

USCG National Strike Force Atlantic Strike Team Capabilities

January 2024



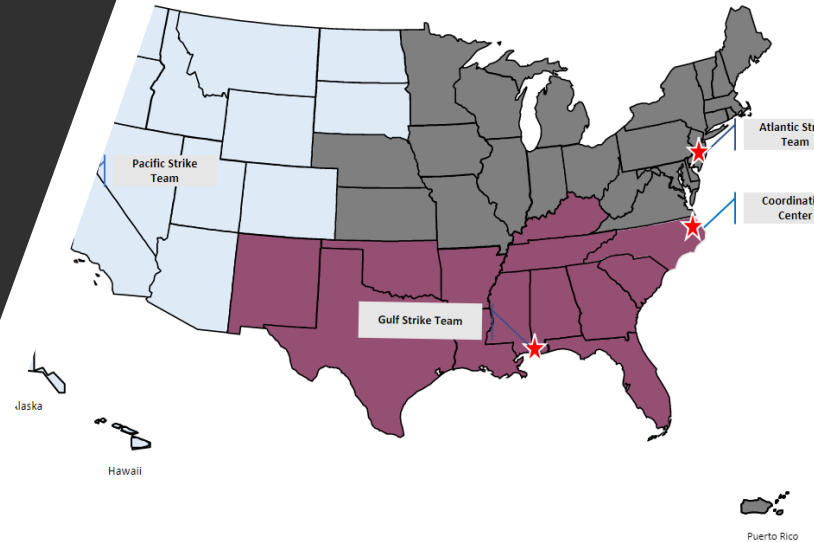


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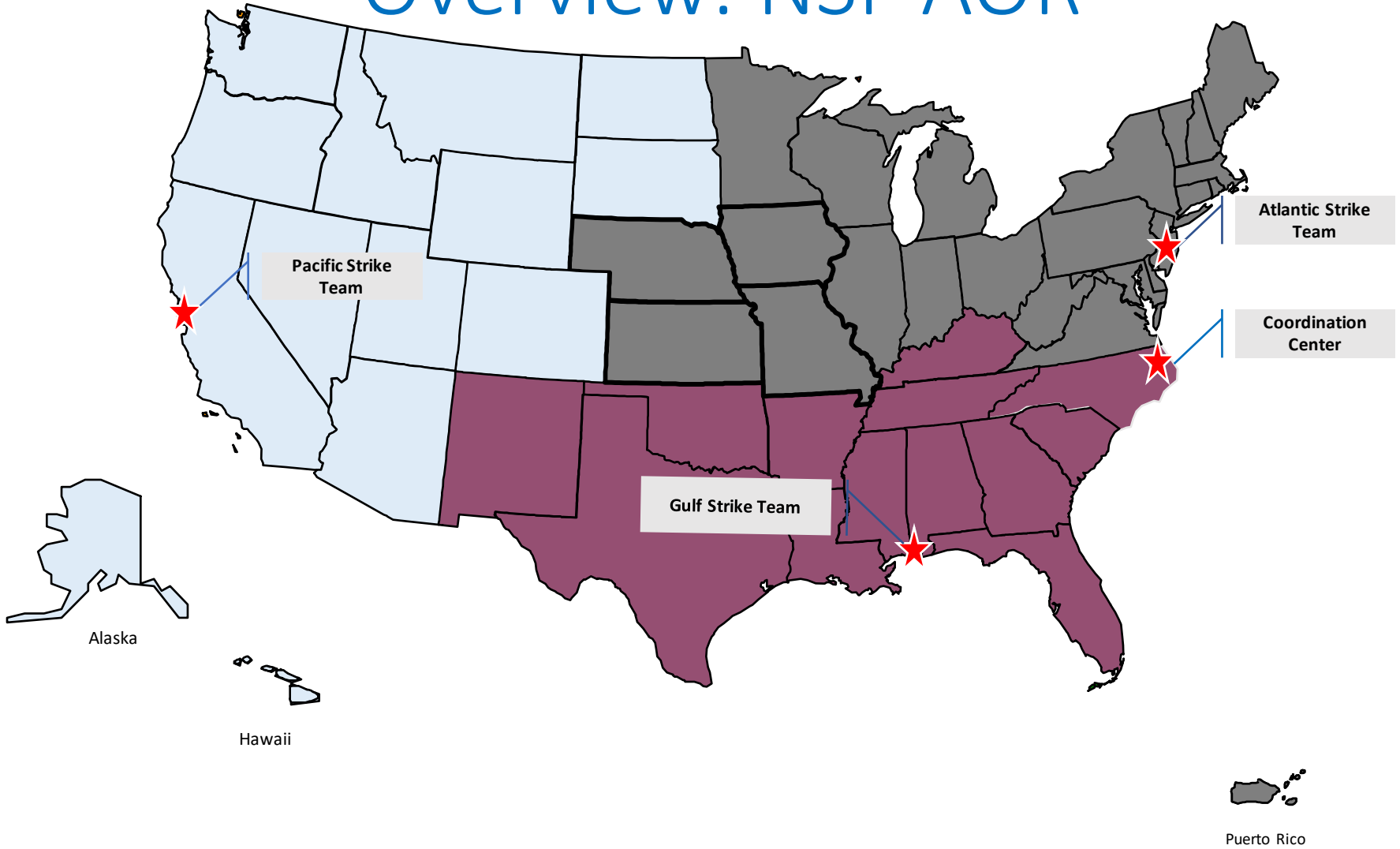
Overview: National Strike Force

