



CLEAN GULF

CONFERENCE & EXHIBITION

NOVEMBER 16-18, 2021
Henry B. Gonzalez Convention Center
San Antonio, TX

2021 ADVANCE PROGRAM

Celebrating
30
YEARS

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YOU'RE INVITED

As the Deputy Director of the Texas General Land Office, I would like to extend an invitation for you to join me in San Antonio, TX, to celebrate the 30th Anniversary of the CLEAN GULF Conference & Exhibition. We've waited 2 years to get together face-to-face, and we are grateful for the continued support of the spill prevention and response industry. We cannot wait to reunite this community and celebrate 30 years of CLEAN GULF!

Founded in 1991, CLEAN GULF serves the spill response industry in prevention, preparedness, and response. It gives response professionals a forum to come together with peers to discuss case studies and lessons-learned from both recent and past incidents and discover the latest technologies advancing prevention and response operations. Attendees will walk away with new strategies, solutions, and working relationships that will effectively arm them for future incidents.

This year's conference program will address important topics such as hurricane season and COVID-19's impacts, virtual emergency operations center (EOC) and digital toolbox use, employee stabilization in disaster to support business continuity, oil and gas industry responses to the COVID-19 pandemic, lessons-learned for virtual training and exercising, and much more.

We are very excited for the return of CLEAN GULF and to be hosting the 30th Anniversary in Texas, where it all started! I look forward to seeing you at the Henry B. Gonzalez Convention Center in San Antonio, November 16-18.

Best regards,



Jimmy A. Martinez
Deputy Director
Texas General Land Office

CO-HOSTED BY:



Texas General
Land Office



Louisiana Oil Spill
Coordinator's Office



Florida Department
of Environmental
Protection



Alabama Department
of Environmental
Management



Mississippi
Department of
Environmental Quality

CLEAN GULF 2021 PLANNING COMMITTEE

State Host: Jimmy Martinez, Deputy Director, Texas General Land Office

Rex Anderson, Senior Corporate Security Advisor, TC Energy

Ben Badon, Emergency Response Advisor, Hess Corporation

Angela Barrow, Global Enterprise Manager, Emergency Management, Chevron

Nick Benson, US EMPR & Crisis Management, Equinor

Annette Bisby, Principal, Crisis & Emergency Management, BHP

Victoria Broje, Sr. Emergency Response Scientist, Shell

Robert Chambers, President, Spill Control Association of America (SCAA)

Tom Coolbaugh, Program/Facility Manager, Applied
Research Associates, Inc. | Ohmsett

Jennifer Crouch, Principal CEM & Security — GOM, BHP

Cory Davis, CEO, CTEH, LLC

Cory Dilmore, Environmental Administrator, Florida
Department of Environmental Protection

Mike Drieu, GOM CEM Manager, Occidental Petroleum Corporation

T.J. Dunnahoe, Vice President, Stantec

Jim Elliott, Vice President, T&T Salvage, LLC

Cody Fisher, Chief Emergency Services Division, Mississippi
Department of Environmental Quality

Keely Fitzpatrick, Operations & Technology Leader,
Marine Spill Response Corporation

Nicole Franks, President, NJ Resources, Inc.

Nick Furnari, Emergency Preparedness & Response
Manager, Marine Well Containment Company

Val Garner, Senior Vice President of Operations,
Emergency Response & Training Solutions

Craig Kartye, Regional Director, Texas General Land Office

Stephen Kastensmidt, Emergency Management & Security
Team Lead, Enbridge Gas Transmission

Brent Koza, Regional Manager, TGLO

Lawrence Malizzi, Senior Manager, Ramboll

Pat Marshall, Preparedness and Prevention
Coordinator, Texas General Land Office

Angie Martin, Vice President, Heritage Environmental Services

Justin Mellen, Manager of Gulf Coast Operations, ConocoPhillips

Angie Morrow, Sr. Consultant, Cardno

Autumn Munkirs, Emergency Response Specialist-Plans, Phillips 66

Rhonda Murgatroyd, Managing Director, Wildlife Response Services, LLC

Eddie Murphy, Emergency Management Specialist, U.S. DOT PHMSA

Tim Nedwed, Principal for Oil Spill Response, ExxonMobil Corporation

JT Newman, President, E3 Environmental

Keith Nichols, Ecological Program Manager, CK Associates LLC

Alex Nunez, Pollution Biologist, Texas Parks & Wildlife

Kevin Palm, Business Development — Environmental, Cotton Logistics

Paul Panetta, Chief Scientist, Ohmsett

Frank Paskewich, President, Clean Gulf Associates

Bob Patterson, Managing Director, Witt O'Brien's

Stephen Pepper, Director, Crisis Management, Phillips 66

David Pertuz, Sr Emergency Response Specialist,
Shell Exploration & Production Company

Gary Petrae, Senior Preparedness Analyst, Bureau of
Safety and Environmental Enforcement (BSEE)

Emily Poe, Emergency Response Specialist, Phillips 66

Michael Roldan, Regional Director — Americas, Oil Spill Response Limited

James Shuler, Emergency Response Manager, Energy Transfer Partners

Robert Simmons, President, Environmental Science Services

Melissa Simpson, CCM/ER Oil Spill Advisor, bp GoM

Alfred Sly, Emergency Preparedness & Response
Advisor, ExxonMobil Corporation

D'Anne Stites, Compliance and Enforcement
Coordinator, Texas General Land Office

Elliot Taylor, Principal/Marine Scientist, Polaris Applied Science

Matthew Tilimon, Emergency Management Specialist,
U.S. Coast Guard Sector Houston-Galveston

Ed Turner, President, OMI

James Werner, Safety Manager, Kirby Inland Marine

Dustin White, Response Manager & Training Advisor, The Response Group

Christopher Wiatrek, Emergency Management, Texas
Commission on Environmental Quality (TCEQ)

We're ready to welcome you back in-person for the 30th annual CLEAN GULF Conference & Exhibition, taking place November 16-18 at the Henry B. Gonzalez Convention Center in San Antonio, TX. We've waited 2 years to get together face-to-face and we are grateful for the continued support of the spill prevention and response industry.

