

preparing communities for transportation incidents

## TRANSCAER<sup>®</sup> TRAINS IN THE **CAPITAL** *of* **CRUDE** BY RAIL, NORTH DAKOTA

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# Notes from the Chairman



I am very pleased and excited to have the opportunity to serve as chair of the National TRANSCAER® Task Group for the next two years. I look forward to serving with the other task group members.

Having been actively associated with TRANSCAER® over the past nine years, I continue to be impressed with the passion and commitment of the hundreds of safety professionals who actively volunteer to serve the program throughout the U.S. and Canada. TRANSCAER® is a unique partnership that brings together transporters, shippers and responders with the common goal of preparing our communities to safely manage transportation incidents. When it comes to emergency preparedness training and cooperation, there is alignment among all TRANSCAER® stakeholders. This cooperation among the volunteers and sponsoring organizations is what makes participation fulfilling and the program successful.

Today, the program we've built is strong and continues to grow, largely because of our active state and local teams. TRANSCAER® depends on volunteers who take pride in what they do as they seek to ensure their communities are prepared for an emergency we all hope never happens. We are fortunate to have this corps of volunteers.

As President of The Chlorine Institute (CI), I have seen participation in TRANSCAER® dramatically improve the effectiveness of CI's emergency response training and outreach programs. The network of experts and industry stakeholders brought together by TRANSCAER® provides tremendous resources that are vital to conducting a successful national outreach program.

CI has been a TRANSCAER® sponsor since 1988, initially sponsoring a large-scale event every few years. These were always well-organized and well-attended. We utilized our knowledgeable CHLOREP (Chlorine Emergency Plan) mutual aid team members as instructors. Over time, we effectively tapped into the national TRANSCAER® network and those "every few years" events became an annual event and then semi-annual programs. In 2014, The Chlorine Safety Tour encompassed 45 training days, a clear result of the focus and networking brought about through participation in TRANSCAER®.

The product-focused emergency preparedness and response tours of recent years, covering anhydrous ammonia, chlorine and ethanol, have added resources for the local and state programs because of the cooperation between the national program and the sponsors: American Chemistry Council, Association of American Railroads, CHEMTREC®, Renewable Fuels Association, The Fertilizer Institute and, of course, The Chlorine Institute. In 2015, I look forward to full implementation of the crude oil module being developed by the American Petroleum Institute, TRANSCAER®'s newest national sponsor.

By meeting the needs of the responder community, the product-focused information and training curricula help achieve one of the most important objectives of the National Task Group – to provide resources to the local teams so that they can implement the TRANSCAER® initiative by helping local responders to respond safely, swiftly and effectively to possible emergencies. These programs have created a great foundation upon which to build.

I want to thank my predecessor Ed Chapman, Director, Hazardous Materials for BNSF Railway, for his wisdom, leadership and friendship. With the foundation that has been built combined with efforts of the entire TRANSCAER® family, I look forward to an even stronger and more vibrant program in the years ahead.

I wish you all a Safe and Happy New Year, and I hope to see you soon at a TRANSCAER® event.

Sincerely yours,

*Frank Reiner*

Frank Reiner, Chairman,  
National TRANSCAER® Task Group  
Executive Committee & President, The Chlorine Institute



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### ON THE COVER:

Bakken Oil Express (BOE) railport west of Dickinson, ND.

Photo By Donna L. Lepik, TRANSCAER®/CHEMTREC®



# CSX TRANSPORTATION SAFETY TRAIN ENERGY PREPAREDNESS PROGRAM REACHES OVER 2,000

By Cliff Stayton, CSX Transportation  
All photos courtesy of Robert Rohauer, CSX Transportation



Clockwise from top left: CSX's Joe Caccamo, Hazardous Materials Manager gets front-and-center as he offers tank car training to responders; Joe McCann, CSX Manager Hazardous Materials, instructs aboard a specialized flat car containing a variety of tank car heads with a group of first responders in attendance at the "Safety Train: Energy Preparedness Program" training held in Nashville the week of October 27, 2014; Ryan Prewitt of CSX's Hazardous Materials Team provides responders with classroom training in one of CSX's customized training cars; Joe Caccamo, CSX Manager Hazardous Materials, reviews the various components of a DOT 111 tank car with a group of first responders in attendance at the "Safety Train: Energy Preparedness Program" training held in Nashville the week of October 27, 2014.

Main Photo: Cliff Stayton, CSX's Director of their Hazardous Materials Program offers up some in-depth locomotive training during their TRANSCAER® training event in Nashville, TN.



**CSX TRANSPORTATION** took its safety train on an 18-city, 7-state tour focusing on crude oil this year.

The TRANSCAER® training tour began in Philadelphia, PA and traveled on to New York, Ohio, Indiana, Virginia, West Virginia, with a final stop in Nashville, TN. With a focus on safety, CSX continues to prepare first responders to respond to crude oil incidents along their routes that have seen increased traffic of crude. During this tour, CSX has trained over 2,000 first responders along their routes.

Members of the CSX Hazardous Materials Team

brought their top-notch training to each of the stops. The training began with four-hours of classroom training inside a coach converted into a classroom car that started with familiarization of working safely in the railroad environment, properties of crude oil and rail car types.

From the classroom, responders moved through an additional four-hour hands-on training program specific to response to locomotive characteristics, high pressure and general service tank cars, including the CPC 1232, which is the car of choice for moving Bakken crude with its unique characteristics. ■







*Hundreds of area responders from throughout North Dakota took advantage of the FREE TRANSCAER® crude oil training like the event held at the Mandan Fire Department last summer.*

*Photo by Andrew Bates, Keitu Engineers & Consultants, Inc.*

# TRANSCAER® TRAINS IN THE CAPITAL of CRUDE BY RAIL, NORTH DAKOTA

By Shelby Johnson, Keitu Engineers & Consultants, Inc. | Photos By Donna L. Lepik, TRANSCAER®/CHEMTREC®

**N**ORTH DAKOTA has gained national notoriety as the “capital of crude by rail.” The state continues to be the epicenter of drilling activity, rushing from ninth to second place in crude production over a period of only nine years. Since 2012, it now ranks now only behind Texas in domestic crude production. But pipelines to available markets can’t be built that fast. Hence, according to the U.S. Energy Information Administration 66% of that crude is being transported by rail out of state.

The 2014 TRANSCAER® tour included 11 stops in six different locations throughout North Dakota, and boasted attendees from all parts of the state, 414 in total. Much

of this success is owed to the ND Firefighters Association, which handled registration for the events and issued training certificates, and the ND Department of Emergency Services, which helped promote the tour and coordinated with local fire departments. Short line sponsors included the Red River Valley & Western and the Dakota Missouri Valley & Western Railroads.

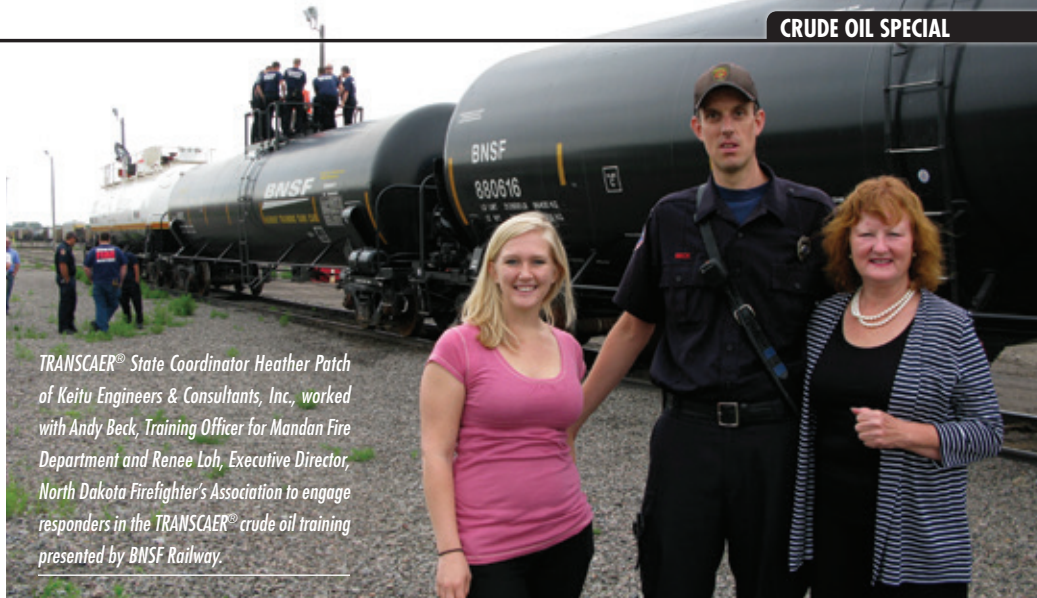
Participants were encouraged to get hands-on experience with the locomotive and specialized training tank cars; instructors and students climbed the sides of tank cars to examine manways, top-fittings protection and pressure relief devices. The students,



composed of area firefighters, first responders, and emergency managers, were eager to ask questions and pose hypothetical scenarios to the instructors. BNSF provided two different non-pressurized tank cars for inspection and training, the legacy DOT Specification 111 tank car as well as the new, CPC-1232-compliant tank car with greater top-fittings protection and half-height head shields on both ends of the car.

Training was provided by BNSF's Managers – Hazardous Materials Field Operations and Emergency Response Justin Piper and Derek Lampkin, both of whom were given a warm reception by students eager to learn about how to keep their communities safe in the event of a crude oil spill or derailment.

Cooperation amongst TRANSCAER® and local sponsors furthered emergency response preparedness in the rail crude capital. ■



TRANSCAER® State Coordinator Heather Patch of Keitu Engineers & Consultants, Inc., worked with Andy Beck, Training Officer for Mandan Fire Department and Renee Loh, Executive Director, North Dakota Firefighter's Association to engage responders in the TRANSCAER® crude oil training presented by BNSF Railway.

*"We transport hazardous materials throughout our system so this has been a large portion of what we do, really throughout our system in 28 states. There's a lot of activity right now in North Dakota because of the oil production and it's certainly very important that we get out and talk with responders about awareness and some of the response issues they may encounter, particularly with petroleum crude oil," said Piper in a recent news interview.*

BNSF Railway's Derek Lampkin, Manager, Hazmat Field Operations and ER provides responders with an up-close look and personal training experience during the TRANSCAER® training in Mandan, ND this summer.



Mike Ball of CP stopped by Mandan to lend a hand with training.





## TRANSCAER® Introduces Crude Oil by Rail Response Safety Training

By Suzanne Lemieux, American Petroleum Institute, NTTG Member

**T**HE OIL AND RAIL INDUSTRIES are committed to the safety of the workers, first responders, and communities through which their products and trains move. Working in conjunction with other efforts, including programs developed by the railroads, the Security and Emergency Response Training Center, and others, the oil and rail industries have developed the TRANSCAER® Crude Oil by Rail Response Safety Training. The purpose of this training is to provide additional guidance to first responders to prepare them for potential issues related to trains carrying crude oil. This TRANSCAER® training is meant to complement existing training efforts and to provide an accessible, easily distributed program, similar to the TRANSCAER® Chlorine and Anhydrous Ammonia programs, to assist communities prepare for and to respond to a possible hazardous materials transportation incident.

Starting in early 2014, the oil (North America's largest producers and shippers) and rail (all North American Class I carriers) industries agreed to work

collaboratively to identify and implement proven practices to prevent, mitigate and respond to risks associated with moving crude oil by rail. To implement this strategy, the oil and rail industries developed joint workgroups that have and continue to identify and address prevention, mitigation and response to ensure a comprehensive approach to safely moving crude by rail. The joint Emergency Response (ER) Workgroup was developed to share best practices and lessons learned and to identify where the oil and rail industries could add to the preparedness of the communities through which products and services are routed. To this end, the ER workgroup spent much of the summer developing a training module for first responders, which addresses the things they should know when responding to a rail incident involving crude oil. The training development is in the final stages and will be provided to the National TRANSCAER® Task Group for review and consideration this winter. Once finalized and produced, we look forward to a robust campaign, through the TRANSCAER® network and the oil and rail

industries, to bring this training to first responders across the nation, free of charge.

These efforts are important because America is experiencing an energy revival. In 2013, the U.S. became the world's top producer of petroleum and natural gas, surpassing Russia and Saudi Arabia, but the continued growth of North American energy resources is dependent upon a strong, safe transportation infrastructure. The geographic diversity of the railroads, coupled with the non-traditional location of new energy resources, has led to a mutually beneficial partnership between the oil and rail industries as resources are produced and transported from previously untapped areas. The Nation's railroads provide a critical piece of the infrastructure, which will ensure the U.S. energy renaissance can continue to provide jobs, investments and increased domestic energy security. To ensure we can continue to utilize this robust and dynamic network, we must collaboratively demonstrate our ability to move crude oil safely, efficiently and in an environmentally responsible manner through communities across the nation. Preparing first responders is a critical element of our efforts to enhance community preparedness, confidence and acceptance. ■

## DON'T MISS OUT...

# FREE CRUDE OIL TRAINING!



This spring, TRANSCAER® crude oil training will commence as part of a joint effort between Team members of the American Petroleum Institute and the Association of American Railroads. Responders and interested community stakeholders can expect **FREE CRUDE OIL TRAINING** offered in the following states:

California  
Illinois  
Iowa  
Kansas

Louisiana  
Missouri  
Nebraska  
New York

North Dakota  
Ohio  
Oklahoma  
Oregon

Pennsylvania  
Texas  
Washington  
Wisconsin





Monte Meyer, Owner & Pilot of Double M Helicopters and Donna L. Lepik, Staff Executive of TRANSCAER® just finishing up a safety briefing before preparing to venture off on a four-and-a-half-hour tour of the Bakken crude oil patches in North Dakota.

The Flight Plan



## Donna's Flight: North Dakota Bakken Crude Oil Patches Up-Close

Article and Photos by Kathleen "Kathye" Spilman, Keitu Engineers & Consultants, Inc., North Dakota State Coordinator for TRANSCAER®.

**H**OW CAN someone like Donna Lepik, Staff Executive of TRANSCAER® whose life is overflowing with work assignments best gain an understanding of North Dakota's oil patch?