- **Special Team** established in NCP
- **Equipped** to support OSCs and ICs during Oil, HAZMAT, CBRN, and WMD incidents with technical and ICS components
- **Capable** of responding to two Type I incidents simultaneously



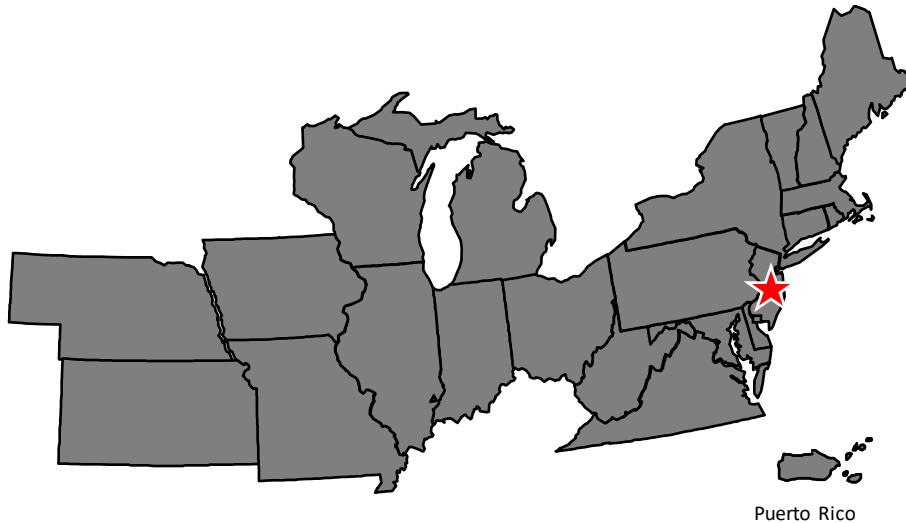


Overview: NSF AOR





Overview: National Strike Force Atlantic Strike Team



AOR:

- CG District 1, 5, 7, 8, 9
- EPA Region 1, 2, 3, 5, 7
- Puerto Rico & US Virgin Islands
- Internationally Africa, Mid East, Europe, E. Canada

Personnel:

- ▶ 87 Active, Reserve, Civilian, & Aux Members



Overview: National Strike Force

Qualifications

Response Officer

Response Supervisor

Response Technician

Response Member

Commercial Driver (CDL)

Coxswain and Crewman

Certified EMTs

ICS Qualifications DIVS to IC

FOSCR

Pollution Responder*

Unmanned Aerial Systems (UAS) Operator

Critical Incident Search and Rescue (CISAR)

Certified Industrial Hygienist



- Site Assessment
- Site Safety Plan Development, Assistance, Implementation, and Contractor oversight
- Air Monitoring
- SCAT
- SMART Protocol