The CLEAN GULF Conference & Exhibition offers a forum for industry and government from North America and beyond to come together to network, build new relationships, and share best practices and new trends to improve readiness. Attendees will benefit from the opportunity to meet with their peers to discuss oil and hazardous materials spill challenges and maintain the strong networks they have built. Attendees will walk away from CLEAN GULF energized with new strategies, solutions and working relationships that will better prepare them for future incidents.

This year's event will host 20 sessions, 2 workshops, 100+ exhibitors, multiple networking breaks and an opening networking reception. Sessions will address important topics such as hurricane season and COVID-19's impacts, virtual emergency operations center (EOC) and digital toolbox use, employee stabilization in disaster to support business continuity, oil and gas industry responses to the COVID-19 pandemic, lessons-learned for virtual training and exercising, and much more.

NEED MORE REASONS TO ATTEND?

- ▶ CLEAN GULF brings together stakeholders from oil & gas, maritime, rail, environmental, regulatory agencies, oil spill response organizations and service companies in one venue to network and learn
- ▶ The exhibit hall is packed full of 100+ companies showcasing the latest technologies and services for prevention and response operations
- ▶ Wide-variety of educational and informative sessions delivered by a diverse group of experts from industry and government
- ▶ Abundant opportunities to network with your peers involved in all aspects of a response and discuss ways to improve what you do as emergency responders

ONLINE PLATFORM

All attendees will also have access to the online platform. The online platform will be open before, during, and after the live event, allowing you to connect with other CLEAN GULF attendees, exhibitors, sponsors and speakers.

Communicate with fellow attendees:

- ▶ AI recommended people to meet and connect with
- ▶ Advanced filters to help narrow your search
- ▶ View the entire attendee list and directly message anyone you want
- ▶ Book online meetings

Connect with exhibitors and sponsors:

- ▶ All exhibitors and sponsors of CLEAN GULF will have a profile inside the platform
- ▶ Send a direct message to any exhibitor or sponsor to start a chat
- ▶ Schedule an online meeting with any exhibitor or sponsor. This will be a "face-to-face" meeting over a video call.
- ▶ All exhibitors and sponsors will be available to connect with after the event is over. The online platform will stay open for months following CLEAN GULF

TUESDAY, NOVEMBER 16, 2021

8:00 AM – 6:00 PM	Exhibitor Move In		
8:00 AM – 12:00 PM	Workshop: Homeland Security Challenges including Terror Threats	Workshop: Oil Spill Response — Beyond the Basics	
12:00 PM – 6:00 PM	Registration Open		
	Track 1: Business Continuity	Track 3: Planning and Preparedness	Track 5: Research
1:30 PM – 3:00 PM	1A: Oil and Gas Industry Response to the COVID-19 Pandemic	3A: Data Management and the Common Operating Picture	5A: Response Research
3:30 PM – 5:00 PM	1B: Employee Stabilization in Disaster to Support Business Continuity	3B: Wildlife Preparedness: Policies, Considerations, and Guidance	5B: Oil Spill Research Facilities: Gaps and Needs

WEDNESDAY, NOVEMBER 17, 2021

7:30 AM – 6:30 PM	Registration Open		
8:30 AM – 10:00 AM	Welcome and Opening Keynote Panel: Critical Infrastructure Risk in the 21st Century: A Cyber Attack! (Open to All Attendees)		
10:00 AM – 6:30 PM	Exhibit Hall Open		
10:00 AM – 10:45 AM	Networking Break in the Exhibit Hall, sponsored by HWCG		
	Track 2: Response and Restoration	Track 3: Planning and Preparedness	Track 6: New and Advanced Response Tools and Techniques
10:45 AM – 12:15 PM	2C: The Challenges and Complexities of Maritime Hazardous Materials Response Operations		6C: Oil Spill Fate and Transport
12:15 PM – 1:30 PM	Lunch in the Exhibit Hall, sponsored by Liquid Frameworks		
1:30 PM – 3:00 PM	2D: Response and Restoration Case Studies	3D: Plans, Policies, and Procedures Updates	6D: Operational Dispersant Use
3:00 PM – 3:30 PM	Networking Break in the Exhibit Hall		
3:30 PM – 5:00 PM	2E: Worst-Case Discharge: Readiness and Capabilities		6E: Techniques and Approaches to Sharpen our Understanding Towards Shoreline Assessments
5:00 PM – 6:30 PM	Opening Reception in the Exhibit Hall (Open to All Attendees)		
5:30 PM	Balaena Demo and Margarita Bar		

THURSDAY, NOVEMBER 18, 2021

8:00 AM – 3:00 PM	Registration Open		
8:30 AM – 10:00 AM	State and Federal Updates (Open to All Attendees)		
10:00 AM – 1:30 PM	Exhibit Hall Open		
10:00 AM – 10:45 AM	Networking Break in the Exhibit Hall, sponsored by Boerger Pumps		
	Track 2: Response and Restoration	Track 4: Training and Exercise BMP	Track 7: Current Industry Concerns
10:45 AM – 12:15 PM	2F: Response in Times of COVID-19	4F: Virtual Emergency Operations Center (EOC) and Digital Toolbox	7F: Knowledge Management and Transfer
12:15 PM – 1:30 PM	Lunch in the Exhibit Hall		
1:30 PM – 3:00 PM	2G: Shoreline/All-Hazards Response	4G: Virtual Training and Exercising: Lessons Learned	7G: The Balancing Act: Company, Employees, Customers, Community
1:30 PM – 10:00 PM	Exhibitor Move Out		