State TRANSCAER® Coordinator for North Dakota Kathye Spilman had the answer. An instrument rated aircraft pilot herself, she called upon Double M Helicopters and owner Monte Meyer. Departing KBIS (i.e. Bismarck, ND airport) with "four souls on board," the Bell 206 helicopter N38HH ferried the group west to see some of the largest "crude by rail" loading facilities in the nation.

North Dakota has 11 railports that each can load at least unit-train (i.e. 100 rail cars) a day. Four facilities can load more than a unit-train a day. The largest facility, Bakken Oil Express (BOE) just west of Dickinson, has a 200,000 barrel per day capacity.

Dakota Prairie Refining, a 20,000 barrel per day "topping" refinery is almost adjacent to the BOE facility. The refinery is the first new refinery built in 35 years, and will help supply the diesel fuel necessary to meet the demand of over 180 oil drilling rigs now operating in the state. And no trip would be complete without a visit to a multi-well pad with 15 pumping units and associated tankage.

All work and no play is not tolerated on such trips. The 355-mile journey also included tourist attractions like New Salem Sue (the world's largest Holstein cow) and Garrison Dam (the world's fifth largest earthen dam). However, the trip highlight was view by air of the Little Missouri River valley, which showed off some of the best scenic vistas the state has to offer. ■



The "four souls on board" were TRANSCAER®'s North Dakota State Coordinators Heather Patch of Keitu Engineers & Consultants, Inc. (far left), TRANSCAER® Staff Executive Donna L. Lepik, Monte Meyer of Double M Helicopters and Kathleen "Kathye" Spilman, Keitu Engineers & Consultants, Inc., North Dakota State Coordinator for TRANSCAER® during a fuel break midway through the scenic tour.



Donna Lepik enjoys her "dream job" serving as "co-pilot" during her helicopter flight over the North Dakota crude oil patches.





## First Responders Say Crude-By-Rail Safety Training is “Top Notch”

By Susan Terpay, Norfolk Southern | Photos by Michael Sweeney

**T**HIS IS TOP-NOTCH,” said Jason Hudgens, a firefighter and paramedic from Akron, Ohio. “We were on a 52-acre facility in the desert, and they ignited a fire to create a real-life situation. We could feel the heat and use the hoses to spray foam. You can’t do that in a classroom. You can’t do this anywhere else.”

Hudgens was one of 126 first responders from 11 states across the NS network who took part in one of three Norfolk Southern-sponsored crude-by-rail emergency response classes this year at the Association of American Railroads’ Security and Emergency Response Training Center (SERTC) near Pueblo, CO. The training is part of NS’ efforts to prepare emergency personnel in the event of a crude-by-rail incident.

Participants learned about the different types of crude oil, including the tank cars used for crude transportation and response precautions. Class members practiced controlling the release of crude from damaged rail cars and incident command scenarios during a simulated 20-car derailment and fire.

The training is part of the freight rail industry’s commitment to provide specialized crude-by-rail training and tuition assistance to 1,500 first responders during 2014. Norfolk Southern provided tuition, travel and expenses for responders from Pennsylvania, Ohio, Delaware, Illinois, Indiana, New York, New Jersey, Virginia, Maryland, Alabama, and Kentucky at no cost to communities or organizations. »



Responders practice responding to a simulated crude oil derailment and fire. The 24-hour training combines classroom (40%) and field (60%).



“NS is committed to enhancing safety, which includes not only sound train operations, but also preparing for emergency situations,” said David Julian, NS vice president safety and environmental. “Pre-planning and training for first responders is essential to help them perform their duties

when the need arises. With respect to the crude oil traffic segment, we look forward to working with emergency response agencies to assist them with hazardous materials planning, training, and resources to help them prepare for and to minimize impacts in the unlikely event of an incident.”

NS manager hazardous materials, David Schoendorfer said, “As part of our continuous TRANSCAER® community outreach and emergency preparedness initiatives, NS plans to offer the three-day training class to 80 additional emergency responders across its rail network in 2015.” ■



Jason Hudgens, a firefighter and paramedic from Akron, Ohio



Proud to hail from the Keystone State: Pennsylvania Emergency Responders attended the July Norfolk Southern sponsored crude-by-rail class in Pueblo.

## Nebraska Plans State Wide Exercise Along Crude Oil Route

**T**HE NEBRASKA EMERGENCY MANAGEMENT AGENCY (NEMA) in conjunction with the BNSF Railway have begun the planning stages for a Statewide exercise that will involve multiple levels of government, private sector and first responders. NEMA's Exercise Training Officer, Brandon Burton lead the first planning meeting where objectives were discussed, seminars were planned and current planning standards were updated. Three seminars have been planned along the affected route that will help identify gaps in plans, resources and training. A final discussion based tabletop will involve newly elected officials, state agency directors and railroad personnel.

“We feel an exercise of this magnitude is critical to ensure an efficient and safe response, should we have an issue along any rail in Nebraska” says Tonya Ngotel, State Emergency Response Commission Coordinator for the State of Nebraska and Nebraska State Coordinator for TRANSCAER®. “Plans are in-place; hazmat teams have been trained and equipped. We see this as an opportunity to test those plans and identify gaps that need to be addressed prior to a real event.” ■

### NOW AVAILABLE TO DOWNLOAD! Commodity Preparedness and Incident Management Reference Sheet

**MORE  
INFO ON  
PAGE 39**



The document contains incident management best practices for crude oil rail transportation emergency response operations, including a risk-based hazardous materials emergency response operational framework.

#### DOWNLOAD AT

[http://www.phmsa.dot.gov/pv\\_obj\\_cache/pv\\_obj\\_id\\_D49E5CEF1AC2AB4A887FDA7364FDD00E87BE0200/filename/Petroleum\\_Crude\\_Oil\\_CERG.pdf](http://www.phmsa.dot.gov/pv_obj_cache/pv_obj_id_D49E5CEF1AC2AB4A887FDA7364FDD00E87BE0200/filename/Petroleum_Crude_Oil_CERG.pdf)



## The 2015-2017 National TRANSCAER® Task Group Executive Committee Named



Frank Reiner, The Chlorine Institute — Chairman  
Ed Chapman, BNSF Railway (Retired) — Past Chairman  
Rollie Shook, The Dow Chemical Company — At-Large  
David Binder, Tanner Industries, Inc. — Vice Chairman



Gabriel Treesh,  
CSX Transportation — At-Large



Donna L. Lepik,  
American Chemistry Council,  
TRANSCAER®/CHEMTREC® -  
Staff Executive

## CI Receives TRANSCAER® National Achievement Award

Article & Photo by Ben Zingman, The Chlorine Institute

In September, The Chlorine Institute was honored to receive the TRANSCAER® National Achievement Award for 2013 at the Institute's Fall Meeting in Phoenix. Presented by National TRANSCAER® Task Group Chairman Ed Chapman, BNSF Railway's Director of Hazardous Materials, the award recognized the expertise, leadership and materials provided by CI, its members and contractors to support TRANSCAER®'s program to prepare responders to safely manage chlorine emergencies. Institute members developed the chlorine curriculum for TRANSCAER® and serve as instructors for all chlorine workshops and seminars.

In 2013 CI conducted events in 11 cities, and helped train more than 700 responders. These efforts reflect CI's commitment to the broad safety mission shared by all TRANSCAER® sponsors.

Congratulations to all CI members, contractors and staff who participate in TRANSCAER®. ■



Reflecting CI's broad membership support for TRANSCAER®, a representative cross-section of members and staff pose with BNSF's Ed Chapman following the award presentation. From left to right: Jordan May (CI), Troy Scarrow (Midland), Mike Lewis (DPC), Jim Palmer (Allied Universal), Ed Chapman (BNSF/National TRANSCAER®), Rick Karm (DPC), Bruce Fleming (Olin), Steve Herbst (Midland), Mike Groke (JCI Jones), Dan Thompson (Oxy), Cindy Kuranchie (CI), Bob Gold (Westlake), Randy Rowe (ERCO), Kevin O'Rourke (Hawkins), Tim Gaffney (JCI Jones), Al Cowie (Univar) and Henry Ward (CI).



# CI Rolls Out Emergency Response Training Car - Raises the Bar for TRANSCAER's® Chlorine Safety Tour

Article by Cindy Kuranchie-Asiedu, The Chlorine Institute

Photo by Henry Ward, The Chlorine Institute



**WHAT'S AQUAMARINE**, sixty feet long, weighs over 30 tons, and helps first responders manage possible chlorine emergencies? If you haven't already heard about it – it's The Chlorine Institute's (CI) new chlorine emergency preparedness and response training car (MCVX 1017).

Making its debut under a cloudless, high prairie sky in Kamloops, British Columbia on August 23rd, MCVX 1017 was an instant hit with students and instructors because it provides an all-in-one training experience: traditional and dual-valve ("next generation") chlorine housings, as well as caustic, hydrochloric acid and flammable gas assemblies. The car is specifically designed to help students understand and utilize the real-world information that is the heart of the Chlorine Safety Tour training curriculum.

"The Chlorine Safety Tour brings training to emergency responders in the U.S. and Canada so they can respond safely, swiftly and effectively to potential chlorine incidents," explained Chlorine Institute President and 2015 National TRANSCAER® Chairman Frank Reiner. "Supported generously by the Firefighters Education and Training Foundation (FETF), the Chlorine Safety Tour is CI's primary contribution to the national TRANSCAER® program. Through the Tour, CI members, contractors and rail partners share our expertise and experience."

"CI's new training car is a powerful reminder of the industry's and our partners' commitment to chlorine safety, emergency preparedness and response," Mr. Reiner added.

## The CI Training Car – One Vision; Many Supporters

The CI car reflects the vision, support and hard work of many organizations. Built by FETF Founder and President John O'Neill, MCVX 1017 is owned, operated and maintained by the Foundation. It reflects the same quality and commitment to excellence that Mr. O'Neill has provided through all of the FETF's Safety Train equipment. The Institute is extremely grateful for the Foundation's support in making the training car and the 2014 tour a reality.

In addition, the Institute would like to thank all those companies who made major donations of equipment and materials for MCVX 1017: GE Capital, Rail Services; Union Tank Car Company; PPG Protective and Marine Coatings; Midland Manufacturing; Allied Universal Corporation; American Rail car Industries, Inc.; Descote S.A.S; Indian Springs Manufacturing; Kuehne Company; Olin Corporation and Salco Products, Inc.

## The 2014 Chlorine Safety Tour – An Unprecedented Team Effort

In 2014, the Chlorine Safety Tour provided both classroom and hands-on instruction for nearly 1600 first responders and hazmat specialists in 24 cities across the U.S. and Canada. This unprecedented effort was supported by nine chlorine producers, eleven chlorine packagers, five CHLOREP contractors, six Class I railroads and eight short line railroads that together provided 126 instructors for the program. CI especially thanks those railroads that

provided extensive support and training resources in the Southeast (CSX Transportation), Southwest (BNSF Railway Company and Union Pacific Railroad) and across Western Canada (Canadian National Railway). CI's Chlorine Safety Tour train-the-trainer DVD helped ensure that students at all locations learned the same best practices associated with chlorine emergency response.

At 18 of the 24 events, the tour was supported by rail safety training equipment provided by the FETF, including: the CSX Safety Train (four events), the Dow Safety Train (eight events), the Union Pacific training tank car (three events) and CI's own training car (three events: Kamloops and Surrey in British Columbia and the Reno, NV Fire Show). Additional equipment was graciously provided by: BNSF, CSX, Norfolk Southern Railway, Union Pacific, Canadian National and Central California Traction Company.

## A Look Ahead – The Chlorine Safety Tour 2015

In 2015, the Chlorine Safety Tour will hit the following cities:

<b>ALABAMA</b> – Birmingham – Mobile	<b>MISSOURI</b> – Kansas City – St. Louis	<b>OHIO</b> – Cincinnati <b>QUEBEC</b> – Montreal – Quebec City
<b>DELAWARE</b> – New Castle	<b>NEBRASKA</b> – Omaha	<b>TENNESSEE</b> – Memphis
<b>KENTUCKY</b> – Louisville	<b>NEVADA</b> – Las Vegas	

Direct inquiries about the 2015 tour to Henry Ward, CI's Vice President for Emergency Preparedness and Product Stewardship at: [hward@d2.com](mailto:hward@d2.com) or 703-894-4114. ■



# W.R.Grace and Eurotainer Supports the New York Fire Department Training Academy

Article by Vitaly Volfson (W.R.Grace) and Chris Daly (Eurotainer)



FDNY Haz-Mat Battalion Chief; Chris Daly, Eurotainer; FDNY Commissioner Daniel Nigro; DNY Shipboard Simulator at the Fire Academy; Vitaly Volfson, W.R. Grace; Ed Bergamini; ISO Tank Donated by W.R. Grace at the FDNY Training Academy



**O**N AUGUST 26, 2014, the New York City Fire Department Training Academy held a christening ceremony to inaugurate a newly constructed Shipboard Firefighting Simulator.

"In a city with 520 miles of coastline, and highly active shipping and tourism industries, the possibility of shipboard fires is real and present - making this simulator an incredibly important training tool for our members and the entire region," said FDNY Commissioner Daniel A. Nigro who presided over the ceremony.

Shipboard fires pose unique challenges to firefighters because of the layout, restricted maneuverability of the closed quarters, ships' crew responsibilities and water supply challenges, as well as potential hazardous materials on

board of the ships. To meet this need the FDNY commissioned the construction of a Shipboard Firefighting Simulator. This model of a ship, built on the FDNY Training Academy grounds is four stories high and 132 feet long. It was constructed to re-create the treacherous conditions aboard a flaming and in distress vessel. The total cost of the simulator was \$3.3 million and was funded through the Federal Emergency Management Agency's Port Security Grant Program.

Working in support of the TRANSCAER® initiative, W.R.Grace (a Chemical Manufacturer) and Eurotainer (an intermodal tank container leasing company) donated three ISO tank containers to the FDNY Academy for use with the new simulator. Now, in addition to being able to simulate engine

room fires, on deck fires, electrical fires and galley (kitchen) fires, the FDNY's Haz-Mat Battalion can practice emergency procedures related to fires and leaks from chemical tank containers.

Two of the tanks donated by Eurotainer are gas service tanks and the one donated by Grace is a T22 equivalent pressure rated tank. Both types of tanks have very different valving configurations and access points, giving the FDNY a variety of different tanks to train with. The donations helped FDNY to save over a \$100,000 of the FEMA funds that can be used elsewhere at the Academy.

