

The entire transcript of this meeting can be viewed at www.regulations.gov at Docket Number OSHA-2013-0007-0039 “[Exhibit 0036: February 25, 2015 MACOSH Meeting transcript](#)”

MEETING SUMMARY
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
MARITIME ADVISORY COMMITTEE FOR OCCUPATIONAL SAFETY AND HEALTH
(MACOSH)

Wednesday, February 25, 2015

U.S. Department of Labor, Frances Perkins Building
200 Constitution Ave. N.W.
Washington, D.C. 20210

MACOSH Members Present:

James R. Thornton (American Industrial Hygiene Association, MACOSH Chair)
Amy Sly (Marine Chemist Association)
Kenneth A. Smith (U.S. Coast Guard)
Kelly J. Garber (SSA Marine)
Daniel R. Harrison (American Society of Safety Engineers)
James S. Rone (Washington State Department of Labor & Industries)
Kristine Gilson (U.S. Department of Transportation, Maritime Administration)
Lesley E. Johnson (International Brotherhood of Electrical Workers)
Robert Godinez (International Brotherhood of Boilermakers)
Donald V. Raffo (General Dynamics)
Solomon Egbe (Ports America Chesapeake)
Karen I. Conrad (North Pacific Fishing Vessel Owners’ Association)*
LCDR John F. Halpin, MD, MPH (National Institute for Occupational Safety and Health,
U.S. Department of Health and Human Services)*
Tim Podue (International Longshoremen’s and Warehousemen’s Union)*

* Present via teleconference

MACOSH Members Absent:

George Lynch (International Longshoremen's Association)
Gary Steinberg (Special Agency Liaison, Office of Worker Compensation Programs)

OSHA Staff:

Amy Wangdahl, Designated Federal Official, Director, OSHA Office of Maritime and
Agriculture
Jennifer Levin, Committee Counsel, Office of the Solicitor
Danielle Watson, OSHA, Office of Maritime and Agriculture
Vanessa Holloway, OSHA, Office of Maritime and Agriculture
Nicholas Carr, OSHA, Office of Maritime and Agriculture

Members of the Public and Other OSHA Staff Present:

Curtis Shaw, Pacific Maritime Association
CAPT Sam Jebanathan, Metropolitan Stevedore and Company
Gary Rasnake, NAVSEA Headquarters
Woody Collins, American Equity Underwriters
John Vos, OSHA, Region 4
Scott Ketcham, OSHA, Region 10
Kevin Sullivan, OSHA, Region 2
Dennis McLaughlin, OSHA, Region 5
Chris Adams, OSHA, Region 2
Bill Perry, Director, OSHA Directorate of Standards and Guidance
Acie Zachary, OSHA, Office of Maritime and Agriculture
Dorinda Folsie, OSHA, Region 6
Dan Dewease, OSHA, Region 3
Ian Bennett, Shipbuilder's Council of North America
John King, OSHA, Office of Maritime Enforcement
Rajkumar Sundram, OSHA, Region 9
Patrice Peoples, OSHA, Directorate of Cooperative and State Programs
Eric Kampert, OSHA, Directorate of Construction
Paul Rossi, OSHA, Office of Maritime Enforcement
Todd Briggs, OSHA, Directorate of Cooperative and State Programs
Paul Comolli, OSHA, Office of Maritime Enforcement
John Walsh, International Brotherhood of Electrical Workers

Opening Remarks, Roll-Call and Introduction of Members

James Thornton, MACOSH Chair

Amy Wangdahl, Director, OSHA Office of Maritime and Agriculture

The following discussion can be found in the on pages 5–22 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Chairman Thornton called the meeting to order and introduced himself. He welcomed everyone and thanked them for their time and efforts in traveling to the meeting. The roll of members was called and it was noted that three members were joining the meeting via teleconference for various reasons. Mr. Thornton recognized the OSHA support staff and had all others in attendance introduce themselves on the record.

Review of August 20, 2014 meeting minutes – The Committee reviewed the August 20, 2014 (Washington, DC) MACOSH meeting minutes and unanimously accepted the minutes as written.