CONFERENCE PROGRAM

WORKSHOPS

HOMELAND SECURITY CHALLENGES INCLUDING TERROR THREATS

TUESDAY, NOVEMBER 16 ▶ 8:00 AM – 12:00 PM

Registration fee:
complimentary, sponsored by



This workshop will present and discuss clear and present homeland threats and security issues, including:

- ▶ Risk management practices,
- ▶ Enhancing interagency interdependencies,
- ▶ Vulnerabilities for CBRNE incidents,
- ▶ Cybersecurity vulnerabilities,
- ▶ Border security challenges, and
- ▶ Consequence of failure

FACILITATOR: Joe Leonard (CDR U.S.C.G. Ret.), Principal Consultant, Penta Consortium, LLC

OIL SPILL RESPONSE — BEYOND THE BASICS

TUESDAY, NOVEMBER 16 ▶ 8:00 AM – 12:00 PM

Registration fee:
complimentary, sponsored by



This workshop will focus on the science and technology that supports effective oil spill response. Presentations will focus on specific spill response tools and investigate the basic considerations behind their use and application in the event of a spill. Participants will hear from members of the spill response community which includes practitioners, industry experts, and government and academic researchers.

INSTRUCTORS: Tom Coolbaugh, Program/Facility Manager, Applied Research Associates, Inc. | Ohmsett
Timothy Steffek, Sr. Policy Advisor Policy, American Petroleum Institute

GENERAL SESSIONS

WELCOME AND KEYNOTE PANEL

WEDNESDAY, NOVEMBER 17 ▶ 8:30 AM – 10:00 AM

This session is open to all attendees of CLEAN GULF

WELCOME

- Jimmy A. Martinez, Deputy Director, Texas General Land Office

KEYNOTE PANEL

Critical Infrastructure Risk in the 21st Century: A Cyber Attack!

The critical infrastructure supporting our ports and waterways were built for cost and efficiency. Systemic risks and emerging cyberattacks on Operational Technology (OT) are exposing unintended vulnerabilities that many struggle to address. Whether to prevent the next oil spill or to stay ahead of advanced attackers, robust crisis management planning is required. Join a distinguished panel of representatives from government and private industry as they discuss the very real risks to our environment and critical infrastructure that cyber-attacks pose to our ports and waterways.

STATE AND FEDERAL UPDATES

THURSDAY, NOVEMBER 18 ▶ 8:30 AM – 10:00 AM

This session is open to all attendees of CLEAN GULF

- Jimmy A. Martinez, Deputy Director, Texas General Land Office
- Cody Fisher P.E., BCEE, Chief Emergency Services Division, Mississippi Department of Environmental Quality
- Leroy Smith, Director, Division of Law Enforcement, Florida Department of Environmental Protection
- Capt. Ricardo Alonso, Chief, U.S. Coast Guard, Office of Marine Environmental Response Policy (CG-MER), Invited
- Bryan Rogers, Chief, Preparedness Verification Branch, Bureau of Safety and Environmental Enforcement (BSEE)
- Nicolas Brescia, Federal On Scene Coordinator, U.S. EPA, Region 6

TRACK 1: BUSINESS CONTINUITY IN DISASTER/CRISIS

1A: Oil and Gas Industry Response to the COVID-19 Pandemic

TUESDAY, NOVEMBER 16 ▶ 1:30 PM – 3:00 PM

The purpose of this session is to review the Oil & Gas industry COVID-19 pandemic response efforts and share best practices. The industry has been focused on ensuring the safety of its personnel and continuing operations despite the COVID-19 hazard. During these times, the road map to success has tested the limits of planning and organizational capabilities.

This session will be an examination of the preparation, response, and de-escalation lessons learned. In addition, there will be a review of the organization, plan structure, and business continuity efforts. This session will also discuss the value of peer companies and occupational health organizations for informational and level-setting purposes.

CHAIR: Ben Badon, Emergency Response Advisor, Hess Corporation
CO-CHAIR: Nick Furnari CEM, CBCP, Emergency Preparedness & Response Manager, Marine Well Containment Company

COVID-19 Overall Response Management

- Ben Badon, Emergency Response Advisor, Hess Corporation

Drills and Exercises during COVID-19

- Gil Martinez, Emergency Response Advisor, Murphy Exploration & Production Co.

Equipment Maintenance and Upkeep during COVID-19

- Mike Walker, VP Gulf Region, Marine Spill Response Corporation

1B: Employee Stabilization in Disaster to Support Business Continuity

TUESDAY, NOVEMBER 16 ▶ 3:30 PM – 5:00 PM

2020 will be recorded in history as a year of disaster. Whether the Global pandemic or the multitude of named storms in the Atlantic and Pacific Basins, there were challenges to the continuity of business in many locations. This session will highlight learnings from operators, OSROs, and disaster support contractors in a panel discussion format.