Both organizations are very happy for the opportunity to help the FDNY while supporting the TRANSCAER® initiative and look forward to future opportunities to provide support. ■



## Christopher Reed Appointed As New Chief Executive of CHEMTREC®



Christopher Reed is CHEMTREC®'s new Chief Executive. Photo by Thomas Flores, CHEMTREC®

**CHEMTREC®** strives to be world's foremost provider of critical response information for chemical transportation emergencies.

The American Chemistry Council (ACC) is pleased to announce the appointment of Christopher Reed as Chief Executive for its CHEMTREC® Division. Linked to the largest network of chemical and dangerous goods experts in the world, chemical and response specialists, public emergency services and private contractors, CHEMTREC® is the definitive information resource and solutions provider for hazardous materials and dangerous goods response.

Chris has been involved in the chemical industry for more than 20 years with experience in the water treatment, polymer and silicon fields. He has held various leadership roles, most recently managing global businesses serving the solar and consumer electronic goods markets.

Chris is a native Illinoisan, but has also spent significant time in Georgia (where all three of his children were born), Missouri and Arizona. He has traveled extensively in Asia and Europe, having developed and managed business units in each region.

In his spare time, Chris likes remodeling and woodworking, running competitively (but he is far from his college day steeplechase form) and building model rockets with his kids. His wife of 20 years, Amy is an elementary school librarian, so Chris likes to think he is well read although maybe mostly in children's literature.

Chris succeeds Randy Speight who, following 24 years of distinguished service to ACC, will be retiring in early 2015. During Randy's tenure, CHEMTREC® has grown to become the leading provider of level 1 emergency response services with more than 32,000 customers worldwide.

ACC created CHEMTREC® to assist the emergency response community during chemical transportation emergencies and it has continuously served emergency responders and the industry for over 43 years. ■

## RFA Assists Canada in Developing Ethanol Safety Program

By Missy Ruff, Renewable Fuels Association

**T**HE RENEWABLE FUELS ASSOCIATION (RFA) has partnered with Transport Canada's Emergency Response Action Plan (ERAP) Task Force and the Flammable Liquids Technical Advisory Committee to bring ethanol safety and emergency preparedness to Canada.

RFA developed the "Training Guide to Ethanol Emergency Response" and is now working with Transport Canada to incorporate Canadian regulations into the program and translate it into French.

The RFA has been an industry leader in safety and emergency preparedness. It has been a member of TRANSCAER® since 2007 and is a founding member of the Ethanol Emergency Response Coalition (EERC).

In conjunction with the EERC, RFA developed safety seminars based around the "Training Guide to Ethanol Emergency Response." Nearly 150 seminars have been held in 27 states to ensure local emergency response personnel are fully equipped to handle a potential ethanol-related emergency. More information on RFA's ethanol safety seminars can be found at: [www.EthanolResponse.com](http://www.EthanolResponse.com). ■

**CHEMTREC**  
The right information at the right time



The CHEMTREC® vision is to continue to be recognized by emergency responders, industry, government, and others as the world's foremost emergency call center for information on hazardous materials and dangerous goods.

### LEARN MORE AT

[www.chemtrec.com](http://www.chemtrec.com)

For Chemical Emergency Spill, Leak, Fire, Exposure or Accident

Call CHEMTREC® - Day or Night  
**800-424-9300**

Outside of the United States call  
**703-527-3887**

Proudly Serving the  
Emergency Response  
Community Since 1971





# Meet Our Team

## TRANSCAER® Team Members



**DAVID BINDER**  
Director, Quality, Safety & Regulatory Affairs  
Tanner Industries, Inc.  
[dbinder@tannerinc.com](mailto:dbinder@tannerinc.com)

David Binder, Director of Quality, Safety & Regulatory Affairs, Tanner Industries, Inc. in Southampton, PA, leads the Ammonia Safety & Emergency Response Training (ASERT™) program. He has been in the ammonia industry for over 20 years. David serves as Chairperson of the Philadelphia Local Emergency Planning Committee and previously chaired the Education sub-committee. This committee produced a Shelter-In-Place Video for the City of Philadelphia.

In September 2005, David was appointed to the City of Philadelphia's Emergency Preparedness Review Committee (EPRC) and served as Chairperson of the Chemical, Biological, Radiological, Nuclear and Explosive Device and Response (CBRNE) Subcommittee. The EPRC was charged with reviewing the emergency management structure and plans for multiple issue areas and published a report in July 2006.

In 2007, David was selected to serve on the Hazardous Materials Response Committee under the National Association of State Fire Marshals (NASFM).

In 2010, David was appointed to the National TRANSCAER® Task Group (NTTG), and the Executive Committee of the NTTG in 2012. In addition, he served as the Curriculum Committee chair for TRANSCAER®'s 2011/2012 Anhydrous Ammonia Tour Program.



**GABRIEL M. TREESH**  
Director Chemical Safety  
CSX Transportation  
[Gabriel\\_Treesh@csx.com](mailto:Gabriel_Treesh@csx.com)

Gabe is the Director of Chemical Safety for CSX Transportation in Jacksonville, FL where he works closely with CSX's customers and stakeholders on matters related to hazardous material transportation safety. Gabe has held a variety of roles at CSX Transportation since starting his tenure in April 2002 including Infrastructure Protection, Government Relations, Environmental Compliance, Sustainability, and Chemical Safety. Gabe is a graduate of the University of Kentucky earning a Bachelor's degree in International Economics and Japanese. He is currently slated to graduate with a Masters Business Administration in April 2015 from the University of Florida. Gabe was born in Northern Indiana and raised in Kentucky.

Gabe is one of seven children and has been married to wife Donna since 2011.



**SUZANNE LEMIEUX**  
Senior Policy Advisor  
American Petroleum Institute  
[lemieuxs@api.org](mailto:lemieuxs@api.org)

Ms. Suzanne Lemieux serves as a Senior Policy Advisor at the American Petroleum Institute within the Midstream unit.

Her primary areas of focus are emergency preparedness and response, crisis management, security policy, and stakeholder engagement, both public and private.

Ms. Lemieux previously worked for BCS Incorporated for more than five years as the manager of their Emergency Response and Risk Management team and as a senior analyst in the Department of Energy's Office of Electricity Delivery and Energy Reliability (OE).

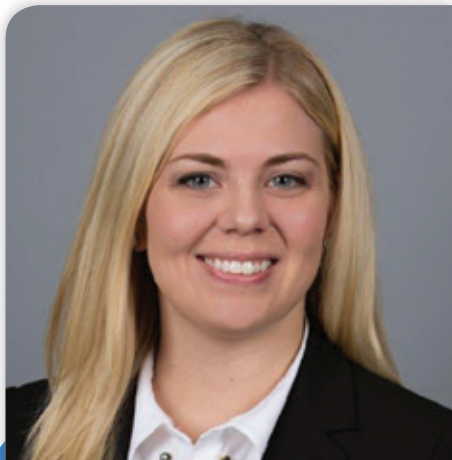
Ms. Lemieux directly supported DOE efforts to build public-private partnerships with the oil and natural gas and electricity sectors, specifically in areas of preparedness, emergency response, and both physical and cyber security. She provided technical and policy analysis, as well as communications support to senior leadership within OE.



VIEW A FULL LIST OF OUR  
2014 NATIONAL TRANSCAER®  
TASK GROUP » [PAGE 43](#)

## UPCOMING NATIONAL TRANSCAER® TASK GROUP MEETINGS:

<b>Wednesday, April 1, 2015</b>	★ American Chemistry Council, Washington, DC
<b>Tuesday, June 2, 2015</b>	★ Security & Emergency Training Center (SERTC), Pueblo, CO
<b>Tuesday, September 15, 2015</b>	★ American Chemistry Council, Washington, DC
<b>Thursday, December 3, 2015</b>	★ American Chemistry Council, Washington, DC



### LAURA CHAMBERS

Director, Government Affairs  
The Fertilizer Institute  
[lchambers@tfi.org](mailto:lchambers@tfi.org)

Laura Chambers is the Director of Government Affairs for The Fertilizer Institute (TFI). Before joining TFI, Chambers worked for Senator Jay Rockefeller (D-W. Va.). She was a Legislative Assistant for the West Virginia Democrat, who serves as the Chairman of the Senate Committee on Commerce, Science and Transportation.

While in Rockefeller's office, Ms. Chambers handled environmental protection, energy, transportation, agriculture and economic development issues.

She studied business administration and marketing at West Virginia University.



### LISA MATSINGER

Federal Railroad Administration  
Railroad Safety Specialist  
(Hazardous Materials)  
[lisa.matsinger@dot.gov](mailto:lisa.matsinger@dot.gov)

Lisa Matsinger is a Railroad Safety Specialist (Hazardous Materials) for the Federal Railroad Administration in Washington, DC. She started work for FRA in 1990 as a Secretary. Then, Lisa spent four years as a Transportation Specialist based in Philadelphia, PA working with Operating Practices, Track, Signal & Train Control, Motive Power & Equipment and Hazardous Materials Inspectors/Specialists. After specialized training in Hazardous Materials, Lisa became the Hazardous Materials Inspector in Baltimore, MD in 1995. Responsibilities included investigating accident/incidents to determine cause and possible prevention; inspecting railroads/shippers for hazardous materials compliance; educating transportation and hazardous materials industry personnel about regulatory compliance and railroad hazardous materials operations. She spent 16 years in Baltimore before coming to Washington in 2011. Responsibilities now include regulatory issues, movement approvals, investigations, hazardous materials security plans/routing and grants/contracts oversight.

Lisa has an undergraduate business degree from LaSalle University and is pursuing a MBA at Strayer University.



### JEFF HANKINS

Emergency Response Team  
Sandia National Laboratories,  
Albuquerque, NM  
[jhankinsnm@gmail.com](mailto:jhankinsnm@gmail.com)

Jeff Hankins is proud to be the new TRANSCAER® State Coordinator for the State of New Mexico. He works with a talented group of individuals as a member of the Emergency Response Team for Sandia National Laboratories here in Albuquerque, NM.

Jeff has been a Hazardous Materials Technician for over 18 years and recently retired from the Albuquerque Fire Department after 20 years of service with the latter three years serving in the role of the Hazardous Materials Program Manager. His responsibilities included developing, implementing and teaching Hazardous Materials training to the over 100 HazMat Technicians in the Albuquerque Fire Department and to firefighters around New Mexico. He is also an adjunct HazMat instructor for the New Mexico Firefighters Training Academy.

Jeff has worked closely with several emergency response and private industry agencies around New Mexico and have recognized some training needs that TRANSCAER® could bring to the table.

Currently, Jeff is working on his bachelor's degree in Occupational Safety & Health from Columbia Southern University and he will be finished in just under two years.





## STATE TEAM ACTION

Missouri Emergency Response Commission (MERC) Staffers and TRANSCAER® State Coordinators Lori Blatter and Dean Martin providing TRANSCAER® and CHEMTREC® outreach materials to responders during the annual Missouri Hazardous Materials Conference in Columbia, MO this fall. ■

## National TRANSCAER® Task Group Member Obligations

**National TRANSCAER® Task Group Members agree to the following:**

- ★ *Members must attend NTTG meetings, which are held a minimum of four times a year. Substituting an alternate is discouraged and should be used only for imperative absences with advance notice to the Chair and Staff Executive. A member absent from three consecutive meetings, regardless of coverage by an alternate, may be asked to resign from the NTTG. Meetings may be held by teleconference if determined appropriate by the Chair and the Staff Executive.*
- ★ *Each member of the NTTG is a working member, and is expected to take a leadership role in NTTG activities. Members are expected to have their employer's support for time necessary to carry out NTTG responsibilities.*
- ★ *Among other duties, NTTG members are expected to assist in recruitment of new TRANSCAER® Sponsors.*
- ★ *Members who solicit funding for a TRANSCAER® event or activity must obtain prior written approval from the National TRANSCAER® Task Group Executive Committee.*

*For more information about joining TRANSCAER®, please contact Donna L. Lepik at [dlepik@transcaer.com](mailto:dlepik@transcaer.com) or 202-249-6723.*

# Airgas. ACE PROGRAM

## Airgas Container Emergencies Program

Airgas, the largest U.S. distributor of industrial, medical and specialty gases welcomes employees and responders to this dedicated training site to promote safe emergency response practices while protecting the environment and communities.



## Airgas Container Emergencies Program

ACE Program is designed to aid emergency responders in recognizing, identifying and understanding the basic components of cylinders, containers and cargo tank trucks used to transport Airgas chemicals.

It addresses objectives for non-bulk and bulk containers used in NFPA 472 Standard – Professional Competencies For Responders To Hazardous Materials and WMD incidents.

**CYLINDERS • TANK TRUCKS  
TRAINING • SCENARIOS  
ACE CARDS • ASSESSMENT**

[AirgasACE.com](http://AirgasACE.com)





## Koppers, Inc. Committed to TRANSCAER® Training for Responders

Article by Erin S. Murray, Koppers Inc.  
Photos by Timothy Douglass, Director of Photography, RDM Pros, Bryan TX.



*BNSF's Ed Chapman (far right) entertains a question while atop the BNSF training tank car that was included in the TRANSCAER® outreach training sponsored by Koppers' Somerville TX facility.*

**A**S PART OF KOPPERS participation in the American Chemistry Council®, Responsible Care® and TRANSCAER®, two tank car training events were recently held at the Koppers Stickney, IL and Koppers Somerville, TX facilities with our partners from the CN and BNSF.

Koppers is committed to Compliance, Continuous Improvement, Communications, Protecting their Employees and Protecting the Environment. Koppers demonstrates their commitment to TRANSCAER® by hosting training seminars for their employees, the community and emergency responders.

These events reinforce Koppers commitment to Responsible Care and provide a forum for enhancing community awareness and emergency responders' knowledge of train operations and tank car anatomy. The training also provides emergency response strategies and networking opportunities between various agencies and industry partners when responding to railroad incidents. Knowing who to contact in an actual emergency can save time and resources for local shippers, law enforcement, railroads and emergency responders.

