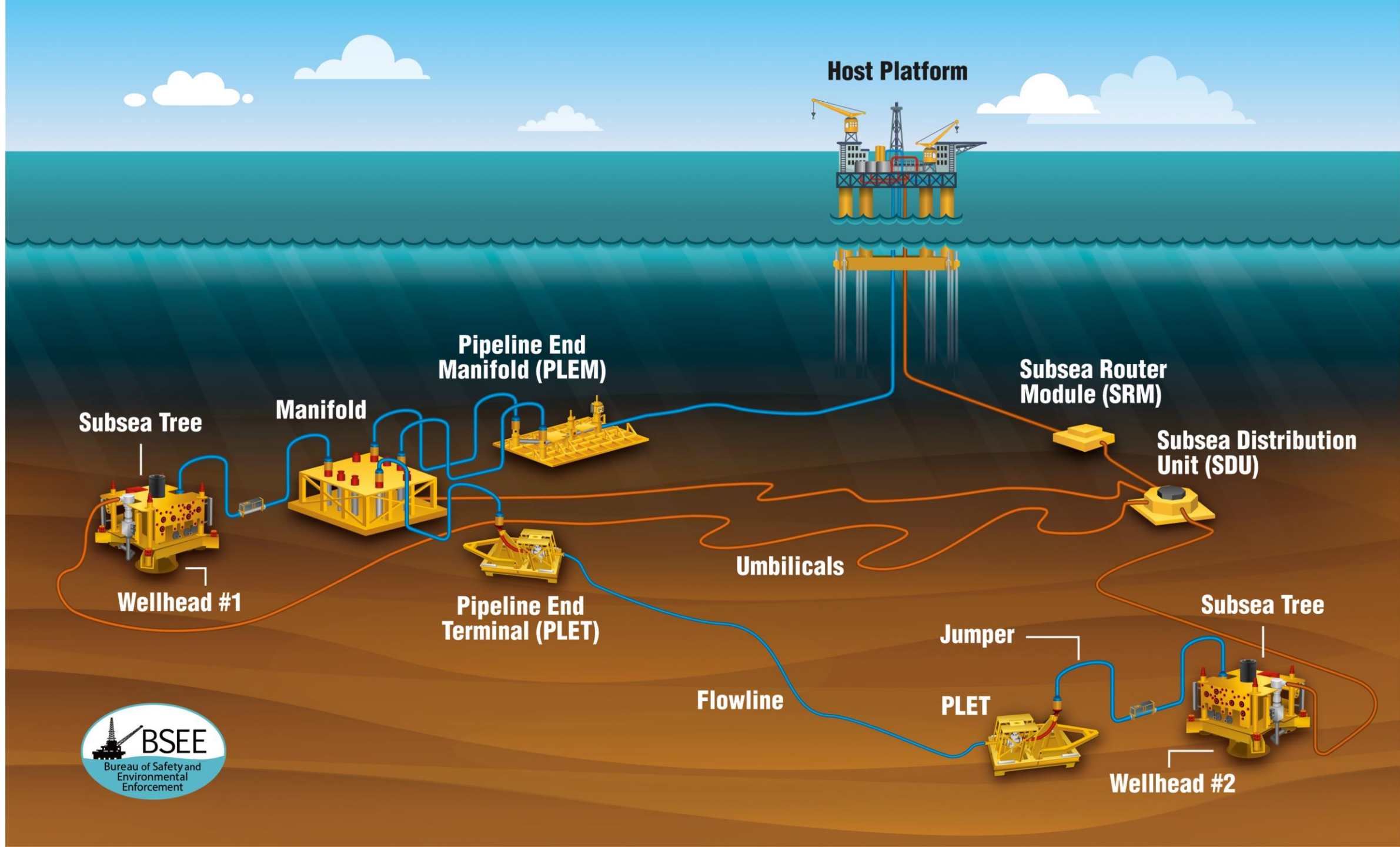
4

**WELL PLUGGING
AND ABANDONMENT**



5

**COMPLETION OF
DECOMMISSIONING**





Oil Spill Response Tactics



Aerial Igniter →

Dispersants

← Spotter Plane

In-situ Burning

Fire-resistant Oil Boom

Mechanical Recovery

This graphic depicts examples of offshore oil spill countermeasures. However, they are not implemented as closely as depicted. Greater separation is necessary to ensure responders are safely protected against exposure to dispersant droplets or smoke particles.