CHAIR: Stephen Pepper, Director, Crisis Management, Phillips 66

Leveraging Technology and Mass Communication to Support Employee Accountability in Disaster Areas with Limited Infrastructure

- Autumn Munkirs, Emergency Response Specialist-Plans, Phillips 66

Employee Stabilization and Recovery in Support of Business Continuity

- Jamie Beck, Senior Project Manager, TERP, Center for Toxicology & Environmental Health (CTEH), LLC

Employee Support and Cascading Crews to Support Readiness and Continuity of Operations During the Challenges of COVID-19 and Numerous Hurricanes

- John Swift, Vice President, Marine Spill Response Corporation

TRACK 2: RESPONSE AND RESTORATION

2C: The Challenges and Complexities of Maritime Hazardous Materials Response Operations

WEDNESDAY, NOVEMBER 17 ▶ 10:45 AM – 12:15 PM

This session will present the challenges and complexities of responding to hazardous material incidents in the maritime domain. Lessons learned from the U.S. Coast Guard's offshore hazardous materials response initiative and several recent salvage and marine firefighting case studies will be presented, including containership fires involving undeclared hazardous materials, salvage and shipwreck removal operations requiring hazmat operations with self-contained breathing apparatus entries, and the recovery of a high-benzene cargo from a sunken tank barge using a diver-directed "hot-tap" system. The U.S. hazardous materials response regulatory framework, operational best practices, interagency/industry coordination, and recommendations for policy and procedural improvements will also be presented.

CHAIR: Rebecca Garcia-Malone, Education Chair, American Salvage Association

CO-CHAIR: Forest Willis, Incident Manager, U.S. Coast Guard 7th District

Maritime Hazardous Materials Response Operations: Lessons Learned and Best Practices

- Jim Elliott, Chief Operating Officer, T&T Salvage, LLC and Rick Francis, Lead Firefighter, Teichman Group

Offshore HAZMAT Response: The "Too Hard" Locker?

- Rich Lavigne (USCG LCDR, Ret.), District Response Advisory Team Supervisor, U.S. Coast Guard 7th District and Robert Dietrich, Technological Hazards Manager, Florida Division of Emergency Management

MV CHESHIRE Hazardous Material Response: A Precedent Setting Event Involving Macro Chemistry, International at Sea Response and Innovative Salvage Techniques

- Aaron Jozsef, Manager, QHSE, Resolve Marine Group

Hurricane Michael Case Study: Post-Hurricane Environmental Mitigation

- Kyle Watson, Director of Casualty Response, Global Diving & Salvage, Inc.

2D: Response and Restoration Case Studies

WEDNESDAY, NOVEMBER 17 ▶ 1:30 PM – 3:00 PM

Case studies offer an opportunity to learn from real-life events and in turn, inform future responses. This session contains a variety of case studies that deal with issues ranging from capsized shipwrecks and restoration in dangerous waters to response incident management after a major hurricane event.

CHAIR: Nick Benson DPNA US SSU UOF, US EMPR & Crisis Management, Equinor Natural Gas, LLC

CO-CHAIR: Josh Dubach, EHS Advisor, Occidental Petroleum Corporation

MV X-Press Pearl Response off Sri Lanka

- Matt Simmons, Operations Manager, Oil Spill Response USA Inc.

Case Study: Navigating a Barrier Island Cleanup amongst Drug Cartels and Unlabeled Explosives

- TJ Engstrom, Director Emergency Services, Clean Harbors

Bahamas Hurricane Response Incident Management

- Nick Benson DPNA US SSU UOF, US EMPR & Crisis Management, Equinor Natural Gas, LLC

2E: Worst-Case Discharge: Readiness and Capabilities

WEDNESDAY, NOVEMBER 17 ▶ 3:30 PM – 5:00 PM

More than 10 years after MC-252, evaluating our readiness and capabilities for a worst-case discharge remains necessary and requires ongoing analysis. The speakers will approach this analysis through the lens of the Bureau of Safety and Environmental Enforcement (BSEE), the U.S. Coast Guard, the National Academy of Sciences, and the National Offshore Safety Advisory Committee (NOSAC). BSEE and the USCG have direct responsibility for planning and oversight for large-scale offshore oil and gas well responses, while the National Academy of Sciences provides technical expertise and advice throughout the U.S. government. Lastly, NOSAC provides advice to the Department of Homeland Security on matters relating to activities directly involved with, or in support of, the exploration of offshore mineral and energy resources within the jurisdiction of the Coast Guard.

CHAIR: Mike Drieu, GOM CEM Manager, Occidental Petroleum Corporation
CO-CHAIR: Frank Paskewich, President, Clean Gulf Associates

Concept of Operations to a Worst-Case Discharge

- Gabrielle McGrath, Senior Scientist/Senior Project Manager, RPS North America and Bryan Rogers, Chief, Preparedness Verification Branch, Bureau of Safety and Environmental Enforcement (BSEE)

Enhancing Resilience to Oil Disasters in the Gulf of Mexico

- Jim Pettigrew Capt. U.S. Navy, Retired, Director, Gulf Offshore Energy Safety Board, National Academy of Sciences, Invited

Environmental Response Issues of the National Offshore Safety Advisory Committee (NOSAC)

- Lincoln Stroh (Captain U.S.C.G. Retired), Vice President, Safety and Environmental Management, J. Connor Consulting, Inc.

2F: Response in Times of COVID-19

THURSDAY, NOVEMBER 18 ▶ 10:45 AM – 12:15 PM

This session will present case studies of responses that implemented added safety measures due to COVID-19. The session will use examples from government and industry to share lessons learned and to recommend good practices. COVID-19 has presented planning and response challenges not previously envisaged. These challenges and those of future pandemics must be successfully overcome. Our success will require proper forethought and early deliberate planning. Come join us to hear how government and industry experts successfully met the challenges of conducting a response in times of COVID-19.

CHAIR: Angela Barrow, Global Enterprise Manager, Emergency Management, Chevron
CO-CHAIR: Michael Roldan, Regional Director — Americas, Oil Spill Response USA Inc.

Hurricane Response during the COVID-19 Pandemic

- LCDR Kasey Arguelles, Deputy, Field Operations Branch Chief, U.S. Coast Guard

2021 Richmond Refinery Response

- Matthew Johnson, HES Team Lead, Chevron

COVID Measures in Recent International Incidents

- Audrey Moore, Oil Spill Response USA Inc.