CONTINUED ON PAGE 20 »



*Inside the BNSF training tank car, we find Butch Warden offering an explanation about a valve for several attendees.*



*Class participants were treated to displays to better understand how tank car fittings work and Butch Warden's explanation as to some of the common causes of unintentional releases.*

*"Such training is essential towards helping me understand the nature of risks inherent in hazardous materials travelling by rail through my county. The more aware I am, the more aware I can help our elected officials and citizens become."*

*- David Lilly, Grimes County Emergency Management Coordinator*



# Transportation Safety



COMPARTMENT B  
CAPY 11285 GALS  
CAPY 42713 LTRS



Participants in the Koppers-sponsored training event gather for a photo before boarding the BNSF training tank car for close-up views of the displays

*"The model tank car was the most interesting event. It helps the loaders to understand what they are dealing with on an everyday basis and helps to keep the issue of safety at the forefront."*

- Angela Kellum, Transportation Specialist, Federal Railroad Administration



New technology was shared with attendees as Kelso Technologies' Lynnette Knafelc demonstrates the features of a modernized manway design.

In total, 237 attendees participated in classroom and hands-on training regarding hazardous material rail shipments, tank cars, emergency response and railroad procedures. Attendees included FRA, TSA, DHS, Coast Guard, law enforcement, emergency responders, fire personnel and other local chemical shippers.

Koppers plant personnel were also able to meet and interact with emergency responders and other outside agencies that may be called upon during an emergency situation. These events also provide

*"An awareness of the hazards, and also providing insight on what to do if there is an event, could greatly benefit not only the regional emergency services, but also the landowners and facilities that adjoin the land that the rail lines cross."*

- Gregg Peterson, Fire Marshal Inspector, Houston, TX

various agencies the opportunity to visit Koppers facilities, meet plant management teams and

become more familiar with Koppers facility locations and operations. ■



## Short Line Partners Latest Focus of CSX Safety Training Effort

Article by Karen Okie

Photos by Dave Scott / Photos by Charles Roots, CSX Transportation

**Who:** CSX Short Line Partners  
**What:** Short Line Safety Workshop  
**Where:** Hopedale, MA  
**When:** 8/5/2014

**S**HORT LINE RAILROADS in the Northeast recently attended the TRANSCAER® Short Line Safety Workshop sponsored by CSX and hosted at the Grafton & Upton rail yard and the Hopedale, Mass., Fire Department. The classroom instruction included an overview of environmental systems and compliance issues, a review of hazmat shipments commonly transported by rail, training on emergency response techniques and guidance on dealing with industrial health concerns such as hearing and respiratory safety. Classroom instruction was followed by a hands-on exercise on the CSXT Safety Train, with participants learning the proper inspection practices for tank car valves and fittings.

The training session was the fifth TRANSCAER® Short Line Safety Workshop put on by CSX in 2014. Each year CSX hosts three regional one-day sessions, and then two additional intensive sessions at the REDI in Atlanta. Short Line Training is a very important part of the TRANSCAER® mission because it provides valuable information and resources to the staff of the Short Line railroads that are often on the front lines with communities and first responders.

CSX conducted the safety training in conjunction with the Safety Train: Firefighters Education and Training Foundation and in cooperation with



CSX Transportation trains CSX Short Line Partners in on 8/5/14 in Hopedale, MA. | Front far left: Dave Scott, CSX, Manager Short Line Development - Northeast; Front center: Charles Roots, CSX, Manager Short Line Development - Business Support; Far right: John O'Neill, President, The Firefighters Education and Training Foundation

the American Short Line and Regional Railroad Association, all of whom share the common goal of ensuring safe transport of rail shipments.

Participants had high praise for the quality of the training session. Representatives from Pan Am Railways commented on the CSX team's wealth of experience and enthusiasm for the subject matter, while a Pioneer Valley Railroad representative was impressed with the timeliness of the event and left with a clear view of how to begin reducing incidents and regaining the public's trust.

"I had the pleasure of attending one of the best training seminars I have ever been to," said Pan Am Railways employee John Steiniger. "It was a full day of classroom presentations and open discussions ranging from industrial hygiene to derailment response. Each presenter was very knowledgeable and exciting to listen to, and it was obvious they love what they do."

CSX trainers leading the event were Chris Walker, manager-public safety and health programs; Harry Hopes, manager-hazardous materials; and Coley Campbell, manager-environmental field services. ■



CSX Short Line Partners on safety train equipment in Hopedale, MA on 8/5/14.



Center - Harry Hopes, CSX, Manager Hazardous Materials trains CSX Short Line Partners in Hopedale, MA on 8/5/14.



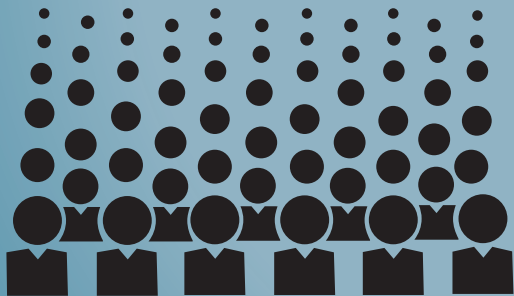
# AN EPIC TOUR...BY THE NUMBERS

## STATISTICS FOR 2014 CHLORINE SAFETY TOUR:

Provided chlorine emergency preparedness and response training across the United States and Canada to

# 1,593 STUDENTS

in **24 CITIES**

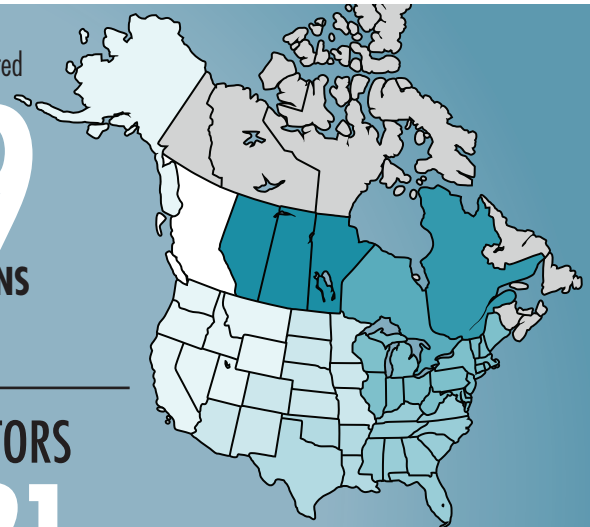


Our educational outreach covered

# 7 OUT OF 9

**TRANSCAER® REGIONS**

USA = Regions 1, 2, 3, 4 & 5;  
Canada = Prairie Region & British Columbia



# CHLOREP SECTORS

# 12 OF 21

(1, 4, 5, 6, 7, 9, 11, 14, 15, 16, D & F)



States/Provinces  
**17**

Cities  
**24**

**SUPPORTED BY:**

- 9** Producers
- 11** Packagers
- 5** CHLOREP Contractors
- 6** Class 1 Railroads
- 8** Short Line Railroads
- 126** Volunteer Instructors

from those companies who supported the 2014 training program.



Students Trained	<b>1,593</b>
Training Events	<b>24</b>
Training Days	<b>52</b>
Avg. Students/Event	<b>66</b>
Avg. Students/Day	<b>31</b>
CI Member Companies Involved	<b>20</b>
CHLOREP Contractors Involved	<b>5</b>
Class 1 Railroads Involved	<b>6</b>
Short Line Railroads Involved	<b>8</b>
<small>(P&amp;N, G&amp;N, Richmond Pacific, PHL, CCT, W&amp;LE, Conrail &amp; Indiana RR)</small>	
Instructors Involved	<b>126</b>
Avg. Instructors/Event	<b>9</b>
Events Supported by Rail Equipment from the Firefighters Education & Training Foundation	<b>18</b>



Noteworthy is the fact that 18 of our 24 events were supported by rail safety training equipment provided by the Firefighters Education and Training Foundation. That includes the CSX Safety Train (4 events), the Dow Safety Train (8 events), the UP training tank car (3 events) and the CI training tank car (3 events). Our training also benefited from additional rail safety training equipment provided by BNSF, Norfolk Southern, Union Pacific, Canadian National and Central California Traction.

## Thank you to everyone who contributed to this outstanding collaborative team effort.

Henry Ward  
Vice President, Emergency Preparedness & Product Stewardship  
The Chlorine Institute  
[hward@CI2.com](mailto:hward@CI2.com)



# NS & DOW PROVIDES MULTIMEDIA TABLE TOP IN KNOXVILLE

Article & Photos by Paul Williams, NS



Team Members in Command Center.

**O**N AUGUST 14, 2014 Norfolk Southern, in cooperation with Dow Chemical, sponsored a one-day multimedia tabletop training exercise programmed specifically for the City of Knoxville, TN.

This exercise concentrated on the City of Knoxville's objectives and priorities and was designed to allow ALL participants to work together within a controlled environment without loss of authority, responsibilities and/or accountability. There were 57 participants, which included representatives from Knoxville fire, police, EMS, EMA, LEPC, Red Cross, Norfolk Southern, Dow, USDOT, hospital, school, highway and utilities. There were no observers, everyone participated in and had a roll in the exercise.

The exercise was a simulated derailment and fire and required the participants to:

- Establish a remote command post
- Establish communications with the railroad, shippers, and other interested parties
- Establish a unified incident command system
- Ensure that all parties involved are informed of response plan and actions to be taken
- Initiate and maintain incident control zones
- Media notification and coordination
- Develop action plan for management of incident
- Identify Product(s) involved
- Determine physical and chemical characteristics
- Perform basic risk assessment
- Determine protective actions required
- Develop an Tactical Action Plan

Once the exercise was completed the four major areas under the ICS system (Logistic, Operations, Finance, and Planning) gave their turnover briefing as though it were a normal change in command. The exercise was a learning experience for the city and benefited all parties in that they had opportunities to meet prior to a real incident. ■



Team members prepare for the tabletop briefing.

CHLORINE INSTITUTE

## EMERGENCY KIT "C"

FOR CHLORINE TANK CARS AND TANK TRUCKS



**Vanguard**

Self Contained Breathing Apparatus

**RESPONDER**  
Level A & B Protective Clothing



Chlorine Institute Emergency Kits  
from Indian Springs Mfg. Co., Inc.

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The Chlorine Institute Emergency Kit "C" is manufactured to the design specifications of The Chlorine Institute. The Emergency Kit "C" contains devices to stop leaks at the safety valve or angle valves of standard DOT 105J500W chlorine tank cars, DOT MC331 cargo tanks and DOT 51 portable tanks on chlorine service. Two instructional booklets explaining the application of each device are included. An instructional al video for Kit C is also available.

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MANUFACTURING

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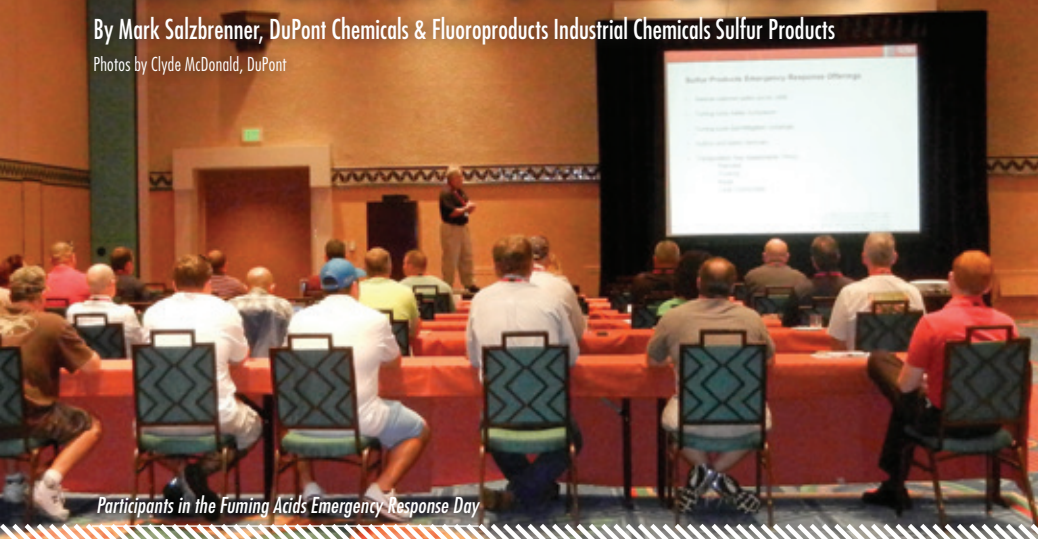
[www.indiansprings.com](http://www.indiansprings.com)



# DUPONT OFFERS FUMING ACIDS SAFETY SYMPOSIUM

By Mark Salzbrenner, DuPont Chemicals & Fluoroproducts Industrial Chemicals Sulfur Products

Photos by Clyde McDonald, DuPont



Participants in the Fuming Acids Emergency-Response Day

**C**ONTINUING OUR TRADITION of providing better services for our stakeholders' needs, DuPont Sulfur Products Business sponsored the 2014 Fuming Acids Safety Symposium on Monday, October 6 through Wednesday, October 8, in Lake Buena Vista, Florida.

The TRANSCAER® symposium covered a variety of safety, environmental, facility and regulatory issues. The products covered included sulfur trioxide (SO<sub>3</sub>), oleum (fuming sulfuric acid), and chlorosulfonic acid (CSA). DuPont desires to share their fuming acids safety knowledge and technology with their stakeholders during this TRANSCAER® meeting to meet their needs for continued improvement in the safety, health and environmental arenas. Attendees included local community HazMat responders, fire departments, LEPC members, carriers, customers, and other HazMat groups. The agenda for the symposium was geared towards operating, safety, maintenance, technical support and emergency response personnel.

Approximately 100 people attended the Symposium representing 35 entities/locations.

On Tuesday, October 7, David M. Wulf, Director of the Infrastructure Security Compliance Division (ISCD), U.S. Department of Homeland Security, was the keynote speaker. His talk focused on chemical security and the national implementation of the Chemical Facility Anti-Terrorism Standards (CFATS).