Capabilities: Safety & Monitoring

Capabilities: HAZMAT Response

- Hazardous Materials Response Trailer (HMRT)
 - Supports 12-person HAZMAT Team for 48 hours without resupply
 - PPE (levels A/B/C)
 - Monitoring and identification equipment
 - Decontamination
 - Outfitted with an SCBA re-filling station



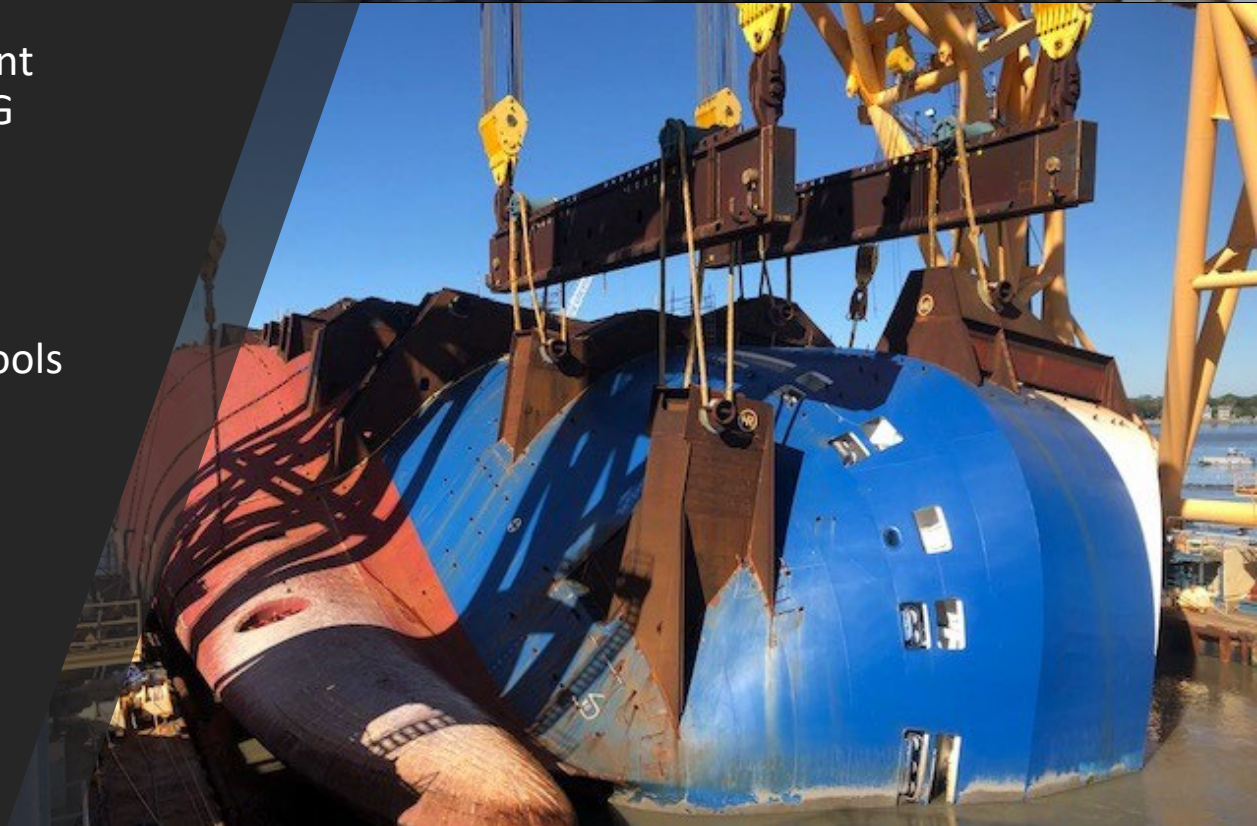
Capabilities: Response Support

- Command & Control (C2) Trailer
- 38 ft deployable command post
 - Wx monitoring
 - Telescoping camera system
 - MSA Accountability



