

# Gulf Strike Team: Capabilities and Support Services

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## General Response Capabilities

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### **Site Safety**

- Site assessment and characterization
- Site Safety Plan development and enforcement
- Safety protocol development and implementation
- Supervise/monitor contractors
- Hazard identification and establishment of work zones
- Air monitoring for primary & secondary hazards
- Multi-media sampling (air, water, soil)
- Weather monitoring
- Emergency Medical Technician support/medical monitoring/medical countermeasures for responders
- Secondary device awareness
- Isolate contaminated areas & support efforts to deny entry to unauthorized personnel

### **Hazard Mitigation & Source Control**

- Level A, B, & C capabilities (full Hazmat team capable)
- Hazmat Entry, Backup and Decon
- Pre-staged equipment for threats of release
- Salvage contractor monitoring
- Safe salvage & transfer operations practices
- Vessel damage assessment and salvage and consultation

- Damage control assessment/assistance (railcars, containers, IMO tanks, tank trucks)
- Plugging/patching w/government owned/contracted equipment (and/or monitor contractors)
- Lightering/pumping w/government-owned/contracted equipment (and/or monitor contractors)
- Waste characterization, disposal advice and coordination

### **Incident Command System Support**

- Provide/support mobile command post for communications and response management operations
- Commanding Officers can serve as incident specific FOSC
- Serve as FOSC representative
- Incident Command/response management support
- Logistical support, management, and coordination
- Evidence collection support
- Resource/cost documentation
- Modeling/trajectory - provide and use for decision making

# Specialized Response Capabilities

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## **Biological Response**

- Personal Protective Equipment (PPE) to safely assess
- Mitigate, control, and remove hazards
- Site assessment and characterization
- Multi-media sampling (air, water, soil) for laboratory analysis
- Presumptive on-site field testing and analysis
- Testing for initial response actions

## **Chemical Response**

- PPE to safely assess
- Mitigate, control, and remove hazards
- Containment
- Knowledge of alternative response technologies and NCP approved products, and procedures
- Remote sensing (e.g. infrared camera)

## **Oil Spill Response**

- Dispersant use oversight & effectiveness monitoring (SMART)
- In-situ burn use oversight & effectiveness monitoring (SMART)
- Dewatering/de-ballasting w/government owned and contracted equipment
- Containment (open-water, near coastal, riverine, shoreline, tidal zone)
- Temporary storage of recovered oil/oiled waste
- Knowledge of alternative response technologies and NCP approved products, and procedures

- Vessel Damage Assessment and salvage consultation
- Remote sensing (e.g. infrared camera)
- Shoreline assessment with response and recovery recommendations
- Skimming operations w/government owned and contracted equipment
- Offshore containment w/government owned and contracted equipment

## **Radiological Response**

- Conduct CG Level II Radiation Response
- Detection of alpha, beta, gamma and neutron radiation
- Specific substance/nuclide identification via direct survey instruments, reach-back capabilities with appropriate resources
- Direct personnel monitoring, real-time dosimetry
- Dose rate monitoring
- Support lead agencies for radiological monitoring
- PPE to safely assess hazard, identify safe zones
- Site assessment from safe zone location or within TDS parameters
- Site Safety Plan development and enforcement with Department of Energy (DOE) or health physicists
- Response action management including time, distance, shielding protocols

## **Preparedness Support**

- Area Contingency Plan support
- FOSCR training seminar
- Cost documentation training
- PREP/AMSTEP exercise support
- Equipment deployment exercise support

# Gulf Strike Team: Equipment Capabilities

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## **General Response Equipment:**

- 48' Hazardous Material Response Trailer (HMRT)
- Hazardous Material Response ready load – Air Deployable
- Mobile Incident Command Posts
- 38' Command and Control Trailer
- Tractor/trailer units
- All terrain vehicles
- 26' Trailerable Aids to Navigation Boat (TANB)
- 18' John boats
- Flood Punts
- Level A, B, and C protective suits
- CBRN respiratory equipment (NIOSH approved)
- Closed-circuit Self Contained Breathing Apparatus - Rebreathers
- Confined space entry and egress gear
- Decontamination suites
- Drum handling equipment
- Chlorine Institute Emergency “A”, “B”, and “C” kits
- Generators (3.0 to 10.0 KW)
- Portable air compressors
- GPS units
- Photo/Video equipment
- Weather Pak MTR – portable on-site, real-time weather data
- SkyScan Lightning Detectors
- Heat stress monitors
- Laser Rangefinder – Binoculars
- Sound Meters

## **Hazardous Substance Monitoring/ Detecting Equipment:**

- MultiRAE - Multi-gas meters for toxic and explosive atmospheres
- AreaRAE - Networked remote atmospheric monitors
- DataFID LD - Portable Flame Ionization Detector (FID)
- Hazmat ID 360 – Enhanced portable chemical identifier
- First Defender RMX – Rapid identification of unknown chemicals
- Gas ID- Portable Gas & Vapor Identifier
- DataRAM 4 - Aerosol particulate monitor
- Hazard categorization kits
- Multi-media (air, soil, water) sampling gear
- WMD Sampling Kit
- SKC pumps

- Dräger Chip Management System (CMS)
- All necessary calibration equipment

**Chemical, Biological, Radiological & Nuclear Response Equipment:**

- ChemPro 100i - Field presumptive detection: chemical warfare agents (CWA)
- Dräger Civil Defense Set (CDS) Kit
  - Field presumptive detection of CWAs
- 256 Kit (DoD)
- M-8 / M-9 paper (DoD)
- Rapid Assessment Initial Detection Kits (RAID) - Field presumptive detection for biological agents
- PM 1703 GN Radiation pagers – Coast Guard Level II gamma and neutron radiation detection
- Thermo IdentifINDER U – Coast Guard Level II radiation isotope identifier
- Radiation Backpack – Coast Guard Level II gamma and neutron detection
- Ludlum 2241-3 – Detection of alpha, beta, and gamma radiation
- GammaRAE II – Intrinsically safe gamma radiation detection
- Neutron RAE II – Intrinsically safe gamma and neutron radiation detection
- TLD Badges – Personal radiation dosimeter which records total cumulative dose exposed over a year

**Oil Spill Response Equipment:**

- Vessel of Opportunity Skimming System (VOSS)
- Inflatable 45-inch boom (6,000 ft)
- Temporary Storage Devices (26,000 gallon Sea Slugs)
- C3 Fluorometer – Submersible monitor which detects effectiveness of SMART dispersant operations
- Ultra RAE 3000 – Handheld benzene compound-specific monitor
- Shoreline Assessment Clean-up Team (SCAT) Kits

**Damage Control Equipment:**

- Oil/Water interface meter
- Plugging and patching equipment

**Lightering and Pumping Equipment:**

- Submersible, high-capacity oil, chemical, and water pumps
- Non-submersible, diaphragm and peristaltic small / medium capacity oil, chemical, and water pumps
- Hydraulic prime movers & support equipment
- Viscous Oil Pumping System (VOPS)