The August 20, 2014 MACOSH Meeting Minutes were entered into the record at Docket Number OSHA-2013-007 as [Exhibit 27](#).

The Chairman reviewed the meeting agenda and briefly described the day's presentations. Minor schedule changes were discussed and the modified agenda was unanimously accepted.

The August 20, 2014 MACOSH Meeting Agenda was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 28](#).

Chairman Thornton updated the Committee about the expiration dates of the current MACOSH Charter and the current Committee membership. He noted that the current charter expires in May 2015 and the current membership expires in January of 2016. Amy Wangdahl, MACOSH Designated Federal Official, spoke about the status of the charter renewal package. She explained that once the charter renewal is complete, the membership process will begin. The next meeting is tentatively planned to be in the summer of 2015.

Field Report – Commercial Fishing Hazards in Alaska

Scott Ketcham, Area Director, OSHA Region 10

The following presentation can be found on pages 22-61 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Mr. Ketcham thanked everyone for their work in safety and health and introduced himself. He talked about his background with OSHA and how proud he is to work in Alaska at the Anchorage Area Office. He talked about the diversity of means of transportation he and his compliance staff utilize, including helicopters and sea-going tugboats. Sixty to seventy percent of the Office's work lies within the maritime domain since the Anchorage Area Office is responsible for all shipyard and longshoring activities under the Alaska State Plan. He discussed the large amount of shoreline in Alaska and the 200-300 maritime operations that require inspection. Mr. Ketcham then briefly described the unique geologic features of Alaska, such as volcanos and gravel islands, and the challenges associated with covering such a large area. Numerous slides were shown depicting the diverse operations, such as seafood processing and commercial fishing, and working environments, including extreme cold and the boarding of moving vessels. Hazards associated with the commercial fishing industry were discussed and Mr. Ketcham showed specific examples such as fall hazards, improper lock-out/tag-plus procedures, and the unsafe operation of industrial equipment.

Mr. Ketcham responded to questions from Committee members and the public to further explain the topics presented. He answered several questions about the numerous reality television shows that are filmed in Alaska and how OSHA has communicated with them regarding unsafe behaviors.

The PowerPoint presentation entitled "Field Report – Commercial Fishing Hazards in Alaska" was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 29](#).

Overview of OSHA's Directorate of Cooperative and State Programs

Todd Briggs, Program Analyst & Tina Jones, Deputy Director, Directorate of Cooperative and State Programs

The following presentation can be found on pages 62–75 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Mr. Briggs introduced himself and discussed his role with the OSHA and Shipbuilding Group Alliance. He talked about the success of the Alliance and its history. The Alliance was created in September of 2010 with the goal of preventing and reducing exposures to shipyard employment-related hazards. Prior to 2010, OSHA had three separate shipbuilding alliance relationships with the American Shipbuilding Association, the National Shipbuilding Research program, and the Shipbuilders Council of America. These separate alliances had the same goals and participants, so OSHA combined them into one alliance to create a more efficient program. Mr. Briggs noted several successes the Alliance has had in reaching shipyard employees, including safety seminars, the issuance of safety guidance materials, participating in OSHA Outreach Campaigns, reviewing OSHA maritime products, and participation in the North American Occupational Safety and Health week. Mr. Briggs explained that due to the success of the

program, his office is working on a five-year renewal of the Alliance. He then responded to questions from the audience about the Alliance and their participation in OSHA's National Safety Stand-Down event.

The presentation entitled "OSHA and Shipbuilding Group Alliance" was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 30](#).

The following presentation can be found on pages 75–104 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Ms. Jones introduced herself and gave an overview of the offices within the Directorate of Cooperative and State Programs (DCSP). The offices include the Office of Outreach Services and Alliances, the Office of Partnerships and Recognition, the Office of Small Business Assistance, and the Office of State Programs. She discussed the active cooperative programs and the number of participants in each. Programs within DCSP include the Alliance Program, the Voluntary Protection program (VPP), Strategic Partnerships, and the Safety and Health Achievement Recognition Program (SHARP). Ms. Jones spoke briefly about the current issues each Office within her Directorate is facing. She closed by talking about how DCSP aims to create positive relationships between employers and workers and that MACOSH recommendations have the opportunity to impact their programs. Ms. Jones answered questions from the Committee about the number of maritime-related small businesses, the requirements for the VPP, and the approval process for employers applying to cooperative programs in state plan states.