2G: Shoreline/All-Hazards Response

THURSDAY, NOVEMBER 18 ▶ 1:30 PM – 3:00 PM

Shoreline response requires a balance of safety, environmental, and socio-economic considerations for proper implementation. Best practices continue to evolve in shoreline response and associated guidance. This session will highlight recommended practices and guidelines for shoreline and onshore response with examples of management and decision tools, and case studies.

CHAIR: Elliot Taylor, Principal/Marine Scientist, Polaris Applied Science
CO-CHAIR: Ed Turner, President, OMI

Mobilization and Activation of an Integrated Shoreline Response Program (SRP)/Shoreline Cleanup Assessment Technique (SCAT) Program in the Incident Command System (ICS)

- Ed Owens, Consulting Scientist, Owens Coastal Consultants, Richard Santner, Crisis Capability Senior Manager, BP International, and Scott Neuhauser, Oil Spill Response Advisor, BP

A Decision Support Tool for Shoreline Response Options

- Elliott Taylor, Principal/Marine Scientist, Polaris Applied Science and Edward Owens, President, Owens Coastal Consultants

Firefighting Foam Challenges

- Stephen Pepper, Director, Crisis Management, Phillips 66

TRACK 3: PLANNING AND PREPAREDNESS

3A: Data Management and the Common Operating Picture

TUESDAY, NOVEMBER 16 ▶ 1:30 PM – 3:00 PM

Effective real time management of relevant data and a properly utilized common operating picture (COP) is an essential and integral part in today's incident management. Our experienced panel will discuss the relevance of COPs to incident situational awareness, present examples of successful data management, and share best practices of COPs used in both exercise environments and incidents.

CHAIR: Bob Patterson, Managing Director, Witt O'Brien's

The Importance of Effective Situational Awareness and the Role of the Common Operating Picture in Today's Incident Responses

- Jeff Berg, Director Plans, Audits & Systems, The Response Group

Data Management Implications in a Virtual and Quasi-Virtual Response Environment and Data Management Best Practices

- Maria Hartley Ph.D., Technical Lead, Enterprise Emergency Management, Chevron

3B: Wildlife Preparedness: Policies, Considerations, and Guidance

TUESDAY, NOVEMBER 16 ▶ 3:30 PM – 5:00 PM

Guidance to develop an effective wildlife response requires informed planning and preparedness in multiple resource areas. This session will cover policy updates and guidance as well as best practices for planning for and implementing various activities pre and post response. The presentations will be followed by a panel discussion with the speakers.

CHAIR: Rhonda Murgatroyd, Managing Director, Wildlife Response Services, LLC
CO-CHAIR: J. Jill Heatley DVM MS DABVP (Avian) DACZM, Associate Professor, Zoological Medicine College of Veterinary Medicine, Texas A&M University
MODERATOR: Andy Tirpak, Principal, A To Sea Environmental

MBTA and the M-Opinion: What it Means to Spill Response

- Alex Nunez, Pollution Biologist, Texas Parks and Wildlife and Barry Forsythe, National Spill Response Coordinator, U.S. Fish and Wildlife Service

Pre-identifying Oiled Wildlife Response Facilities Prior to an Event

- Carly Costello, Operations Coordinator and Michelle Knapp, Oil Programs Manager, Tri-State Bird Rescue & Research, Inc.

Post-Release Survival of Rehabilitated Oiled Birds — What Do We know from Post-Release Monitoring?

- Rebecca Duerr, Director of Research and Veterinary Science, International Bird Rescue

3D: Plans, Policies, and Procedures Updates

WEDNESDAY, NOVEMBER 17 ▶ 1:30 PM – 3:00 PM

Good plans, policies, and procedures ensure we are prepared and set the foundation for an effective response. This session will discuss significant changes to various plans, policies, and procedures that affect the response and preparedness communities.

CHAIR: Emily Anderson, Emergency Response Specialist-Global Tier II/III IMAT Coordinator, Phillips 66
CO-CHAIR: Val Garner, Senior Vice President of Operations, ERTS (Emergency Response & Training Solutions)

BSEE/USCG Offshore Worse Case Discharge Project

- Gabrielle McGrath, Senior Scientist/Senior Project Manager, RPS North America

Regional Wildlife Response Plan

- Paige Doelling Ph.D., Scientific Support Coordinator, NOAA/NOS/ORR/ERD, Invited and Alex Nunez, Pollution Biologist, Texas Parks and Wildlife

TRACK 4: TRAINING AND EXERCISES BEST MANAGEMENT PRACTICES

4F: Virtual Emergency Operations Center (EOC) and Digital Toolbox

THURSDAY, NOVEMBER 18 ▶ 10:45 AM – 12:15 PM

Make the most of your Virtual EOC. Virtual EOCs allow for world-wide incident management engagement while integrating phone apps and remote digital data collection. As technological advancements continue to evolve the Incident Management Digital Toolbox, we have a better answer to the question, “Who has to be in-person?”