Topics for the symposium were covered in small workshop groups to permit longer, more detailed discussions. Dupont offered ten workshops. Each participant was able to attend five that were of the most interest or were most relevant to their work. TRANSCAER®

*"As the Chief of Technological Hazards for the Florida Division of Emergency Management, I am consistently impressed with the dedication this program provides facilities, responders and the public," stated TRANSCAER® State Coordinator Paul Wotherspoon, "The agenda for the fuming acids seminar was packed with extremely valuable information, specifically response do's and don'ts backed by real life examples. Wotherspoon continued, "I have already disseminated the information to the State's Training Task Force, meaning it will reach thousands of fire fighters in the State. This no cost training presented by subject matter experts dedicated to the safety of their products rivals some of the most expensive training you can buy! DuPont should be very proud of their employees and the safety message they bring to their customers and first responders. I sincerely appreciate the invitation and look forward to attending your next seminar. Keep up the good work."*

Workshop topics included:

- Personal Protective Equipment (PPE) & 1st Aid/Medical Treatment
- Mechanical Integrity Roundtable Discussions
- Basic Instrumentation and Recommended Alarms/Interlocks
- Pumps for Fuming Acids
- SO<sub>3</sub>/Oleum Transportation, Unloading and Storage Issues
- SO<sub>3</sub>/Oleum/CSA Scrubber Design and Operation
- CSA Storage and Handling
- Fuming Acids Storage Tank Cleaning/Inspection
- Safer Work Practices/Line Breaks
- Dispersion Modeling for Fuming Acids



DuPont Chemicals & Fluoroproducts Industrial Chemicals Sulfur Products



Mark Salzbrenner presenting at the Fuming Acids Safety Symposium

Other workshop topics and talks this year were dedicated to emergency response and community relations issues during the Emergency Response Day on Wednesday October 8th.

Dupont also had a number of suppliers present to exhibit equipment and services, including personal protective equipment (PPE), valves, gaskets, pumps, hoses, instrumentation, and other equipment/services. There was ample time during the symposium for participants to view the exhibits.

The Symposium was well-received by all attendees and provided a good networking forum for open discussion among the attendees. DuPont plans to hold similar symposiums/seminars in the future. For any comments or questions concerning the Symposium, please contact Mark Salzbrenner (Technical Service Sr. Consultant) at [mark.j.salzbrenner@dupont.com](mailto:mark.j.salzbrenner@dupont.com) or Amy Blanton (Technical Service Consultant) at [amy.r.blanton@dupont.com](mailto:amy.r.blanton@dupont.com)



## NS TRANSCAER® Ends Year on a High Note

By Robert Woods, NS & TRANSCAER® Regional Coordinator



Members of the Tuscaloosa Fire Department get a birds-eye view of a TRANSCAER® training car. Photo by Dave Wallace, NS

**T**RANSCAER® ended the year on a high note in 2014. Norfolk Southern conducted a tour with the DuPont Training cars in South Carolina, Alabama and Tennessee October to November. First responders received training on Safety Around the Railroad, Responding to Emergencies on the Railroad and Responding to Emergencies Involving Ethanol and Crude Oil. The course included both classroom and hands-on training.

The tour started in Charleston, SC on October 14. Norfolk Southern hosted the three-day event at our North Charleston Yard. Members of eight local fire departments and members of the U.S. Coast Guard attended the training.

The tour was immediately off to the next stop in Anniston, AL. The three-day event was held at the Norfolk Southern Anniston Yard starting on

October 28. Police and firefighters attended the training from five counties.

The next stop on the tour was held in Tuscaloosa, AL. The three day event was held at our Tuscaloosa Yard starting on November 11. The event was attended by the entire Tuscaloosa Fire Dept.

The final stop on the tour was set in Chattanooga, TN starting on November 18. Considering there were some initial hurdles to overcome with the late arrival of the training equipment that was quickly overcome by the hospitality of the Chattanooga Fire Department, who made their training facility available for the training. CSX also did their part by making their Dome Training trailer available.

During the four-stop tour, NS provided training to a total of 452 first responders. Norfolk Southern looks forward to continuing their commitment to TRANSCAER® and first responders in 2015. ■

## RFA Ethanol Safety Seminars Touched Michigan

By Missy Ruff, Renewable Fuels Association

**R**ENEWABLE FUELS ASSOCIATION (RFA) safety seminars are in demand all across the country. In September, the seminars came to Michigan, which is home to five ethanol plants that produce nearly 270 million gallons of ethanol per year.

RFA recently partnered with the Michigan Department of Agriculture – with funding from the Rural Development Alternative Fuel Education Grant – to host safety seminars in Albion, Lansing, Grand Rapids, Saginaw, and Warren. The grant also allowed the RFA to conduct ethanol retailer workshops in Warren, Flint, Grand Rapids, Kalamazoo and Ann Arbor.

The Andersons Inc. hosted an ethanol safety seminar at its ethanol plant in Albion, Michigan. Cathy Woodliff, quality assurance and lab manager at The Andersons Inc., coordinated the logistics of the event.

Woodliff stated, “The stakes are too high for communities to be uninformed when responding to an emergency. RFA and the Michigan Department of Agriculture took the lead to ensure Michigan first responders are trained and ready in the unlikely event of an ethanol emergency. We were happy to open our doors and host one of the seminars and are truly thankful this training was brought to our local area. We are safer because of it.”

Attendees were given an in-depth look into ethanol safety and taught proper training techniques that emergency responders need to effectively respond to a potential ethanol-related emergency.

The seminar offers an introduction to ethanol and explains the chemical and physical characteristics of ethanol and hydrocarbon fuels. It details the transportation and transfer of ethanol-blended fuels, explains firefighting foam principles, and outlines health and safety considerations for ethanol-blended fuel emergencies. ■

RFA will continue to work with industry partners to host additional seminars in the future. More information can be found at: [www.EthanolResponse.com](http://www.EthanolResponse.com)



## TRANSCAER® and Tanner Taming The Tiger in Rhode Island

Article & Photo by David Binder, Tanner Industries, Inc.

**O**N NOVEMBER 14, 2014, Tanner Industries presented a half-day training program for East Providence, RI Fire Department and hazmat response team personnel on anhydrous ammonia. The classroom training was followed by a facility tour and review of ammonia transportation equipment at the Tanner East Providence facility. Lt. Julian Bayuk of the East Providence Fire Department coordinated the response personnel attending. Lt. Bayuk has responsibility for hazmat training and he wanted to give his team members more variety and hands-on training opportunities.

The class review, facilitated by David Binder, Director of Quality, Safety and Regulatory Affairs for Tanner, was based on this year's Taming The Tiger "T5" series, involving tactics for ammonia response. The class session began with a review of a guide card, customized for anhydrous ammonia, which follows the sequence of a hazmat incident and provides specific reminders and information for responding safely and efficiently. This included control and containment tactics for both offensive and defensive operations, including lessons learned as well as live release training footage.



Norbie Berard reviewing straight truck with the East Providence Fire Department.

Everyone then took a short ride over to the East Providence Tanner facility. Fire Department personnel were able to get up-close and personal with an anhydrous ammonia cargo trailer (MC-331) and a straight truck for some valuable hands on training with the Tiger's Transportation Tanks. Norbie Berard, Transportation Driver for Tanner, facilitated the equipment review. Norbie has become a

veteran in working with fire departments and first responders having previously participated with the Mass Association of Hazmat Technicians conference and working live release drills with the Boston Fire Department hazmat unit.

This program provided a terrific variety of anhydrous ammonia response information from lecture and hands on training. ■

## TRANSCAER® and Tanner Industries, Inc. Facilitate 'Tiger' Series at the Inaugural Southeastern Hazmat School

By David Binder, Tanner Industries, Inc.

**T**HE FIRST ANNUAL Southeastern Hazmat School was held November 8-9 in Columbia, SC at the South Carolina Fire Academy. The South Carolina Fire Academy hosted two days of free specialized training for response personnel to enhance their abilities in effectively dealing with both fire and hazardous materials emergencies.

Bert Polk, State Fire Marshall and Ken Kerber, SCFA Superintendent, stated in their opening letter that they see this training as a groundbreaking opportunity to offer a comprehensive weeklong training program. TRANSCAER® was pleased to be part of the grand opening of this hazmat

school/workshop by facilitating the anhydrous ammonia "tiger" series.

David Binder, Director of Quality, Safety and Regulatory Affairs for Tanner Industries, Inc. and a member of the National TRANSCAER® Task Group Executive Committee presented a half day session on ammonia response entitled Taming the Tiger In The Tank - Tactics & Tabletops for Anhydrous Ammonia. This was an extended session of the "T5" Tiger series and included a classroom review of ammonia properties and containers, followed by a review of an emergency response guide card for anhydrous ammonia which follows the sequence of a hazmat incident and provides specific reminders, tactics

and information for handling anhydrous ammonia safely, effectively and efficiently. That was followed by short tabletop scenarios with team play, providing some fun and entertainment, but more importantly allowing for some practical application in dealing with the tiger when it gets out in real life incidents.

Todd Duncan, SC Emergency Response Task Force and Assistant Hazmat Programs Coordinator, reported extremely positive attendance and student reviews/feedback in regards to the training programs. TRANSCAER® and Tanner is looking forward to continuing participation in this program and looking at potentially doing some live agent release training with ammonia at a future program. ■



## DuPont/Lucite International Team Up for Ethanol Response Training

Article by William R. Burke, DuPont Memphis Plant

**P**ERSONNEL FROM THE MILLINGTON, TN FIRE DEPARTMENT recently attended an eight-hour training session conducted by Bill Burke, Fire Chief at the DuPont Memphis Plant and Floyd Billings, Safety, Health and Environmental Manager for the Lucite International Memphis Facility utilizing the Training materials by the Renewable Fuels Association. Personnel from all three shifts were able to attend on September 23-25, 2014 at the Millington Fire Department Training Facility. The training topics included Chemical and Physical Characteristics of Ethanol and Blended Fuels, Transportation and Transfer Techniques, Storage and Dispensing Locations and Fire Fighting/Emergency Response procedures. In addition, Department personnel reviewed the operation of their recently acquired Foam Trailer for use in mitigating an Ethanol or other Hydrocarbon/Polar Solvent incident. As a consequence of these sessions, Millington Fire Department equipped their responding companies with Alcohol Resistant Aqueous Film Forming Foam (AR-AFFF).

DuPont and Lucite International have provided annual HAZMAT/TRANSCAER® Training to Millington Fire Department for over 10 years. The Department provides mutual aid support to the manufacturing facilities located on Fite Road upon request by the Site Industrial Fire Brigade. ■



Bill Burke of the DuPont Memphis Plant and Floyd Billings of the Lucite International Memphis Facility jointly host a training for members of the Millington Fire Department.



## Dow ES&S Trains Local Volunteer Firefighters in Freeport

Article & photos by Zach Dunkelberger, The Dow Chemical Company

**D**OW CHEMICAL responders participated in weeklong activities for annual Distribution Emergency Response (DER) training at their facility in Freeport Texas during the week of October 20, 2014. Dow DER Team Members took time out one evening to work with local volunteer fire fighters and responders. Fire fighters and police from the Lake Jackson and Clute Texas participated in hands-on activities and sessions to allow them to be better prepared and respond safely to emergencies involving hazardous materials in various forms of transportation situations.

The Dow Chemical Safety Train, which has been the workhorse for hundreds of TRANSCAER® training tours and sessions, provided the real-world tools needed to instruct the responders to safely respond and protect their communities should an incident take place in transportation. All responders were given TRANSCAER® related handouts and contact information as part of the training program. ■



Emergency responders take part in the rail car training session at the Dow Chemical facility in Freeport, TX this fall.



# DOW ROUNDS OFF THE END OF 2014 WITH SUCCESSFUL TRANSCAER® TOURS

By Amy Rezmer, The Dow Chemical Company

**T**HE DOW CHEMICAL COMPANY finished off the year with successful TRANSCAER® tours across parts of Michigan, Ohio, Pennsylvania and Tennessee. Additional support was provided

by several representative agencies, who lent equipment, logistics and instructors to make these training sessions possible. As a part of the training, community leaders were invited

to attend the awareness course to learn how to better assist and communicate to their community regarding hazardous material transportation incidents.



*Wheeling and Lake Erie training.*

Photos by Pete Kirk, The Dow Chemical Company



## Michigan

The tour made several stops across Michigan between June 30th and August 8th, attracting more than 200 students for the hazardous material transportation, anhydrous ammonia and chlorine safety training programs. Classes were held in Battle Creek, Lansing, Detroit, Flint, and Midland. Dow received additional support for the training from CN, Dana Transport Inc., The Firefighters Education and Training Foundation, CHEMTREC®, The Environmental Quality Company (EQ), and many other local agencies. Several local fire departments and emergency responders were present, along with a few members of the National Guard. The program received remarkable feedback from all of those involved, commending all of the instructors for their expertise and helpfulness.

## Wheeling and Lake Erie

In June, a total of 160 students, representing over 30 local agencies, participated in the hazardous materials transportation and chlorine safety training sessions spread out across nine days. Classes were held in Pittsburgh, PA; Carrollton, OH; Brewster, OH; and Medina, OH, with the support of Wheeling and Lake Erie Railroad. Overall, the training received generous praise from all of those who attended. Some even expressed how much they were able to learn from the classes even as veterans of the industry.

## Knoxville, TN

The last leg of Dow's 2014 TRANSCAER® tour was in Knoxville, TN. A total of 100 individuals participated in the training held on September 23-25. Dow teamed up with the Norfolk Southern Railroad, along with The Firefighters Education and Training Foundation, CHEMTREC®, and several other local agencies to provide the training. Participants were impressed with how informative the sessions were and how well the classes were taught. Some even commented it was the best chemical safety training they had ever received, calling it "not your regular boring HAZMAT training."

In addition to the Dow sponsored TRANSCAER® tours, Dow's Distribution Emergency Response (DER) team conducted a week long training session in Freeport, Texas towards the end of October. The Dow Chemical Safety Train that has been used in hundreds of TRANSCAER® safety tours was available to provide local volunteer firefighters and emergency responders real world tools to better prepare them for emergencies involving hazardous materials.

Dow Chemical personnel also assisted during a Chlorine Institute sponsored TRANSCAER® tour in Indianapolis, IN to instruct a few training courses in August. The Dow Chemical Safety Train was also available to assist in the training.