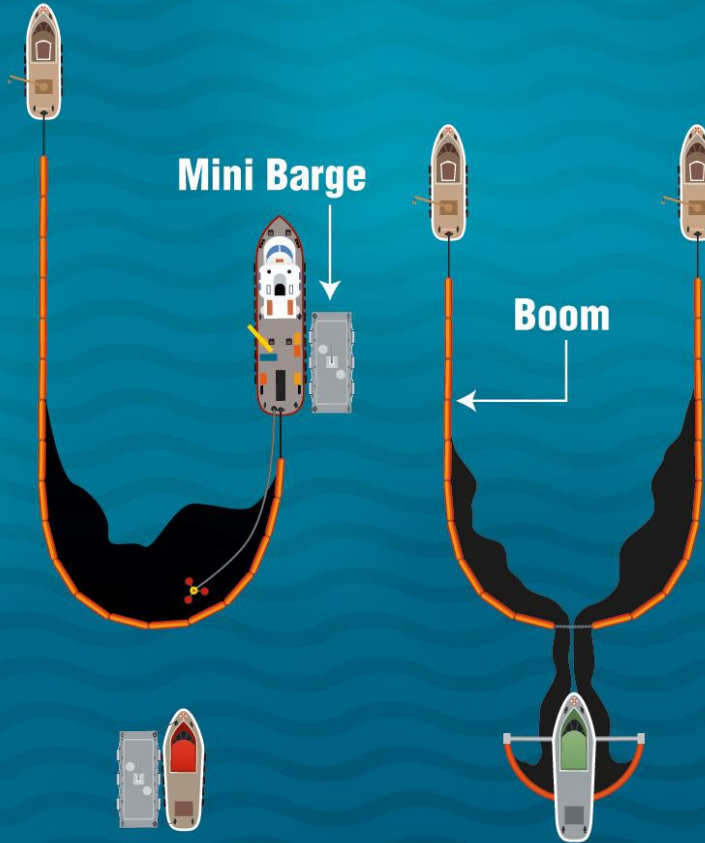


On-Water Recovery Task Force

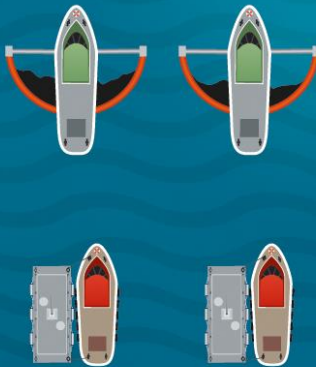
Aerial Remote Sensing/Monitoring Asset



J-boom and U-boom Configurations



Vessels with Sweeping Arm Skimmers



Towing Vessels with Temporary Storage



A task force within an Incident Command System can include different combinations of response assets to track, contain, collect and store spilled oil.

Large Storage Barge





Oil Spill Preparedness Analysts



Review Oil Spill Response Plans



Support the National Response System



Audit Industry Spill Training and Exercises



Conduct Government Initiated Unannounced Exercises



Inspect Response Equipment

Preparedness Verification

Photo: BSEE



Photo: BSEE



Photo: BSEE

Passage of the Oil Spill Act of 1990 led to . . .

- Designated responsible parties, requirements to operate, and penalties
- Incentivized the creation of a private oil spill response industry

