

Offshore Energy Sector Impacts Oil & Gas Workforce Focus COVID-19

Marine Board – Spring Meeting
May 12 – 13, 2020



How We've Prepared

- ▶ **Safety and Environmental Management Systems** that include **Emergency Response** and **Management of Change** are a key part of the industry
- ▶ **Industry regularly participates in exercises to test the system**
- ▶ **Lessons learned are incorporated after every event**

Oil and Natural Gas Industry Preparedness Handbook



April 2016

To learn more, please visit www.api.org

PANDEMIC PLANNING GUIDE

API GUIDANCE DOCUMENT 1180
FIRST EDITION, MARCH, 10 2016

- **The API Pandemic Planning Guide was developed during the Ebola outbreak in west Africa in 2016**
- **Members have been able to use the guide to assess their own plans or develop new plans**
- **The Guide reflects the industry's commitment to the safety of personnel and operations around the world**
- **The Guide incorporates lessons from Ebola, SARS, MERS, H1-N1, and other pandemics members have responded to around the world**

Industry coordination – Trades & Associations

- Understanding the needs and challenges the industry is facing as a result of:
 - Crisis
 - Operating conditions
 - Federal actions
 - State & local actions
- Communicating between trades/associations and the federal response community to provide timely, accurate and relevant information
- Informing federal, state, and local partners about the complexity of our industry, the unique needs, and the importance of sustaining the energy supply chain in a crisis

How We're Helping Today

- Working with federal partners to ensure oil and natural gas industry workers are designated essential
- Working with states to ensure state guidance aligns with CISA's
- Representing the industry to provide coordination and allow companies more time to respond

 CYBERSECURITY

 INFRASTRUCTURE SECURITY

 EMERGENCY COMMUNICATIONS

 NATIONAL RISK MANAGEMENT

 ABOUT CISA

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Critical Infrastructure Sectors

[Chemical Sector](#)

[Commercial Facilities Sector](#)

[Communications Sector](#)

[Critical Manufacturing Sector](#)

[Dams Sector](#)

[Defense Industrial Base Sector](#)

[Emergency Services Sector](#)

[Energy Sector](#)

[Financial Services Sector](#)

[Food and Agriculture Sector](#)

[Government Facilities Sector](#)

IDENTIFYING CRITICAL INFRASTRUCTURE DURING COVID-19

Original release date: March 18, 2020 | Last revised: April 17, 2020





The diagram shows 15 sectors of critical infrastructure arranged in a circular pattern around the central text "Essential Critical Infrastructure Workers". The sectors are: Chemical, Communications, Healthcare & Public Health, Transportation Systems, Information Technology, Water, Nuclear Reactors, Materials & Waste, Government Facilities, Financial, Energy, Emergency Services, Defense Industrial Base, Dams, and Commercial Facilities.



NOTE: This information was originally posted on March 19 and was updated on April 17.

How Industry is Responding

Where does API fit into members' operational response?

- API historically has helped industry benchmark their activities – “How do I compare with what others are doing?”
- Keeping in mind antitrust concerns, API has been facilitating this need through a blinded pulse survey that goes out to members weekly.
- Pulse Survey questions change weekly to reflect the current-state of response.

Sharing & Good Practices

Pulse Survey questions change weekly to reflect the current-state of response.

Initial Response – COVID-19 Pulse Survey:

- Point when companies went to all non-essential personnel started working remotely
- How members considered precautions for their essential workers
- Gauging availability of necessary PPE
- Gauging whether members were able to ensure the movement of their essential personnel after stay-at-home orders were enacted

Continued Response – COVID-19 Pulse Survey Evolution:

- How members are handling working remotely
- How members are planning for return to work
- Determining any needs that should be addressed with Federal & State partners
- Focus on looking ahead

Offshore Work

- Helicopter Transport Personnel / Boat Transport for Supplies
- 14/14, 21/21, 28/28 day shifts
- Galley and Quarters
- 24/7 Operation
- 80 to 90% of work by contractors

Industry Covid 19 Response & Mitigations

- Worker self-screening (before you go to work)
- Pre-travel screening (example: heliport)
- Marine & shore base screening
- Facility mitigations (offshore)



Offshore Operators Committee

Technology, Safety and Collaboration in Offshore Energy Development since 1948

www.theooc.org

What is Different this Time

- Worldwide Crisis
- Every Supply Chain Effected
- Business & Homelife & entire Society effected
- Level of Uncertainty
- Lack of Medical Understanding
- Level of interconnectivity and “just enough – just in time” resourcing to cope

How do we plan for and achieve true resilience in society today?

Industry Concerns

- Impact of societal responses on business responses
- Communication and coordination
- Information gathering, analysis, and reporting that delivers understanding of the risk profile of the virus offshore
- Sustainability of other external emergency response organizations
- Sustainability of the contract service providers
- Availability of PPE and testing – this has many components including supply chain, priority setting, priority guidelines, competing groups, and accurate and dependable information on what to acquire

Industry Concerns (cont'd)

- Planning uncertainty
- Critical staff access to facilities
- Staff anxiety including return to work anxiety
- Legal issues with medical questionnaires and defining risk categories
- How long can an operation be sustained with only critical staff – staff back up, fatigue and mental state, lack of maintenance resources, etc.
- Addressing inspections and audits

Potential Research Areas

- Remote operating capability including remote inspection, testing, auditing, and maintenance planning
- How to better plan for and prepare for major supply chain disruption
- Medical system resilience, robustness, and planning for Nation-wide crisis
- Information collection, analysis, and distribution during major crisis to enhance the response
- Enhanced planning and centralized decision making and information sharing when addressing Nation-wide crisis
- How to improve restoration planning
- How organizations and companies can plan more effectively and be more robust and resilient to major crisis
- Were Safety Management Systems that include Emergency Response planning and Management of Change effective in the crisis. Can they be more eff

Potential Additional Challenge

- Hurricane season is June 1 – November 30
- NOAA's official season predictions have not been released
- Sixteen named storms, including **eight hurricanes**, are forecast for the 2020 Atlantic hurricane season, according to early predictions released Thursday by [experts at Colorado State University](#).
- Four of the hurricanes will become major storms of Category 3 to 5, with sustained winds of at least 111 mph, the projections indicate for the season that runs from June 1 to November 30.
- The chance that **at least one major hurricane will make landfall** in 2020 along the US coastline is **69%**, compared with an average over the last century of 52%. There is a 95% chance -- the average is 84% -- that at least one hurricane this year will make landfall in the US.
- The last season with four or more major hurricanes was the record damage-causing year of 2017 that saw Hurricanes Harvey, Irma and Maria.

For more information....

API Pandemic Planning page - <https://www.api.org/news-policy-and-issues/pandemic-information>

CISA Coronavirus Portal - <https://www.cisa.gov/coronavirus>

FEMA Coronavirus Response - <https://www.fema.gov/coronavirus/>

OOC - <https://www.theooc.org/covid19>

LMOGA - <https://www.lmoga.com/policy-and-issues/covid-19>

IADC - <https://www.iadc.org/covid19-update/>

IOGP - <https://www.iogp.org/covid-19-updates/>

Oil and Natural Gas Industry Preparedness Handbook - <https://www.api.org/news-policy-and-issues/hurricane-information/oil-and-natural-gas-industry-preparednes>



Thank you

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