As a result of their commitment to safety and security, Dow has earned the 2013 TRANSCAER® National Achievement Award for extraordinary support of the TRANSCAER® principles. ■



*Battle Creek, MI HAZMAT Team conducting a HAZMAT Response Exercise with the Dow Train Rail car. They are applying capping kits in full suits.*

Photos by Pete Kirk,  
The Dow Chemical Company



*Allegheny County HAZMAT Team from the Pittsburg, PA area conducting a HAZMAT Response Exercise with the Dow Train Rail car. They are applying capping kits in full suits.*

Photos by Pete Kirk, The Dow Chemical Company and John Vergis, Wheeling and Lake Erie Railway Company



*Participants on the Dow Train flat car, in Knoxville, receiving hands-on training applying capping kits.*

Photos taken by Pete Kirk,  
The Dow Chemical Company





# TRANSCAER® TAKES TRAINING SHOW ON ROAD TO NEVADA

Photos courtesy of FireShowsReno



*Dan Thompson of Occidental Chemical provides instruction on the proper use of the Emergency Kit B for the mitigation of leaks from a chlorine cylinder this fall during the FireShowsReno.*



*TRANSCAER®'s Dave Buccolo trains responders about anhydrous ammonia nurse tanks using his customized flatbed training car during the FireShowsReno.*

# TRANSCAER® PROVIDES RAIL TRAINING AT CONTINUING CHALLENGE IN THE SAC

Photos by Charlie Wright, Retired, Union Pacific Railroad



*TRANSCAER®'s Dave Buccolo of Central California Traction Company, explains on the intricacies of the SD70AH locomotive. Dave is actually inside the locomotive with a group of students outside waiting to get in.*



*Union Pacific's Michael Villa-Real and Carlos Sanchez (UP) discuss the types of valves and fittings found on various tank cars.*



## TRANSCAER® Shines During American Short Line Railroad Association Tour



By Dave Buccolo, Central California Traction Company, Region IV Coordinator for TRANSCAER®

**T**HE 2014 American Short Line Railroad Association (ASLRRRA) Tour kicked off in April with the Annual National Convention in San Diego, CA. TRANSCAER®'s Region IV Coordinator, Dave Buccolo, General Manager of the Central California Traction Company and TRANSCAER® Short Line Liaison made a presentation on TRANSCAER® followed-up with a tabletop exercise for the group and a presentation on "How to Prepare for a Hazmat Incident" and "How to Communicate in a Crisis."

Buccolo moved on to the Eastern Region Meeting on September 2014 at the Hershey Lodge in Hershey, PA along with representatives from the Norfolk Southern (NS) and the Antea Group. Buccolo provided a TRANSCAER® presentation and other National TRANSCAER® Task Group (NTTG) Team Members including Dave Schoendorfer and his NS Team offered a Best Practices on "How NS Handles Outreach and Emergency Response Communications." Buccolo also provided a TRANSCAER® presentation along with Annie Richardson of Aetna Group followed by a tabletop exercise designed to help manage a hazmat derailment and communicate effectively.

The same program was offered during the Southern ASLRRRA meeting in Naples FL. During this event, NTTG Member Romano Di Simone of the CSX Transportation and his team presented on CSX Transportation's best practices. Buccolo provided a TRANSCAER® presentation and partnered with Annie Richardson of Aetna Group to provide a tabletop exercise designed to help manage a hazmat derailment and communicate effectively.

The 2014 ASLRRRA tour wrapped up on November 9, 2014 in Ft. Worth, Texas with BNSF presenting a Best Practices with Ed Chapman, past NTTG Chairman, Pat Brady of BNSF, and a TRANSCAER® presentation and a tabletop exercise. ■

## Connecticut TRANSCAER® Works with Fire Academy

Article and Photo By Joaquin Silvia, Bridgeport Fire Department P/E Rescue 5-B, TRANSCAER® State Coordinator for the State of Connecticut

**T**HE FAIRFIELD COUNTY Regional Fire School in Fairfield, CT reached out to their State Coordinator to see if the TRANSCAER® network of professionals could assist them during their Hazardous Material Technician Class. The instructors had recently attended the event that was held in North Haven, CT and asked if we were able to assist them with the acquisition of Tractor and Trailers for training purposes. TRANSCAER® provided the Academy a DOT 406 trailer from The Kenan Advantage Group and the Dana Training Trailer both with Instructors. The Students were very excited to have a hands-on experience with the trailers, listened intently and asked many questions.

The instructors were very thorough and were able to deliver a solid program to the knowledge hungry students! Some of the topics included safety/emergency features, valves, construction, spec plates, loading and unloading, common problems and what a Tech

may encounter during a rollover. A BIG thanks to Vincent Stanford from the Kenan Advantage Group for his help and valuable training, Gene Patten, Dana Transport, for sending the Multi Compartment Training Trailer and Instructor Dennis Lawless to the Academy; they along with their Companies provided a very valuable training opportunity to the State of CT Haz Mat Tech Students. ■



Future Haz Mat Tech's learn about features of the DOT 406 Trailer during the Connecticut TRANSCAER® training program.

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### Emergency Response Kits

A rail car chemical leak in a valve or fitting connection can be a messy affair. HazMat transportation through highly populated areas makes access to the most versatile capping kit available a high priority. Be prepared to respond at a moment's notice, and have the tools you'll need to do the job quickly and safely with a Midland Emergency Response Kit for capping leaking fittings on top pressurized rail cars.

Item		B-240 Bill of Material		
Qty. in Kit	Part Name	Material	Part No.	
1	Large Pressure Relief Valve Cover	Steel	240-1-CS	
2	2" Angle Valve Cover	Steel	240-2-CS	
3	Gaging Device/1" Angle Valve Cover	Steel	240-3-CS	
4	Small Pressure Relief Valve Cover	Steel	240-4-CS	
5	Sample Valve Cover & Beam Assembly	Alum./Steel	240-5-XL	
6	Cross Arm Channel Assembly	Alum.	240-6-AL	
7	Screw & Block Assembly	Steel	240-7-CS	
8	Tie Bar	Alum.	240-8-AL	
9	Tie Bar Pin 5/8"	Steel	240-9-CS	
10	Thin Tie Bar	Alum.	240-10-AL	
11	Tie Bar Pin 7/16"	Steel	240-11-CS	
12	Porthole Bracket	Steel	240-12-CS	
13	Tool Kit			
14	Flexible Hose	Steel	240-19S-XS	
15	2" Ball Valve	Steel		
16	3/4" Needle Valve	Stainless	A-256-SS	
17	Jack Plate	Steel	243-49-CS	
18	Jack Screw	Steel	243-491-CS	

**Emergency Response Kit components are packaged in durable, long-lasting carrying cases and organized for easy access - when every second counts, count on Midland.**

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THANK YOU!

TRANSCAER®

When we receive letters of thanks, we like to share.



DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LT. GOVERNOR

ANDREA J. CABRAL  
SECRETARY

The Commonwealth of Massachusetts  
Executive Office of Public Safety and Security  
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STEPHEN D. COAN  
STATE FIRE MARSHAL

September 9, 2014

Donna Lepik  
American Chemistry Council  
CHEMTREC/TRANSCAER  
700 2nd Street NE Suite 913  
Washington, D.C. 20002

Dear Donna:

On behalf of the Massachusetts Department of Fire Services, thank you for your assistance with the Hazardous Materials Technician Training Program #305-6 earlier this year. Having the professional assistance that you have provided better prepares our firefighters in hazardous materials response should the need arise.

Cooperative engagement of private/public partnerships in training our nation's first responders promotes safer operations, enhances preparedness when a hazardous materials incident occurs, and fosters lasting relationships between response agencies and industry.

Respectfully,

David P. Loh, PC III  
Executive Office of Public Safety and Security  
Massachusetts Department of Fire Services  
Firefighting Academy Division  
Special Hazards Training Branch





The Chemical Company

October 6, 2014

Gene Patten  
Dana Transportation Companies  
VP - Safety & Compliance  
Corporate Responsible Care® Coordinator  
TRANSCAER® Region 1 Coordinator  
210 Essex Avenue E.  
Avenel, NJ 07001-2045

Dear Mr. Patten,

On behalf of BASF Corporation and the men & women of the Chattanooga Fire Department, I want to express our sincere gratitude to Dana Transportation for providing the specialty Highway Cargo Tank training vehicle during the week of September 29<sup>th</sup>. I'd also like to thank you & Dana Transport for providing Mr. John "Clarence" Bean as the Specialist conducting the training on the various models, features & appliances represented on the Dana Tank. The training was well received as evidenced by the attendance of 78 BASF & 99 Chattanooga Fire Department personnel through the course of 12 separate sessions conducted during the week. FYI, I have included a couple of photographs of the training sessions.

This sharing of resources, information & training certainly demonstrates that Dana Transportation subscribes to the mission & philosophy of both TRANSCAER & Responsible Care.

Please accept & share our deepest appreciation with all the Dana Transportation personnel that made this opportunity possible.

Best regards,

*David Darnell*

David Darnell  
Captain, BASF Southeast Region  
Technical Resource and Emergency Response Team



Virgil Fowler of Potash provides anhydrous ammonia tank car training to more than 200 students from the Chicago Fire Department this summer.

Photos courtesy of Belt Railway Police.





**Chlorine Emergency Response Training 9/13/2014**

**From:** Boruck, Randy [mailto:randy.boruck@vancouver.ca]  
**Sent:** Tuesday, September 23, 2014 1:13 PM  
**To:** Cindy Kuranchie-Asiedu  
**Subject:** RE: Certificates- Chlorine Emergency Response Training 9/13/2014

Cindy;  
I have been away on vacation and was unable to attend the training that was provided. I have had numerous calls from our members that did attend. Every single member that attended from Vancouver Fire Rescue was extremely impressed with the training. I am going to have a debrief with the members to further gain feedback, the early message I have received is that the training was exceptional and provided by technicians that were very knowledgeable and professional. "By far the best course I have attended in years". I would like to thank you for the opportunity we had to attend, as well as the techniques that will assist us in further becoming even more proficient and safe when we attend railcar incidents. Please keep us informed if there is any training that you are providing in or around our area as we would welcome the opportunity to have members from our Haz-Mat Team attend.

Sincerely  
**Randy Boruck**  
Vancouver Fire and Rescue Services  
Acting Training Officer/Hazardous Materials  
Training Division  
**604-665-6093 (Office)**  
**604-614-2055 (Cell)**  
Email : [Randy.boruck@Vancouver.ca](mailto:Randy.boruck@Vancouver.ca)

Follow us on  
Facebook: [Vancouver Fire & Rescue Services](#)  
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Website: [vfrs.ca](#)



Southeastern NH and Central NH Hazardous Materials Teams, Anhydrous Ammonia Rail Car Training on June 13, 2014 in Bow, NH. Even the torrential rain did not put a damper on the day's training. Photo by James Gaffey.

Dear Donna,

On behalf of the New Hampshire Hazardous Materials Collaborative Council and its nine regional hazardous materials response teams, I would like to take this opportunity to express our appreciation for the excellent training provided by your organization.

During the week of June 9-13, 2014 Virgil Fowler, Breman Ledbette, and Marc Cason from the Potash Corporation trained over 150 first responders, from across New Hampshire, in responding to incidents involving Anhydrous Ammonia rail cars and the application of the Midland Kit. This training concluded with two hazardous materials teams participating in a full-scale exercise involving a leaking rail car of anhydrous ammonia.

I would personally like to thank yourself and Virgil for your assistance with the movement of the training rail car and the scheduling of the training.

Attached are a few pictures from the training and exercise. Again, thank you and we look forward to working with you in the future.

Sincerely,  
James Stone  
Chairman, NH Hazardous Materials Collaborative Council  
REPC Director  
Southeastern NH Hazardous Materials Mutual Aid District  
PO Box 514  
Windham, NH 03087  
Cell (603) 231-8529



# Mark Your Calendars



Participants engage in the RFA train the trainer seminar on December 4 in Des Moines, Iowa

## Putting Safety Front and Center

Article and Photo By Missy Ruff, Renewable Fuels Association

**S**AFETY has always been and will continue to be a top priority for America's ethanol industry and those who transport ethanol to the marketplace. The Renewable Fuels Association (RFA) is working to ensure that those responsible for the safety of their communities are trained and prepared to respond to any potential ethanol related emergency.

RFA is a member of the Ethanol Emergency Response Coalition (EERC) which developed the Training Guide to Ethanol Emergency Response toolkit to educate first responders on the properties of ethanol and best practices to handle ethanol emergency situations. RFA uses the Training Guide to Ethanol Emergency Response as the cornerstone for its Ethanol Safety Seminars that take place throughout the country.

In 2014, RFA conducted 46 safety seminars. On a larger scale, RFA has organized 150 Ethanol Safety Seminars in 28 states since December 2010, ultimately training several thousand emergency responders. RFA's goal for 2015 is to hold Ethanol Safety Seminars in the remaining 22 states which include Arkansas, Colorado, Connecticut, Delaware, Hawaii, Kentucky, Louisiana, Maine, Mississippi, Montana, Nevada, New Hampshire, New Jersey, New York, North Dakota, Rhode Island, South Dakota, Utah, Vermont, Virginia, West Virginia, and Wyoming.

In addition to the Ethanol Safety Seminars, RFA created an ethanol emergency response "Train the Trainer" program which educates individuals on how to teach ethanol emergency response tactics. On December 4th, RFA conducted a "Train the Trainer" seminar at the Iowa Farm Bureau Federation for RFA members and their emergency response teams. RFA brought in professional hazmat trainer Richard Miller of the International Association of Fire Chiefs to help develop the program and lead the seminar which educated nearly 100 individuals.

RFA's "Train the Trainer" is a pay-it-forward type of program. A single seminar can train an entire room of individuals who then pass the vital knowledge on to local first responders and emergency personnel to ensure communities are prepared to respond to potential ethanol related emergencies.

Additionally, RFA is working with TRANSCAER® to finalize the TRANSCAER® version of the Training Guide to Ethanol Emergency Response, which will be available by 2015/2016. ■

*Information on upcoming Ethanol Safety Seminars can be found at [www.ethanolresponse.com](http://www.ethanolresponse.com).*

# TRANSCAER® AWARDS

**2014 TRANSCAER® Awards Nominations Are Open**

Nomination deadlines for the 2014 TRANSCAER® Awards program are now open. TRANSCAER® Team Members can share your nominations for TRANSCAER® events held in 2014 by applying online at <http://www.transcaer.com/awards>.