CHAIR: Stephen Kastensmidt CEM, CPEA, Emergency Management & Security Team Lead, Enbridge Gas Transmission
CO-CHAIR: Justin Mellen, Crisis Management & Emergency Response Consultant, ConocoPhillips

Using Virtual Capabilities to Enhance Response Options

- Heather Stanga, Emergency Response Consultant, ConocoPhillips

Software Technology for the Virtual Command Post

- Kenny Rhame, CIO, The Response Group

The Promising Future for Hybrid, Brick-and-Mortar, and Virtual EOC Operations

- Sean Griffin, CEO/Co-Founder, Disaster Tech

4G: Virtual Training and Exercising: Lessons Learned

THURSDAY, NOVEMBER 18 ▶ 1:30 PM – 3:00 PM

Since the start of the COVID-19 pandemic, the incident management industry has revolutionized the way we train, practice and respond to incidents. Industry has had to rethink the approach around these key components that are important to meet regulatory requirements and maintain our license to operate. As an industry, we've had to be flexible, adapt, and transition to fully virtual or hybrid models that utilize a combination of in-person responders supplemented by remote personnel. Using new collaboration and meeting applications, we've built Virtual Incident Command Posts (VICPs) in which to operate and leverage expertise irrespective of physical location. Many such events have now been successfully conducted in spite of the challenges we've faced. Preparedness is now just a click away as innovative approaches have been taken to conducting training, exercises, and even for responding to real events. Come join us and listen to industry's recent lessons learned around virtual training and VICPs since the start of the global pandemic

CHAIR: Nicole Franks, President, NJ Resources, Inc.
CO-CHAIR: Melissa Simpson, CCM/ER Oil Spill Advisor, bp GoM

Case Study-Phillips 66 2020 Northern California Virtual

- Allyson Purcell, Sr. Emergency Response Consultant, Phillips 66

Moving Forward with Virtual and Hybrid Response

- Dustin White, Response Manager & Training Advisor, The Response Group

Improving Response Readiness Through Virtual Training

- Mark Matthews, Training & Compliance Manager, Clean Gulf Associates

Tips, Tricks, and Lessons Learned from a Virtual Exercise Incident Command Post (ICP)

- Paul Galloway, Sr. Emergency Management Specialist, Chevron U.S.A. Inc.

TRACK 5: RESEARCH

5A: Response Research

TUESDAY, NOVEMBER 16 ▶ 1:30 PM – 3:00 PM

Effective oil spill response is based on the results of scientific research. This session will provide a brief overview of a few specific research and development projects that demonstrate how science informs response and the decision-making process.

CHAIR: Brent Koza, Regional Manager, Texas General Land Office

Direct Measurement of In-Situ Burn (ISB) Rate and Efficiency from ROV Platforms and Aerial Cameras

- Paul Panetta Ph.D., Chief Scientist, Ohmsett

The Evaluation of Surface Washing Agents for Applications Potentially Affecting Texas Environments

- Tim Gunter, Director, National Spill Control School - Texas A&M University Corpus Christi

Design, Fabrication, Installation and Performance of a Water Spray Wave Tank Containment System

- Grant Coolbaugh, Sr. Mechanical Engineer, Applied Research Associates, Inc. | Ohmsett

5B: Oil Spill Research Facilities: Gaps and Needs

TUESDAY, NOVEMBER 16 ▶ 3:30 PM – 5:00 PM

To serve the need of the oil-spill response community, there are many major facilities around the world for oil-spill research, testing, and training. Each of these facilities has its own uniqueness in its design, capacity, capabilities, and operational expertise; together they offer a wide spectrum of research, testing, and training capabilities that serve the growing global need for better regulations, practices, and developing response techniques to support sustainable development and environmental stewardship.

This session will gather the interested parties and stakeholders to share and discuss facility capabilities and community needs to help better serve the spill response community. The presentations will be followed by a panel discussion with the speakers.

CHAIR: Paul Panetta Ph.D., Chief Scientist, Ohmsett

MODERATOR: Feiyue Wang Ph.D., B. Sc, Professor & Canada Research Chair, Centre for Earth Observation Science, University of Manitoba

Churchill Marine Observatory—Oil in Sea Ice Mesocosm Facility Capabilities

- Feiyue Wang Ph.D., B. Sc, Professor & Canada Research Chair, Centre for Earth Observation Science, University of Manitoba

CRREL Oil Spill Response R&D Facility Capabilities

- Nathan Lamie, Code 4 Supervisor, Oil and Environmental Group, USACE Cold Regions Research and Engineering Lab

SL Ross Oil Spill Response R&D Facility Capabilities

- David Cooper P.Eng., Sr. Project Manager, SL Ross Environmental Research Ltd, Invited

Ohmsett Oil Spill Response R&D Facility Capabilities

- Paul Panetta Ph.D., Chief Scientist and Tom Coolbaugh, Program/Facility Manager, Applied Research Associates, Inc. | Ohmsett

TRACK 6: NEW AND ADVANCED RESPONSE TOOLS AND TECHNIQUES

6C: Oil Spill Fate and Transport

WEDNESDAY, NOVEMBER 17 ▶ 10:45 AM – 12:15 PM

Speakers in this session will provide their insights on recent developments with response tools and techniques. Industry and government groups continue to put significant effort into improving existing understanding and identifying and advancing new tools. Specifically, speakers will describe new developments in trajectory modeling, unmanned vehicles, and remote detection.

CHAIR: Tim Nedwed, Principal for Oil Spill Response, ExxonMobil Corporation

Spatial Distribution and Weathering of Oil at the Sea Surface Due to Waves and Wind

- Michel Boufadel, Professor, New Jersey Institute of Technology

Estimation of Minimum Oil Slick Detection Area using RADARSAT-1/2

- Gordon Staples, Senior R&D Scientist/Project Manager, MDA

Remote Sensing using an Unmanned Jet Ski

- Tim Nedwed, Principle for Oil Spill Response, ExxonMobil Corporation

6D: Operational Dispersant Use

WEDNESDAY, NOVEMBER 17 ▶ 1:30 PM – 3:00 PM

Surface and subsea dispersants use is an important response tool especially for large offshore oil spills. An oil spill can have a negative impact on marine environments as well as the health of responders involved in source control and oil spill recovery. This session will discuss numerical modeling as well as field measurements associated with the use of subsea dispersants during the Deepwater Horizon response. It will also present a new test method allowing to rapidly access effectiveness of surface dispersants in the field. Information about effectiveness and effects of surface and subsea dispersants is critical for informed decision-making aiming to protect human health and ecological resources at risk during an oil spill.