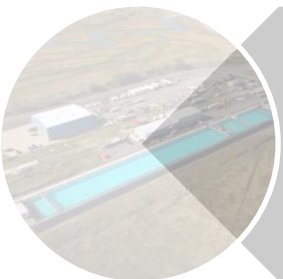




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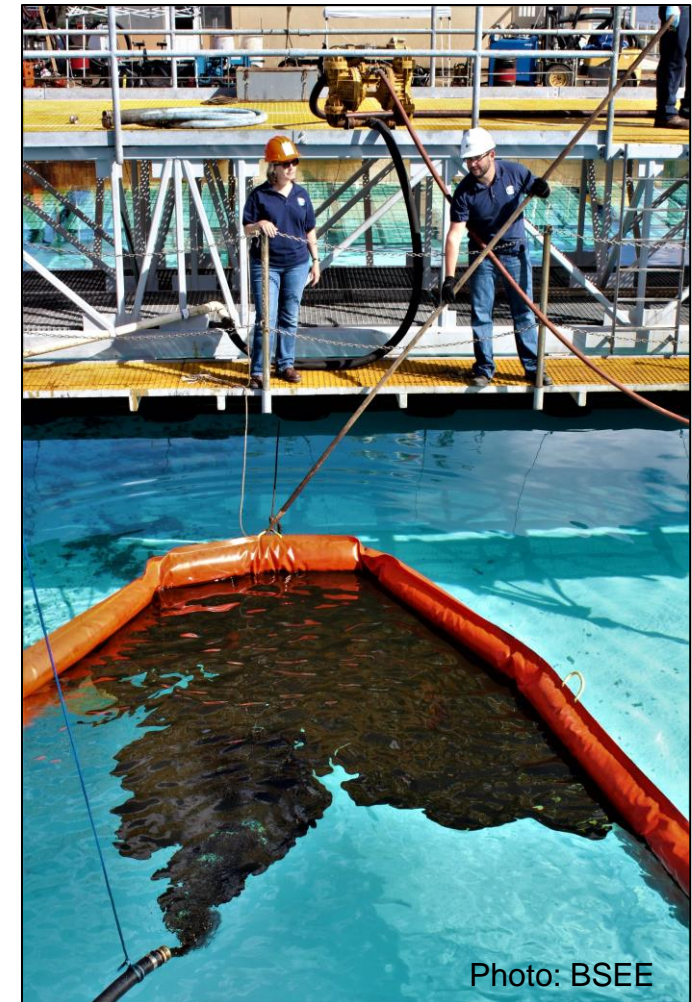
Oil Spill Response
Research



Ohmsett
Management

Main Research Areas

- Mechanical Cleanup
- Remote Sensing
- In situ Burning
- Shoreline Response
- Chemical Treatments
- Decision-making Tools





Preparedness
Verification



Oil Spill Response
Research



Ohmsett
Management



National Oil Spill Response Research and Renewable Energy Test Facility

Dimensions

203 meters long
20 meters wide
2.4 meters deep

Volume

9.8 million liters



Photo: BSEE



Photo: BSEE

Ohmsett supports experiments, equipment testing and spill response training.



Photo: BSEE

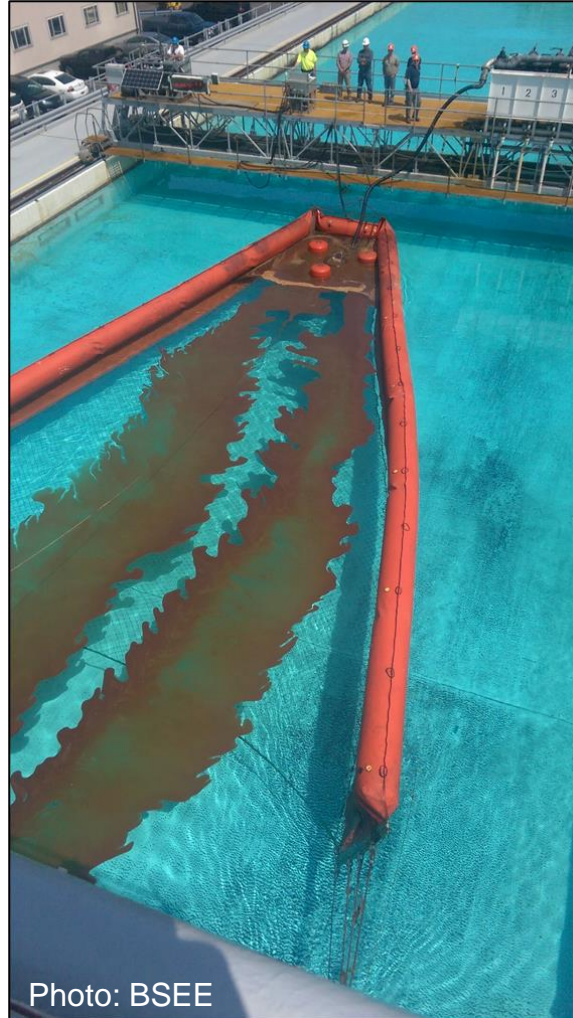


Photo: BSEE



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For more information visit:

<https://www.bsee.gov/what-we-do/oil-spill-preparedness>



Any Questions?

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BSEE Website: www.bsee.gov



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**Bureau of Safety and
Environmental Enforcement**



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