### TIMETABLE FOR 2014 AWARDS IMPLEMENTATION

ACTION	TIMEFRAME
Disseminate	Award Forms/Packages Forms Are ONLINE – Accessible Anytime
<b>Closing/Deadline for Award Nominations</b>	<b>FEBRUARY 27, 2015</b>
Distribute to Awards Committee for Review	Week of March 2-6, 2015
Awards Committee Review. Recipients Selected.	Week of March 9-13, 2015
Notify Recipients in Writing. Announce Recipients.	April 17, 2015
Coordinate Award Presentations	At the Recipients Discretion





## CANADA: SPREADING THE TRANSCAER® MESSAGE FROM COAST TO COAST

Another successful season has come to an end for TRANSCAER® Canada's Safety Train. The classroom on wheels spent the summer months rolling its way across Canada. Making stops at community outreach events, the converted rail car is used to train first responders about the safe transportation of dangerous goods.

*"It was a great summer. We achieved a lot and it is going to be even better next year,"*

says Kara Edwards of the Chemistry Industry Association of Canada (CIAC) and Canada's National TRANSCAER® Committee Coordinator.

But keeping up with the demand for the Safety Train has been a challenge for TRANSCAER®. "Over the past year, we've had more requests than ever before," says Edwards. "Communities are more aware of the products moving through their area, and people want to know that emergency plans are in place and first responders are prepared." Edwards isn't complaining though, "We're always looking to partner with new organizations to help educate communities."

This summer, TRANSCAER® reached out to almost a dozen communities of all sizes, from the Atlantic to the Pacific, including Saint-John, London, Medicine Hat, Calgary, Kamloops and Surrey.

"I think it's quite impressive that from July to September we had so many events — and not just one-day events, some ran for two or more days," says Edwards. "It's been great to see the collaboration between CIAC's member-companies and transportation partners, emergency response service providers, first responders and government officials. It's impressive to see





Main photo: First responders, event organizers and instructors in front of the new "Chlorine Tank Car", Surrey, B.C. Photo: Doug Kittle

From top: Andy Ash, Railway Association of Canada, speaking with first responders on top of a safety training tank car, London, Ont.

Photo: Andy Ash, Railway Association of Canada; Randal Sarrazin, Chemtrade Logistics, demonstrates tank car safety features, Calgary, Alta. Photo: Randy Mak, Dow Chemical Canada; David Comly (far left), Northwest Tank Lines, and members of the LPGERC response team Calgary, Alta. From left Clayton Lucier, Al Works, Rob Goossens and Jeff Esteves (front)

Photo: Terry Litchfield, for Northwest Tank Lines



what can be achieved when all of these different groups work together."

TRANSCAER®'s Safety Train wasn't the only training car on tour this summer. The Chlorine Institute rolled out its own "Chlorine Tank Car," visiting 24 communities across North America. Dan Moore, the transportation and emergency response coordinator for Canexus Corporation and the Chlorine Institute's representative on the National TRANSCAER® Committee, says this first tour was a successful one — so successful, that there are already plans for an Eastern Canada tour next summer.

"Across North America, we trained more than 1,500 first responders, contractors and industry professionals," says Moore. "In Western Canada alone, more than 200 first responders participated in events in Winnipeg, Kamloops, Edmonton and Surrey."

The Chlorine Tank Car provides participants

hands-on training in chlorine transportation methods and containers, and proper response for a chlorine emergency, including potential leak scenarios and ways to mitigate leaks. Moore says having an actual chlorine tank car adds to the level of training they can provide first responders. And Edwards agrees.

"It's really something that sticks in people's minds. When you are able to climb on top of a rail car and see and touch the valves and protective housings, it really drives home the transportation safety message," she says.

The Safety Train's many stops included a major two-day event in Calgary hosted by Northwest Tank Lines and the Prairie Region TRANSCAER® Committee. The event attracted more than 250 participants from 16 full-time and volunteer fire departments across Alberta. Northwest's president, Michael Perry, says

it wasn't the first event the company has hosted, but it was definitely one of the biggest. He believes these TRANSCAER® initiatives are key to keeping communities safe.

"It is absolutely essential that all parties involved in emergency response be totally tuned in to what commodities are involved and the steps required to deal with an incident — from handling the equipment, to handling the commodity."

In London, Ontario, 100 firefighters, medics and police officers took part in a five-day TRANSCAER® event co-hosted by CN and CP. Participants received training in foam application, hydrogen fluoride, vacuum trucks, tank car design and Midland capping kits. Carrie Maxim, of NOVA Chemicals, believes the sessions don't just provide crucial training — they're essential to spreading the TRANSCAER® message.

"What I want communities — the public, firefighters, medics and police — to know is that companies that produce and sell chemicals and those that transport them, are knowledgeable about the chemicals and committed to sharing information with responders so they can protect their communities," says Maxim. "Chemical companies care very much about containing their products and keeping communities safe."

TRANSCAER®'s Safety Train may be in storage for the winter, but the organization's outreach doesn't end when the snow falls. They'll be busy spreading the TRANSCAER® message through the fall and winter. This spring, TRANSCAER® will be a featured session at CIAC's *Chemistry 2015: Safe. Secure. Sustainable.* in Toronto, April 21-22, 2015.

For more information  
about TRANSCAER®,  
go to [www.transcaer.ca](http://www.transcaer.ca)

For more information about the  
Chemistry 2015 conference go to:  
<http://canadianchemistry.ca/chemistry2015>

This article was written by Sarah MacFadyen. Sarah MacFadyen is an Ottawa-based writer and communications consultant working with the Chemistry Industry Association of Canada [www.sarahmacfadyen.com](http://www.sarahmacfadyen.com). ■



TRANSCAER



present

a hands-on training event emphasizing chlorine, its properties, emergency response considerations, transportation equipment, and storage and dispensing location procedures.



# THE CHLORINE TRAINING TOUR



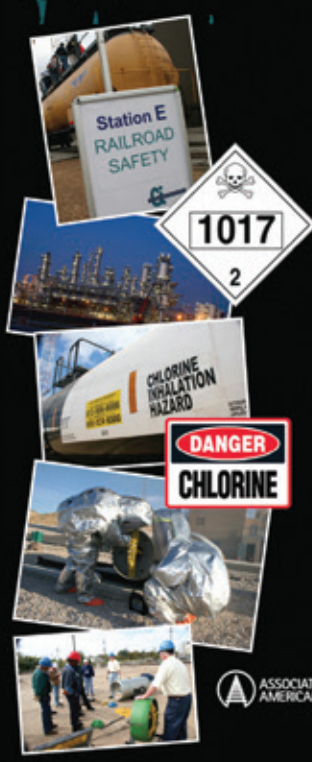
## COMING TO A CITY NEAR YOU!

Because chlorine, an essential building block chemical, is used in hundreds of everyday products but made in only a few locations, it must be transported. It is important for our first responders to be prepared and properly trained for a possible chlorine-related transportation emergency.

This training program covers:

- Chlorine Safety, Physical & Chemical Properties, First Aid & Health Effects
- Chlorine Railcar & Railroad Emergency Response
- Chlorine Cylinders, Ton Containers & Emergency Kits A & B
- Chlorine Railcar & Tank Truck Valves & Emergency Kit C

For additional information visit us @ [www.chlorineinstitute.org](http://www.chlorineinstitute.org)





## USDOT/PHMSA Creates New First Responder Crude Oil Reference Sheet

The Pipeline and Hazardous Materials Safety Administration (PHMSA) are working with the Federal Railroad Administration (FRA) and the U.S. Fire Administration (USFA) to develop incident management “best practices” reference materials for emergency responders to prepare them to safely and effectively respond to crude oil transportation incidents. Subject matter experts from public safety, railroads, government, and industry met in June 2014 to develop a reference document for first responders.

The result of the meeting is the **Commodity Preparedness and Incident Management Reference Sheet** (PDF, 175 Kb - [http://www.phmsa.dot.gov/pv\\_obj\\_cache/pv\\_obj\\_id/D49E5CEFIAC2AB4A887FDA7364FDD00E87BE0200/filename/Petroleum\\_Crude\\_Oil\\_CERG.pdf](http://www.phmsa.dot.gov/pv_obj_cache/pv_obj_id/D49E5CEFIAC2AB4A887FDA7364FDD00E87BE0200/filename/Petroleum_Crude_Oil_CERG.pdf)). The document contains incident management best practices for crude oil rail transportation emergency response operations, including a risk-based hazardous materials emergency response operational framework.

The framework gives first responders key planning, preparedness, and response principles to successfully manage a crude oil rail incident. It also assists fire and emergency services personnel in decision-making and developing an appropriate response strategy to an incident (i.e., defensive, offensive, non-intervention).

Included on the PHMSA PETROLEUM CRUDE OIL REFERENCE Sheet, you will find:

- 1) TRANSPORTATION AND PLANNING CONSIDERATIONS
- 2) HAZARD SUMMARY
- 3) RAILROAD SAFETY PROCEDURES
- 4) EMERGENCY PROCEDURES
- 5) PRE-INCIDENT PLANNING AND PREPAREDNESS
- 6) INCIDENT MANAGEMENT PRINCIPLES
- 7) PROBLEM IDENTIFICATION
  - a. HAZARD ASSESSMENT AND RISK EVALUATION
  - b. SELECT PROPER PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT
  - c. LOGISTICS AND RESOURCE MANAGEMENT
  - d. SELECT AND IMPLEMENT RESPONSE OBJECTIVES  
(w/Questions/Response Considerations & Examples)
- 8) CLEAN-UP AND POST-EMERGENCY OPERATIONS

This document is available to you on the **TRANSCAER® web site** (RESOURCES) as well as on the **PHMSA web site**, which is specifically designed to increase community awareness and preparedness for response to bulk transportation incidents involving energy products such as crude oil, ethanol, and liquefied natural gas (LNG).

If you have any questions about this new reference document, please reach out directly to Mr. Aaron Mitchell of PHMSA using his contact information below:

### Aaron L. Mitchell

Director Outreach, Training, and Grants Division  
 U.S. Department of Transportation  
 Pipeline and Hazardous Materials Safety Administration  
 East Building, 2nd Floor, PHH-50  
 1200 New Jersey Avenue, SE  
 Washington, DC 20590  
 Phone No: 202-366-0579  
 Cell No: 202-281-6193  
[aaron.mitchell@dot.gov](mailto:aaron.mitchell@dot.gov)

(Source: PHMSA) ■





## PHMSA: Transporting Infectious Substances

**T**HE FEDERAL HAZARDOUS MATERIALS REGULATIONS that govern the transportation of medical waste that may be contaminated with infectious substances, such as Ebola, provide for stringent requirements for packaging and transportation. Medical waste Federal, state and local governments that choose to transport these materials with their own vehicles and employees, are exempt from the regulations.

Earlier this week PHMSA published a safety advisory to strongly encourage those agencies to follow the applicable safety regulations in the HMR if they choose to transport these materials. The safety advisory along with other guidance information can be found on our website:

<http://phmsa.dot.gov/hazmat/transporting-infectious-substances>



## Emergency Management Institute (EMI) to present Chlorine Release Virtual Tabletop Exercise (VTTX)

By Douglas M. Kahn, MEP, PCP, PACEM

**T**HE VTTX is a series of discussion-based Virtual Tabletop Exercises (VTTX) offered monthly by FEMA’s Emergency Management Institute (EMI), located in Emmitsburg, MD to your location using a video teleconference (VTC) platform. The VTTX process involves key personnel from the emergency management community of practice reviewing a pre-packaged set of exercise materials (Situation Manual and Power Point slide presentation) then convening for a four-hour tabletop exercise discussing a simulated disaster scenario with a total of 10 to 15 sites.

These events allows the connected sites to assess current plans, policies and procedures while learning from the other connected sites as they provide their perspective and practice facing a similar situation. A standard VTC system is required for participation. There is no cost for this program, what is required at the learning site, is a POC (or facilitator) that will guide the discussions.

Ten to 15 remote “Participating” sites are set per event due to time constraints. The program also allows for some additional “Observation” sites for each event to become familiar with the VTTX process.

The VTTX is designed for a community-based group of 12 or more whole community representatives from your local Emergency Management Community of Practice.

This virtual tabletop exercise will enable the participants to exercise their knowledge, skills, and abilities needed to effectively conduct all-hazards emergency preparedness, response and recovery.

The VTTX program goals include:

- 1) Prepare participants for a designated disaster affecting their community.
- 2) Enable participants to better coordinate their response operations with counterparts from local governments, other State governments, Federal agencies, private sector organizations, and nongovernmental agencies.
- 3) Allow communities to practice using their VTC technology to test policy, plans and procedures.
- 4) Provide a virtual, experiential education environment to exercise and enhance critical response and recovery tasks.

The VTTX to be held on February 3, 4 and 5th, 2015, will be focused on a chlorine release scenario.

# DON'T MISS OUT!

The VTTX to be held on

## FEBRUARY 3-5, 2015

On each date, the same scenario will be used in the four hour blocks.

Monthly events and multiple offerings are announced via EMI’s home page located at <http://www.training.fema.gov/Programs/emiVTTX.aspx>; with scenarios for 2015 that include floods, active shooters, building collapse, long and short term recovery actions, agriculture, radiological, pandemic flu (health) and others developed by request. ■

For further information, please contact FEMA’s VTTX program manager, Douglas Kahn at [douglas.kahn@fema.dhs.gov](mailto:douglas.kahn@fema.dhs.gov)



# PHMSA Propane Cylinder Safety Materials

**O**N JULY 1, 2014, a large propane cylinder on a mobile food truck in Philadelphia, PA, ruptured catastrophically. The ensuing fire resulted in two deaths and 11 injuries. In light of this serious incident, the Pipeline and Hazardous Materials Safety Administration (PHMSA) is taking actions to address the hazards associated with compressed gas cylinders.

Both propane (Class 2.1, Flammable Gas) and the cylinder to which it is stored are regulated by the Hazardous Material Regulations (HMR). We have a shared responsibility in this area. Companies that fill propane cylinders play an important role in ensuring cylinders are in safe and serviceable condition. Education and awareness are critical to help achieve public safety and PHMSA asks for your support in this efforts.