Capabilities: Salvage & Lightering

- Contractor monitoring and oversight
- Vessel Damage Assessment in Consultation with USCG SERT
- Plugging/Patching & Lightering expertise
- Upgraded all mitigation tools including magnetic patch technology



Capabilities: CBRN Response

- Chemical/Biological/WMD
 - Level A, B, C capable
 - Hazard monitoring, Identification, characterization and disposal
 - Air monitoring
 - Confined Space Entry
 - Sampling (Analysis/Evidence)
- Radiation
 - Radiation Worker 5rem/yr
 - CG Level I/II
 - > 25,000 μrem
 - Isotope Identification
 - Reachback support



Capabilities: Pumping

- Submersible and non-submersible pumping equipment
 - Chemical
 - Oil
 - Viscous Oil and Sludges
 - Corrosives
 - water
- Large Pump Load includes:
 - CCN 150 which pumps 3,000 Gallons Per Minute



Capabilities: Decontamination

- Technical Decontamination
- Incorporating Electrostatic sprayers (Handheld and backpack)
- High-tech solutions
- Provide DECON for First Responders and VIPs
- Advise and Oversee Vessel & equip decontamination





Radiation Equipment

- Smith's Detection Rad Seeker Gama and Neutron
- Radioisotope detector and identifier
- Not intrinsically safe



Radiation Equipment

- FLIR Identifinder R300 Gama and Neutron
- Spectroscopic personal radiation device
- Not intrinsically safe

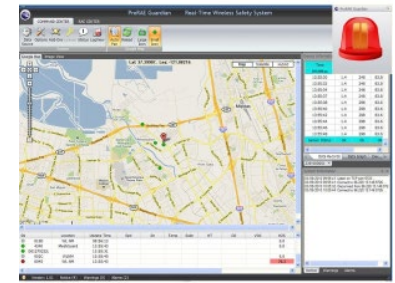


Radiation Equipment

- Thermo Scientific RadEye Alpha, Beta, Gamma, X-Ray
- Alarming dose rate and total dose meter
- Not intrinsically safe

Air Monitoring Equipment

- Safety Suite
- Integrated to VIPER with EPA ERT.
- 8 new AreaRAE Pro 2s Gamma & Weather
- 5 MultiRAE Pros
- 3 UltraRAE Benzene Specific monitors





Air Monitoring Equipment

- 8 TSI Dustrak 8535 Particulate Air Monitors.
- Primary role is to support In-Situ Burn particulate monitoring.
- Also integrated on EPA VIPER for interoperability.
- Replaced legacy Datarams.



Air Monitoring Equipment

- 4 new TVA 2020 Toxic Vapor Analyzers.
- Combination of Photo Ionization Detector (PID) and Flame Ionization Detector (FID).
- Provides a more streamlined entry team capability down range.

iRobots for Remote Monitoring

- 2 large iRobots and 4 small “Throw-in” iRobots
- Can mount air monitoring equipment for remote sensing/site assessment.
- Range 500 yards dependent on terrain/building construction. Bluetooth hopping with small robots.
- Outstanding tool for initial site characterization.



- **Case Studies:**

- Train Derailment - East Palestine, OH

- Boston Marathon EPA Assist - Boston, MA





National Strike Force

NSF 012-23 East Palestine Train Derailment

Update as of 28 February 2023



Overview:

- On February 3, 2023, a train derailed in East Palestine, OH, resulting in a large fire affecting numerous rail cars, including hazmat rail cars carrying vinyl chloride. Initially a shelter-in-place order was recommended, and firefighting efforts were stood down due to safety concerns; however, an evacuation order was enacted by the City of East Palestine. Authorities conducted a controlled burn of hazmat at the derailment site, and later allowed residents to return to their homes.
- EPA Region V OSC requested a five-member NSF team, consisting of one ASOFR and four air monitoring members, deploy to assist with 24 hr community air monitoring.
- EPA OSC requested an additional NSF ASOFR to provide oversight of contractors tasked with cleaning and testing residential homes and properties.



(Above) Removal of vinyl chloride contaminated soil for transport to disposal site.

(Below) This case is in support of EPA Region V On Scene Coordinator under the National Contingency Plan.