The presentation entitled "OSHA Directorate of Cooperative and State Programs Update" was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 31](#).

Overview of the OSHA Hazard Identification Game

Mark Hagemann, Director, Office of Safety Systems

The following presentation can be found on pages 105–135 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Mr. Hagemann began by explaining the pocket card reference for the OSHA Hazard Identification Game. A short video was shown explaining the contents and purpose of the game, which is to help employers and workers understand how to identify hazards within their workplace. The [Hazard Identification game](#) was developed initially for employers, but another version for workers has been added. There are three scenarios available including OSHA Visual Inspection Training, the manufacturing facility, and the construction facility. He then explained the contents of the game and the scenarios available. Each facility was visited and the basics of playing the game were explained. Mr. Hagemann then walked through the visual inspection training module that is also available. In this module, users learn to identify hazards found in the workplace, become familiar with hazard categories, and understand hazards related to specific types of equipment. The next scenario under development is an emergency room facility. Mr. Hagemann answered questions from the Committee about adding a maritime facility and explained that it would be feasible given the current design of the game.

OSHA Temporary Worker Initiative

Mary Lynn, Director, Office of Chemical Process Safety and Enforcement Initiatives

The following presentation can be found on pages 136–166 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Ms. Lynn thanked the Committee for inviting her to speak about OSHA's Temporary Worker Initiative. The Initiative began in April of 2013 to increase the protections for temporary workers and to understand the issues that temporary workers face. Temporary jobs employ nearly 10 million people each year. Ms. Lynn explained that OSHA received numerous reports in recent years about temporary workers being injured or killed on the job. Several examples of deaths and injuries that occurred to temporary workers were given. She explained that the initiative began when compliance officers noted during inspections that temporary workers were being exposed to hazardous conditions. Data was then collected and several memos were subsequently issued to further track the number and frequency of exposures. She spoke about outreach and collaborative efforts with various staffing associations and professional safety organizations, as well as the responsibilities and recordkeeping requirements of host employers and staffing agencies. Ms. Lynn then talked about the recommended practices and most cited standards related to temporary workers. The five most cited standards with temporary worker exposure are hazard communication, lockout/tagout, powered industrial trucks, respiratory protection, and machine guarding. She answered several questions from the audience about temporary worker training, supervisor responsibilities, and specific injury reporting requirements.

The presentation entitled "OSHA Temporary Worker Initiative" was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 32](#).

Liquefied Natural Gas as a Fuel Presentation and Discussion

Don Raffo, Shipyard Workgroup Chair

The following presentation can be found on pages 166–200 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Mr. Raffo began the presentation by explaining the chemical makeup and properties of liquefied natural gas (LNG) when used as a fuel. The drilling process for natural gas wells has become more environmentally friendly in recent years, and it is estimated that the United States has nearly 100 years of natural gas reserves. There are five driving factors leading to further exploration of using LNG as a fuel: the US shale gas supply; EPA engine emission standards; EPA fuel standards; emission control areas; and the affordability of natural gas as a fuel. The design, construction, and refueling process of LNG ships was discussed, along with potential hazards that may arise during an accidental fuel release. Mr. Raffo noted that several industry groups and agencies were working on early LNG regulations, such as the U.S. Coast Guard, the International Maritime Organization, the International Standards Organization, and the National Fire protection Association. He fielded questions from the audience about the potential for cargo operations to occur simultaneously with refueling operations while vessels are docked. Ken Smith noted that the U.S. Coast Guard had recently published updated policy letters in the Federal Register pertaining to LNG as a fuel in the maritime industry. These letters were adopted as part of the presentation.

The presentation entitled "Liquefied Natural Gas (LNG) as a Fuel" was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 33](#).