## Cylinder Safety Flyer Download

[http://www.phmsa.dot.gov/pv\\_obj\\_cache/pv\\_obj\\_id\\_990E4B6A4F28FE46D20F97FB582BD40291F10E00/filename/cylinder\\_safety\\_flyer.pdf](http://www.phmsa.dot.gov/pv_obj_cache/pv_obj_id_990E4B6A4F28FE46D20F97FB582BD40291F10E00/filename/cylinder_safety_flyer.pdf)



## Food Truck Propane Cylinder Safety Webinar on You Tube

PHMSA conducted a free webinar Aug. 14 to increase awareness of cylinder safety requirements within the food truck community. Most people don't realize that propane and the cylinder in which it is stored and transported are both regulated by the federal Hazardous Material Regulations (HMR), and must meet specific safety requirements. Inspect propane cylinders often to make sure they're safe!

View the webinar on YouTube:

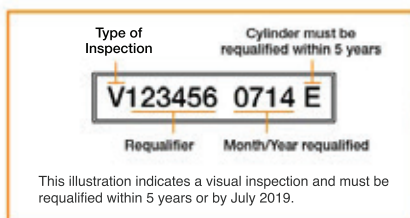
<https://www.youtube.com/watch?v=pcTAdYrD3Eo> ■

## Is your propane cylinder SAFE?

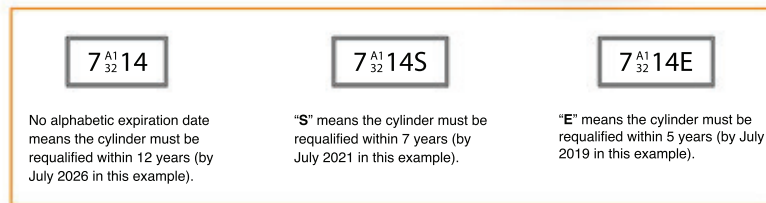
Propane cylinders must be periodically requalified to be safe for use\*. Do not use cylinders that have not been requalified because you risk property damage, severe injuries, or death.

To see if your cylinder is okay to use, look for these markings:

- A** **Manufacturing Date:**  
Cylinders must be requalified within 12 years of manufacture (in this illustration by May 2017).
- B** **Requalification Date:**  
If the cylinder is older than 12 years, look for a "requalification date".

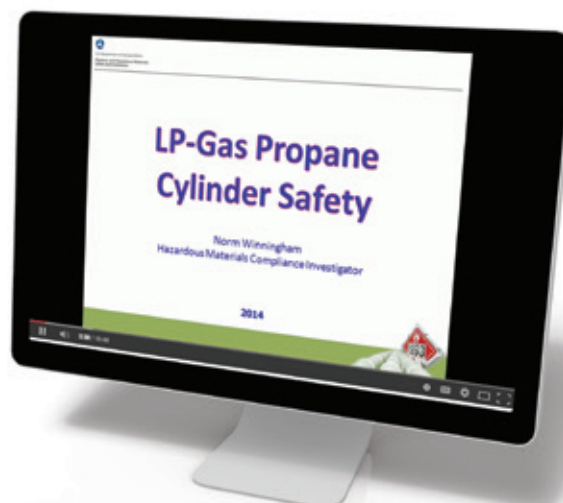


Other possible requalification markings:



\*A list of US DOT approved requalifiers and their ID number (RIN) is available on the PHMSA website: <https://portal.phmsa.dot.gov/rinlocator>

For more information, contact the Hazmat Info Center: 1-800-467-4922





# NATIONAL TRANSCAER® TASK GROUP 2015

**DAVID BINDER** (Vice Chairman)  
Director, Quality, Safety & Regulatory Affairs  
Tanner Industries, Inc.  
[DBinder@tannerind.com](mailto:DBinder@tannerind.com)

**CHAD BLAKE**  
Emergency Response and Preparedness  
Transportation & Distribution Safety  
Bayer MaterialScience LLC  
[chad.blake@bayer.com](mailto:chad.blake@bayer.com)

**DAVE BUCCOLO**  
General Manager  
Central California Traction Company  
[dbuccolo@cctrailroad.com](mailto:dbuccolo@cctrailroad.com)

**LAURA CHAMBERS**  
Director, Government Affairs  
The Fertilizer Institute  
[lchambers@tfi.org](mailto:lchambers@tfi.org)

**ED CHAPMAN** (Past Chairman)  
BNSF Railway (Retired)  
[SpikeBucket@gmail.com](mailto:SpikeBucket@gmail.com)

**ROMANO DESIMONE**  
Director Hazardous Material Systems  
CSX Transportation  
[Romano\\_DeSimone@csx.com](mailto:Romano_DeSimone@csx.com)

**PAUL DUCKWORTH**  
Manager, Preparedness and Response  
PotashCorp  
[paul.duckworth@potashcorp.com](mailto:paul.duckworth@potashcorp.com)

**MATT FORISTER**  
Assistant Director, Tank Car/HazMat Safety  
Association of American Railroads  
[mforister@aar.org](mailto:mforister@aar.org)

**GARY E. FRAZE, CSP, REPA**  
Global Distribution Safety &  
Emergency Response Competency Leader  
DuPont  
[Gary.E.Fraze@dupont.com](mailto:Gary.E.Fraze@dupont.com)

**DAVE GLEASON**  
Senior Director, Responsible Care®  
American Chemistry Council  
[dgleason@americanchemistry.com](mailto:dgleason@americanchemistry.com)

**DEREK LAMPKIN**  
Manager, Hazmat Field Operations and ER  
BNSF Railway  
[Derek.Lampkin@BNSF.com](mailto:Derek.Lampkin@BNSF.com)

**SUZANNA LEMIEUX**  
Senior Policy Advisor  
American Petroleum Institute  
[lemieuxs@api.org](mailto:lemieuxs@api.org)

**ERNEST J. MARCEL**  
Global Dangerous Goods Compliance Manager  
Chemtura Corporation  
[Ernest.marcel@chemtura.com](mailto:Ernest.marcel@chemtura.com)

**THOMAS F. MCGOURTY**  
Manager, North America Distribution Safety & Security  
BASF Corporation  
[thomas.mcgourty@basf.com](mailto:thomas.mcgourty@basf.com)

**STEVE M. MCNEALY**  
Senior Manager Hazardous Materials and  
Environmental Compliance  
Kansas City Southern Railway  
[smcnealy@kcsouthern.com](mailto:smcnealy@kcsouthern.com)

**KRISTY MOORE**  
Vice President of Technical Services  
Renewable Fuels Association  
[kmoore@ethanolrfa.org](mailto:kmoore@ethanolrfa.org)

**CHRISTOPHER REED**  
Chief Executive  
CHEMTREC®  
[creed@chemtrec.com](mailto:creed@chemtrec.com)

**FRANK REINER** (Chairman)  
President  
The Chlorine Institute  
[freiner@cl2.com](mailto:freiner@cl2.com)

**ROBIN R. RORICK**  
Director, Marine & Security  
American Petroleum Institute  
[Rorickr@api.org](mailto:Rorickr@api.org)

**MISSY RUFF**  
Technical Services Manager  
Renewable Fuels Association  
[MRUFF@ethanolRFA.org](mailto:MRUFF@ethanolRFA.org)

**DAVE SCHOENDORFER**  
Manager Hazardous Materials  
Norfolk Southern Corp  
[david.schoendorfer@nscorp.com](mailto:david.schoendorfer@nscorp.com)

**KEITH SILVERMAN, PH.D., MPH**  
Vice President EH&S and Product Regulatory  
Environmental Health & Safety, Ashland Inc.  
[ksilverman@ashland.com](mailto:ksilverman@ashland.com)

**ROLLIE SHOOK** (At-Large)  
Global Emergency Services Leader, CPP,  
Emergency Services & Security Expertise Center  
Dow Chemical Michigan Ops.  
[RBShook@dow.com](mailto:RBShook@dow.com)

**DAVID SLAUSON**  
Dangerous Goods Officer  
Canadian National  
[david.slauson@cn.ca](mailto:david.slauson@cn.ca)

**MATTHEW A. THOMPSON**  
Hazardous Materials Manager, Chicago  
Union Pacific Railroad  
[mathomps@up.com](mailto:mathomps@up.com)

**STEPHEN TORRES**  
Safety Director  
Schneider National Bulk Carriers  
[TorresS@schneider.com](mailto:TorresS@schneider.com)

**GABRIEL TREESH** (At-Large)  
Director Chemical Safety  
CSX Transportation  
[Gabriel\\_Treesh@csx.com](mailto:Gabriel_Treesh@csx.com)

**HENRY WARD**  
Vice-President, EPPS  
The Chlorine Institute  
[hward@cl2.com](mailto:hward@cl2.com)

## TRANSCAER® Partner Representatives

**ELLEN EDGE**  
U.S. Department of Energy  
Office of Packaging and Transportation  
Office of Environmental Management  
[Ellen.Edge@em.doe.gov](mailto:Ellen.Edge@em.doe.gov)

**SAMUEL W. HALL**  
Program Manager  
U.S. Department of Transportation (U.S. DOT)  
Pipeline & Hazardous Materials Safety Administration (PHMSA)  
[sam.hall@dot.gov](mailto:sam.hall@dot.gov)

**TOM KIDDY**  
United States Department of Transportation  
Pipeline and Hazardous Materials  
Safety Administration  
[KiddyT@dot.gov](mailto:KiddyT@dot.gov)

**LISA MATSINGER**  
Hazardous Materials Specialist  
U.S. DOT Federal Railroad Administration  
Office of Safety Assurance & Compliance  
[lisa.matsinger@dot.gov](mailto:lisa.matsinger@dot.gov)

## TRANSCAER® Staff Executive

**DONNA L. LEPIK**  
TRANSCAER® Staff Executive  
American Chemistry Council/CHEMTREC®/TRANSCAER®  
700 2nd Street NE, Suite 913  
Washington, DC 20002  
Office: (202) 249-6723  
[dlepik@transcaer.com](mailto:dlepik@transcaer.com)

## TRANSCAER® Today Design

**LEIGH ANNE FERENC-KAEMMER**  
Graphic Artist  
FERENCE-KAEMMER DESIGN LLC  
<http://ferencekaemmerdesign.com>  
[laferencekaemmer@gmail.com](mailto:laferencekaemmer@gmail.com)



# Notes from the Past Chairman

## Back To Our Future

With apologies to a similarly-named Michael J. Fox movie, I ask you to join me in taking a look at the tracks where TRANSCAER® has been for the past two years. We've had a great period of accomplishments since the last crew change on the National TRANSCAER® Task Group's (NTTG) Executive Committee. If by chance some of it got right by you, let's briefly review.

- TRANSCAER® continued to seek and obtain grant funding for training outreach. These programs were a great cooperative effort that aided thousands of first responders to be better prepared for chemical incidents.
- The NTTG Executive Committee initiated a planning protocol to consider the necessary strategies to keep TRANSCAER® a premier training organization.
- The NTTG established a committee to determine and share subject matter expertise to aid in presentations, especially in the realm of commodity-specific training.
- TRANSCAER® gladly welcomed the American Petroleum Institute as a sponsor.
- Jointly with the Association of American Railroads and the American Petroleum Institute, development was initiated for training programs for petroleum crude oil, now the nation's most-transported hazardous material.
- Testimony at NTSB, PHMSA, DHS and DOT hearings provided the medium to share TRANSCAER® accomplishments to a broad audience.

The Executive Committee can be forward-looking with a strategy for TRANSCAER®, garner sponsor support, receive grant funding and rejoice at the opportunities to showcase what TRANSCAER® is all about. However it all comes down to the most important TRANSCAER® component of all – YOU! TRANSCAER® remains successful because of YOU and all that YOU do. Just think about the many responders that have benefitted from your sharing of knowledge or that extra effort you put out to help make an event possible. YOU have made a difference and I'm confident that there are even greater things that TRANSCAER® can and will do.

As a philosopher aptly stated, "nothing is constant but change." And that's true here, too, as we're again at a crew change on the Executive Committee. I've certainly enjoyed the privilege of serving as your chairman, but I'm fully confident that the incoming crew will lay tracks even deeper into the TRANSCAER® pursuits. But it all goes back to our future – YOU. THANKS for all YOU have done and will continue to do for TRANSCAER®!

*Ed Chapman*

Ed Chapman, Past Chairman,  
National TRANSCAER® Task Group  
Executive Committee & BNSF Railway  
(Retired)



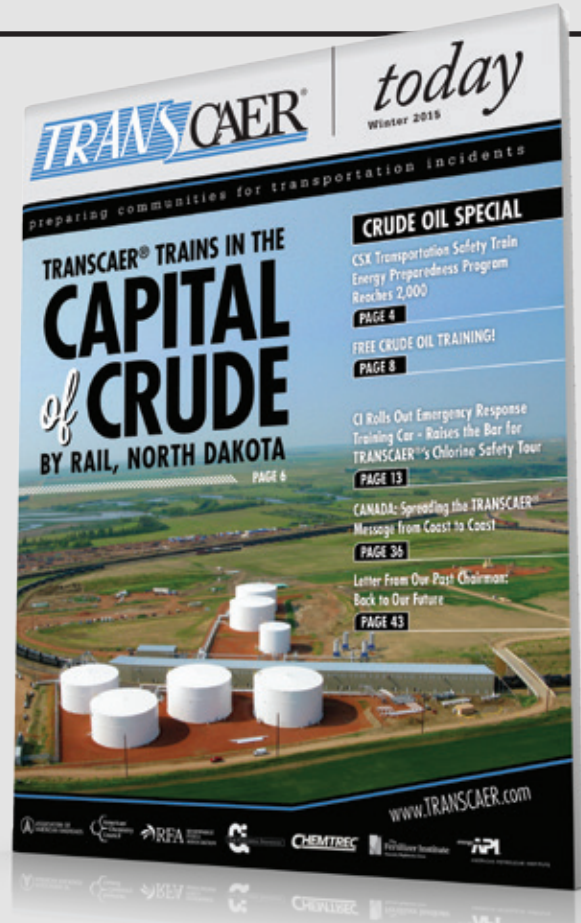


# THE TRANSCAER® MISSION IS TO:

Promote safe transportation and handling of hazardous materials

Educate and assist communities near major transportation routes about hazardous materials

Aid community emergency response planning for hazardous material transportation incidents



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