(Above) PO2 DeJesus-Vega performing maintenance on 1 of 8 RaeLink units networked for real-time air monitoring.

(Below) PO2 Layton maintaining 1 of 15 AreaRae's around East Palestine, OH.



Current Operations:

- On February 21st, EPA issued an order to Norfolk Southern to conduct and pay for all cleanup actions associated with the train derailment. This order marks the transition of the multi-agency response from “emergency phase” to a longer-term “remediation phase”.
- 05 AST personnel continue to assist EPA’s air monitoring operations, comprised of 16 AreaRae air monitoring stations and eight RaeLink repeater units placed around the community. Air monitoring data continues to be collected and uploaded to the Air Monitoring Data dashboard.
- To date, the EPA has conducted 574 home re-entry assessments. AST has deployed 01 ASOFR to provide contractor oversight during residential clean-up efforts.

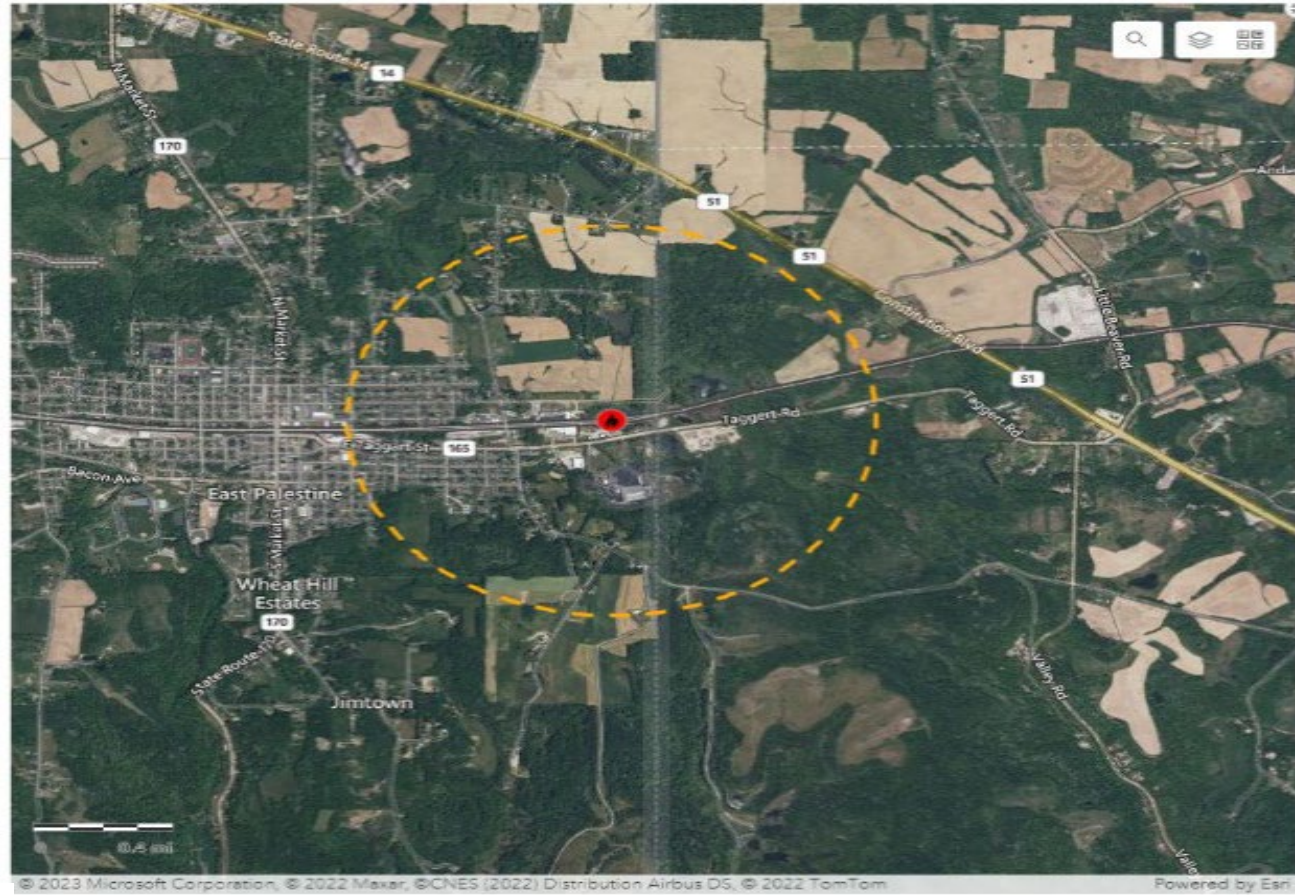
Map of East Palestine, Ohio Train Derailment Location and One-Mile Evacuation Zone