Shipyard Workgroup Report

Don Raffo, Shipyard Workgroup Chair

The following presentation can be found on pages 200–217 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Mr. Raffo began by giving a brief summary of the work completed at the monthly Shipyard Workgroup (SYWG) conference calls. He thanked Robert Godinez for his work on translating two existing

documents into Spanish and discussed the next documents to be translated: Lock out/Tags Plus Coordination Fact Sheet and Mechanics Working in ‘the Yard’ on Powered Equipment during Marine Terminal Operations Quick Card. Mr. Raffo discussed the following projects that have been completed since the last MACOSH meeting:

1. **SHIPS DOCUMENT: HOUSEKEEPING SAFETY ON VESSELS AND DURING SHIPYARD WORK** – Housekeeping is a common routine which aids in the prevention of workplace incidents. The SYWG targeted shipyards and vessels in this document to stress the importance of proper housekeeping in reducing fire hazards as well as lowering the risk of trips, slips, and falls. The draft includes a safety checklist and several case studies about the topic. The final document will be a continuation of the “Safety and Health Injury Prevention Sheets (SHIPS)” series. A motion was made and passed for the Committee to accept the document and recommend it to OSHA for publishing.

The document entitled “Housekeeping Safety on Vessels and during Shipyard Work” was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 0034; Attachment 1](#).

2. **TRANSLATION OF EXISTING DOCUMENTS INTO SPANISH** – Mr. Robert Godinez, a member of the Shipyard Workgroup, translated two existing OSHA Quick Cards into Spanish: “Hot Work Safety on Hollow or Enclosed Structures in Shipyards” and “Working Safely on the Apron or Highline during Marine Terminal Operations.” A motion was made and passed for the Committee to accept the translated documents and recommend them to OSHA for publishing.

The documents entitled “Proposed Spanish translation of Hot Work Safety Quick Card” and “Proposed Spanish translation of Working Safely on the Apron or Highline Quick Card” were entered into the record at Docket Number OSHA-2013-007 as [Exhibit 0034; Attachment 2](#) and [Exhibit 0034; Attachment 3](#).

3. **SPRAY PAINT SAFETY** – The SYWG produced this Fact Sheet in response to the numerous hazards associated with spray painting in shipyards. The workgroup aimed to condense the variety of rules, regulations, and interpretations related to spray paint safety into one comprehensive document. Industry experts from the workgroup collaborated on this document to address the primary and secondary hazards workers face when working with materials of various flashpoints, such as flammable vapors, oxygen deficient atmospheres, and exposure to toxic compounds. A motion was made and passed for the Committee to accept the document and recommend it to OSHA for publishing.

The document entitled “Spray Paint Safety” was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 0034; Attachment 4](#).

4. **HOUSEKEEPING AND SANITATION ON COMMERCIAL FISHING VESSELS** – This Fact Sheet focuses on the importance of housekeeping, as well as sanitation, while working on commercial fishing vessels. Mr. Raffo thanked Karen Conrad for her work in leading the development of this document. The fishing industry faces numerous unique hazards and risks. Proper housekeeping and sanitation is a major factor in reducing the number of injuries and illnesses on fishing vessels. Promoting safe work practices and highlighting the applicable standards will help raise awareness and encourage workers in the commercial fishing industry to reduce or eliminate the risk factors contributing to workplace incidents. A motion was made and passed for the Committee to accept the document and recommend it to OSHA for publishing.

The document entitled “Housekeeping and Sanitation on Commercial Fishing Vessels” was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 0034; Attachment 5](#).

Mr. Raffo then discussed the Shipyard Workgroup’s next projects:

1. **HOUSEKEEPING ON FISHING VESSELS QUICK CARD** – This document will summarize the previous documents completed by the SYWG on housekeeping for ease of reference. Karen Conrad will begin developing the document and the SYWG plans to have it to the Longshoring Workgroup (LSWG) for review prior to the next MACOSH meeting.
2. **GUIDELINES FOR EMERGENCY RESPONSE FOR SHIPYARD EMPLOYMENT FACT SHEET** – The SYWG intends to summarize the guidelines for emergency response in shipyards, possibly utilizing a checklist format.
3. **GUIDANCE FOR THE EVALUATION OF SHIPYARD COMPETENT PERSON PROGRAMS** - The intent of this document is to provide a means of self-assessment for a shipyard competent person program. Further, it will aim to assist in determining if an employer meets the OSHA requirements and provide some industry best-practices for managing a shipyard competent person program.
4. **SPANISH TRANSLATION OF EXISTING OSHA DOCUMENTS** – Robert Godinez will begin translating two existing OSHA documents: “Lockout/Tags-plus Coordination” Fact Sheet and “Mechanics Working in ‘the Yard’ during Marine Terminal Operations” Quick Card.