CHAIR: Victoria Broje Ph.D., Sr. Emergency Response Scientist, Shell

Effectiveness of Subsea Dispersant Injection During the Deepwater Horizon Oil Spill

- Deborah French-McCay, Director, Research and Model Development, RPS Ocean Science

Macondo 2010: How Dispersants Protected Responders from VOC Exposure

- Tim Nedwed, Principal for Oil Spill Response, ExxonMobil Corporation

Rapid Field Test to Evaluate Slick Dispersibility

- Victoria Broje Ph.D., Sr. Emergency Response Scientist, Shell

6E: Techniques and Approaches to Sharpen our Understanding Towards Shoreline Assessments

WEDNESDAY, NOVEMBER 17 3:30 PM – 5:00 PM

There is continued discussion on each incident regarding shoreline assessments related to shoreline types, oiling categories, coverage, perceived injury and recovery, the use of SCAT information, and other tools to forecast the shoreline ecological condition. This session cannot address all the techniques and approaches, but will provide relevant information for consideration in the next shoreline assessment.

CHAIR: Keith Nichols, Ecological Program Manager, CK Associates LLC

SCATImage: A New Tool to Improve Interpretation of Oiled Shoreline Aerial Observations and Remote Sensing Images

- Christian Haselwimmer, Remote Sensing Principal Technical Consultant, Chevron Energy Technology Company and Ed Owens, Consulting Scientist, Owens Coastal Consultants

Incident Involving Marsh Shoreline and Recovery

- Brian Reilly, Senior Scientist, CK Associates LLC

Twenty-Five Years of Oil Behavior and Shorelines: A Look Back

- Bea Stong, Environmental Health and Safety Consultant, C-Suite Risk Advisors

TRACK 7: CURRENT INDUSTRY CONCERNS

7F: Knowledge Management and Transfer

THURSDAY, NOVEMBER 18 10:45 AM – 12:15 PM

A number of veterans in the Oil Spill Response industry have recently or will be retiring in the near future. This panel includes representatives from industry, government, and the private sector who collectively have multiple decades of experience. They will discuss how to transfer knowledge to the next generation, and offer valuable insight into Oil Spill Response.

CHAIR: Angie Morrow, Sr. Consultant, Cardno

MODERATOR: Tom Coolbaugh, Program/Facility Manager, Applied Research Associates, Inc. | Ohmsett

PANELISTS:

- Daryl Brister, President, Shea Capability & Compliance Solutions
- Marty Cramer, Principal Consultant, Cramer Preparedness and Response, LLC.
- Charlie Henry, Director, NOAA—Office of Response & Restoration, Invited
- Jeff Davis, Oil Spill Response Officer, Texas General Land Office

7G: The Balancing Act: Company, Employees, Customers, Community

THURSDAY, NOVEMBER 18 1:30 PM – 3:00 PM

Our industry is tracking many challenges for today and tomorrow. Past Clean Gulf sessions have focused on workforce attraction, retention, and development. This session will look at the balancing act each company faces with agendas, and how to ensure we balance the need of each for our companies, employees, customers, and community.

CHAIR: Robert Chambers, Immediate Past President, Spill Control Association of America (SCAA)

MODERATOR: Lawrence Malizzi, Senior Manager, Ramboll

PANELISTS:

- Christine Millner Gay MBA, PMP, BBLSS, Senior Consultant and Director, Quality Management, CTEH, LLC
- Tim House, Regional Manager, Moran Environmental Recovery
- JT Newman, President, E3 Environmental
- Cassie Whitefield, EHS Manager, Delek Logistics

WEDNESDAY, NOVEMBER 17



NETWORKING BREAK

► 10:00 AM – 10:45 AM

Join your peers in the exhibit hall to fuel up on snacks and coffee while you visit with exhibitors!

Sponsored by



LUNCH

► 12:15 PM – 1:30 PM

Grab a bite to eat while you catch up with old and new friends!

Sponsored by  LiquidFrameworks



NETWORKING BREAK

► 3:00 PM – 3:30 PM

Join your peers in the exhibit hall to fuel up on snacks and a refreshment while you visit with exhibitors.



OPENING RECEPTION

► 5:00 PM – 6:30 PM

Grab a drink and mingle with your fellow attendees and exhibitors during the opening night reception!



BALAENA DEMO AND MARGARITA BAR

► 5:30 PM

Enjoy a tasty margarita at the Balaena booth #545 with a tour and demonstration of their patented technology Proof-of-Concept vessel, now in Gen II design development.

Sponsored by



THURSDAY, NOVEMBER 18



NETWORKING BREAK

► 10:00 AM – 10:45 AM

Join your peers in the exhibit hall to fuel up on snacks and coffee and go see any exhibitors you didn't get to visit with on Wednesday.

Sponsored by



LUNCH

► 12:15 PM – 1:30 PM

Join your peers for one final meal before the event wraps up at 3:00 PM!

EXHIBIT HALL HOURS

Wednesday, November 17 ▶ 10:00 AM – 6:30 PM

Thursday, November 18 ▶ 10:00 AM – 1:30 PM

Our exhibit floor includes 100+ exhibitors featuring products and services such as chemical detection, compliance solutions, containment equipment, data processing, disaster communication, drones, surveillance technologies, incident software, in situ burn products, response software, restoration tools, risk analysis, safety equipment, skimmers, swiftwater boom, waste disposal and much more!