Legend

One Mile Evacuation Zone



Approximate Derailment Location



X 16



X 8



X 2

Case Summary

Boston Marathon EPA Assist

October 6 – 13, 2022



Overview:

On September 15, 2021, EPA Region I On Scene Coordinator (OSC) contacted CG Atlantic Strike Team (AST) Operations Officer requesting assistance in deployment of air monitoring equipment and continuous air monitoring operability. AST sent 03 AST personnel to assist EPA in deploying and maintaining approximately 48 AreaRae and ProRae Guardian units to conduct air monitoring throughout the day of the marathon on Monday October 11, 2021.



(Left) CG AST members and EPA ERT prepare AreaRae set-up at Staging Area at the Regional Fire Training Academy in Stow, MA



(Left) PO2 Josh Rice set-up AreaRae and ProRae Guardian with EPA ERT and EPA Region I START Contractor



(Right) Staging Area at the Regional Fire Training Academy in Stow, MA



(Above) PO2 Josh Rice and EPA Region I START Contractor set-up Air Monitoring Unit in Wellesley, MA

(Below) This case was in support of EPA Region I On Scene Coordinator under the National Contingency Plan.



Case Summary:

On October 6, 2021, AST deployed 03 members to assist EPA Region I operational teams with the deployment of air monitoring equipment and ensured connectivity with real-time data monitoring system at locations identified by the EPA On-Scene Coordinator (OSC) during the 2021 Boston Marathon.

AST members operated within assigned teams and designated area of responsibility to ensure continuous real-time operation and connectivity of air monitoring equipment. The deployment provided members with a unique, valuable opportunity to utilize training in a real-world environment. Members obtained expertise in air monitoring equipment and the VIPER system frequently used by other agencies.

EPA Region I anticipates the use of AST members during the Boston Marathon in the Spring of 2022.

UNCLAS/FOUO

Requesting Strike Team: Un-funded

01

Submit RFF requesting specific capability from NSF

02

LANT will filter request to appropriate NSF resource

03

Strike Team Operations Officer will work with your POC to coordinate specific needs to meet request and budget

Requesting Strike Team: Superfund

01

Call NRC
or
Call The Team direct

02

Request Strike Team in
your area

03

Strike Team will contact
your On-Scene
Coordinator
Representative to
coordinate specific needs
and sort out funding

National Strike Force Contact

Atlantic Strike Team

PH: (609) 724-0008 FAX: (609) 724-0232

Commanding Officer
USCG Atlantic Strike Team
5614 Doughboy Loop
Fort Dix, NJ 08640-0068



Gulf Strike Team

PH: (251) 441-6601 FAX: (251) 441-6610

Commanding Officer
USCG Gulf Strike Team
8501 Tanner Williams Rd.
Mobile, AL 36608-9690

Pacific Strike Team

PH: (415) 883-3311 FAX: (415) 883-7814

Commanding Officer
USCG Pacific Strike Team
Hangar 2, Hamilton Field
Novato, CA 94949-5082

National Strike Force Coordination Center and Public Information Assist Team

PH: (252) 331-6000 FAX: (252) 331-6012

Commanding Officer
USCG National Strike Force Coordination Center
1461 North Road St.
Elizabeth City, NC 27909

CG Incident Management Assist Team

PH: (757) 448-5572 FAX: (757) 852-3496

Commanding Officer
USCG Incident Management Assist Team
5505 Robin Hood Road, Suite K
Norfolk, VA 23513-2423