

Site Conditions at MC-20 are as follows:

- Water depth is approximately 470 feet.
- Water temperature at the site can be in the range of 32-40 degree F. As such, there may be potential for hydrate formation at this depth.
- Seafloor sediment near plumes is unconsolidated.
- Location of the primary plumes of interest incorporates an area approximately 40'x30'
- The primary plumes originate from a spot ~7' from the fallen jacket pilings.
- The plumes are believed to originate from the end of the conductor bundle, which is believed to be roughly parallel to the surface buried in ~60' of mud.
- There are significant currents which vary with depth in the water column, but virtually none at the sea floor. There are virtually no currents within the erosion pit.
- Visibility is nearly zero for the first 5 feet above the sea floor
- Oil flow at the source is estimated at hundreds of bbls of oil per day. The current federal position is the system needs to be capable of collecting a minimum of 250 bbls per day.
- API Gravity of source oil is ~21-38.

Any response proposal will be evaluated for its feasibility and sustainability in the above listed conditions. Additionally all vendors should consider the questions below:

1. What type of containment system would you design to capture the oil in the plumes? How long would it take to design, fabricate, and deploy this system?
2. Using this containment system, what type of storage system would you design to capture, temporarily store, dewater, and recover the oil recovered from the plume? How long would it take to design, fabricate, and deploy this system?
3. What type of system would you design to capture and destroy the oil collected on site? How long would it take to design, fabricate, and deploy this system?
4. What type of system would you design to contain and top-kill the oil and gas plumes emanating from the conductor bundles under the erosion pit? How long would it take to design, fabricate, and deploy this system?
5. Provide history of previous and successful application of each of the four proposed concept technologies listed above during past projects, and if applicable, testing/industry certification on proposed equipment.