Current exhibitors as of 10/6/2021

ABASCO, LLC	EnviroServe, Inc.	NJ Resources, Inc.
A & B Environmental Services, Inc.	Enviro-Site, LLC	OCEANPACT
ACME Environmental, Inc.	ERTS(Emergency Response & Training solutions)	Ohmsett
ACV Enviro	Essel Environmental	OMI
ALAMO1	Evans Equipment & Environmental	Parker Systems Inc. (PSI)
aLBriggs Defesa Ambiental S/A	Fall Protection Systems	Phoenix Pollution Control & Environmental Services
American Environmental & Industrial Services, LLC	GHD Services, Inc	Polaris Sensor Technologies, Inc.
AMPOL (American Pollution Control Corp)	Global Risk Solutions	QualiTech Environmental
Ana-Lab Corp	Granny's Alliance Holdings, Inc.	Ramboll
Antea Group	Haz Mat Special Services, LLC	Resolute Environmental and Response
Balaena, LLC	HAZ-MAT RESPONSE/ HAZ-MAT ONE	Rozema Boat Works, Inc.
BayRig Supply	HEPACO, LLC	Sea Machines
Cardno	Heritage—Crystal Clean	SLICK Response Services, LTD
Chainbridge Technologies	Heritage Environmental	Specialized Professional Services, Inc.
Chloeta	Hilcorp Energy Company	Spill Control Association of America (SCAA)
CK Associates	Horizon Environmental	Spill Tackle, LLC
Clean Earth Systems Inc.	Hull's Environmental Services, Inc.	Stantec Consulting
Clean Gulf Associates	IKON Environmental Solutions, LP	SurfCleaner AB
Clean Harbors	Integrity Management and Response, LLC	TAS Environmental
Cleanupoil.com	International Bird Rescue	Texas A&M Engineering Extension Service (TEEX)
Cliff Berry, Inc.	International Spill Control Organization	Texas Boom Company
Coastal Response Research Center	Lamor USA	Texas Molecular
Cooley Group	Liquid Safety Solutions by FyterTech Nonwovens LLC	The Response Group
Cotton Logistics	Lone Star Hazmat Response, LLC	TowBoatU.S. Ft. Lauderdale
CRUCIAL, Inc.	Marine Spill Response Corp.	Tradebe Environmental Services
CSA Ocean Sciences Inc.	MDA Geospatial Services Inc.	Trident Environmental Group
CTEH, LLC.	MetOcean Telematics	UltraTech International
E3 Environmental	MFNS Tech, Inc.	Union Processing Systems
Elastec, Inc.	Mid-South Environmental Services, Inc.	United States Environmental Services
Ellipse Global	Miller Environmental Services, LLC	US Fire Pump, LLC
EMSI	Mississippi Dept. of Environmental Quality (MDEQ)	Vac2Go
EnviroCon Systems Inc.	National Response Corporation (NRC)	Whitewater Rescue Institute
Environmental Restoration LLC	Nightstick	Witt O'Brien's

EXHIBIT SPACE AND SPONSORSHIPS ARE STILL AVAILABLE!

Contact Renie Mayfield at 713-343-1895 or rmayfield@accessintel.com to discuss exhibit and sponsorship opportunities at CLEAN GULF 2021!

INDIVIDUAL REGISTRATION OPTIONS

FULL CONFERENCE \$799*

Access to all conference sessions, exhibit hall, lunch and reception

FULL CONFERENCE — GOVERNMENT \$599*

Access to all conference sessions, exhibit hall, lunch and reception

FULL CONFERENCE — EXHIBITOR \$399

Discount for a conference pass exclusive to exhibiting companies. Access to all conference sessions, exhibit hall, lunch and reception

EXPO-ONLY \$199

Access to exhibit hall, reception and 2 conference sessions of your choice. If you want to access all conference sessions, you must register under the full conference category.

**Prices for the full conference pass increase by \$100 after November 12, 2021*

GROUP REGISTRATION OPTIONS

TRIO \$1,900

Send a group of 3 — Access to all conference sessions, exhibit hall, lunch and reception

PLANT PACK \$3,200

Send a group of 5 — Access to all conference sessions, exhibit hall, lunch and reception

CORPORATE \$5,950

Send a group of 10 — Access to all conference sessions, exhibit hall, lunch and reception

UNLIMITED \$9,500

Send an unlimited group — Access to all conference sessions, exhibit hall, lunch and reception

Save up to 25% off by purchasing a group registration plan! Contact Jill Dean at 301-354-1618 or jdean@accessintel.com for more information.

All of the hotels within the official CLEAN GULF block are committed to following the city of San Antonio's Safer Together pledge in accordance with CDC guidelines to use face coverings, practice physical distancing, conduct temperature checks, provide hand sanitizer, follow CDC cleaning protocols, implement contactless payment whenever possible and conduct general COVID-19 awareness training for all employees.

The hotel block for CLEAN GULF expires on October 24th. To book your room at the discounted CLEAN GULF rate, visit www.cleangulf.org/hotel-information



SAN ANTONIO MARRIOTT RIVERCENTER

101 Bowie Street
San Antonio, TX 78205

Phone: (210) 223-1000

Standard Rate: \$229.00

Government Rate: \$124.00



HILTON PALACIO DEL RIO

200 S Alamo Street
San Antonio, TX 78205

Phone: (210) 222-1400

Standard Rate: \$229.00

Government Rate: \$124.00



LA QUINTA INN & SUITES BY WYNDHAM SAN ANTONIO RIVERWALK

303 Blum Street
San Antonio, TX 78205

Phone: (210) 222-9181

Standard Rate: \$159.00

Government Rate: \$124.00

HEALTH AND SAFETY AT CLEAN GULF

In an effort to maintain the health and well-being of our attendees, exhibitors and sponsors, CLEAN GULF is committed to following the guidelines put in place by the CDC, the U.S. Travel Association and at the city and state levels. We will update participants on specific safety measures before we go onsite. [Click here to view the latest protocols.](#)