In addition to these projects, Chairman Thornton charged the Shipyard workgroup with exploring options to assist with OSHA’s temporary worker initiative. The presentation concluded and was accepted by the Committee.

The presentation entitled “Shipyard Workgroup Report - February 25, 2015” was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 34](#).

Longshoring Workgroup Report

Kelly Garber, Longshoring Workgroup Chair

The following presentation can be found on pages 218–246 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Mr. Garber began by giving a brief summary of work completed at the monthly LSWG conference calls. He discussed the review of IMO Annex 14 - Guidance on Providing Safe Working Conditions for Securing of Containers On Deck and the accuracy of declared container weights. The LSWG plans to revisit these items after the next meeting of the International Maritime Organization to see if a MACOSH product would benefit the maritime industry. Mr. Garber then discussed the following projects that have been completed since the last MACOSH meeting:

1. **CRUISE SHIP TERMINAL SAFETY FACT SHEET** - This document was produced in response to the comparatively high number of injuries occurring in cruise ship terminals related to baggage handling. It is comprehensive in its scope, covering proper lifting techniques, safe equipment operation, and recommended safe work practices in all stages of cruise terminal operations. The document covers all facets of baggage handling from pre-arrival to embarkation. The LSWG anticipates developing a Quick Card in the future. A motion was made and passed for the Committee to accept the document and recommend it to OSHA for publishing.

The document entitled “Cruise Ship Terminal Safety” was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 0035; Attachment 1](#).

Mr. Garber then discussed the Longshoring Workgroup’s next projects:

1. **PROPER LIFTING QUICK CARD** – This document will summarize proper lifting techniques that are included in the “Cruise Ship Terminal Safety” document. It will address the specific injuries associated with baggage handling and a first draft has been completed.
2. **SAFE LASHING PRACTICES** – A high number of injuries in the longshoring industry are directly related to lashing. The LSWG has identified several areas to address and plans to create a comprehensive document to address work safety during lashing activities.
3. **LIQUEFIED NATURAL GAS (LNG) IN THE MARITIME INDUSTRY** – The LSWG has identified several potential issues to address in this document. These areas include simultaneous operations, fuel transfer safety, emergency response, and specific procedures for vessels using LNG as a fuel.
4. **MECHANIC SAFETY** – This document will summarize the most common injuries that occur to mechanics in the longshoring industry and recommend safe work practices for common tasks to reduce the risk of injury. The LSWG also plans to address the aging workforce as it relates to mechanic safety.

Chairman Thornton also charged the Longshoring workgroup with exploring options to assist with OSHA’s temporary worker initiative. The presentation concluded and was accepted by the Committee.

The presentation entitled “Longshoring Workgroup Report - February 25, 2015” was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 35](#).

Open Discussion, Closing Remarks, Adjournment

The discussion and closing remarks can be found on pages 246–254 of the meeting transcript at www.regulations.gov at Docket Number OSHA-2013-007.

Each MACOSH member took an opportunity to provide feedback on what worked well during this meeting. Mr. Thornton closed the meeting by expressing his appreciation for the opportunity to serve as Chairman. He discussed the important work done by MACOSH, and how their accomplishments are having a direct effect on improving worker safety in the maritime industry. Mr. Thornton thanked all of the presenters, as well as the committee members, workgroup chairs, and the public.

The meeting was adjourned at 3:01pm EST.

The February 25, 2015 MACOSH Meeting Transcript was entered into the record at Docket Number OSHA-2013-007 as [Exhibit 36](#).

I hereby certify that, to the best of my knowledge, the foregoing minutes are an accurate summary of the meeting.

Submitted by:



James Thornton
MACOSH Chair

Date: 4/16/2015