

preparing communities for transportation incidents

NEWLY UPDATED TRANSCAER[®] BRANDED ETHANOL TRAINING PROGRAM RELEASED

PAGE 04



TRANSCAER[®] 2016 AWARDS

TRANSCAER[®] Creating New
“Seconds Count, Are YOU
Prepared?” Video Series

PAGE 05

TRANSCAER[®] Mourns Loss
of Two HazMat Gurus

PAGE 18

NVFC Appoints
New Rep to NTTG

PAGE 20

Taming the Tiger:
The “D” Tour –
Daytona to Dover

PAGE 25

PHMSA to Release New
Chart 16 with Lithium Battery
Labeling and Marking & New
Chart 16 Mobile APP(lication)

PAGE 55

www.TRANSCAER.com

THE POTENTIAL FOR EXCEPTIONAL EXCELLENCE

One thing that always impresses me about the TRANSCAER® Team is their pride in and dedication to making a difference. They make a difference by volunteering to train emergency responders and communities so they are better prepared to respond to a possible hazardous materials transportation incident.

In 2016, during the 2016 North American tours, 49,999 responders were trained! That is great to see, and I wanted to take a moment to acknowledge and thank all the responders who attended training, as well as the instructors who shared their knowledge.

If you have never attended a TRANSCAER® training class – don't hesitate! Go on-line to www.transcaer.com and sign up now to receive training on anhydrous ammonia, chlorine, ethanol, crude by rail, or highway, rail and fixed facility safety.

As expected, this year is looking like another train hard year for the TRANSCAER® Team. The Annual International Association of Fire Chiefs (IAFC) Hazardous Materials Response Teams Conference was held in Baltimore in June. This is the largest hazardous materials conference in the United States, and at this conference you will find world-renown hazardous materials professionals and instructors. This year, there were TRANSCAER® sessions on anhydrous ammonia, railroad safety, and response, and responding to emergencies inside the facility gates.

In June, the Renewable Fuels Association and TRANSCAER® released the new Training Guide to Ethanol Response. The new program looks great and is jammed-packed with great information on ethanol and ethanol blended fuels, transportation and storage of ethanol and emergency response tactics. Be sure to check out www.ethanolresponse.com to download the materials, or reach out to have a DVD mailed to you @ Safety@EthanolRFA.org.

In order to keep continuously improving, we are always looking for feedback on TRANSCAER®, particularly what works, what people like and what needs to change. Earlier this year, we did a survey and the results suggest TRANSCAER® is delivering on its mission well. In addition, we received guidance on where we need to focus in the future. As a result of this, we have embarked on a project called "Seconds Count, Are You Prepared?" In the near future, TRANSCAER® will be making available short video clips that introduce and reinforce many of the aspects covered in our full training courses. These clips will be available on-line for download as a way for students to reinforce their learning and for instructors to use as a teaching aid. This is an exciting project, so keep a look out for it early this fall.

Keep learning, keep training and keep making a difference.



KEITH SILVERMAN, PhD, MPH

Chairman of the National TRANSCAER® Task Group
Vice President Global Operations, Quality and EHS
Ashland LLC
ksilverman@ashland.com



“

**“Keep learning,
keep training
and keep making
a difference.”**

CONTENTS



04 NEWLY UPDATED TRANSCAER® BRANDED ETHANOL TRAINING PROGRAM RELEASED

- 05 TRANSCAER® Creating New "Seconds Count, Are YOU Prepared?" Video Series
- 18 TRANSCAER® Mourns Loss of Two HazMat Gurus
- 20 National Volunteer Fire Council Appoints New Representative to National TRANSCAER® Task Group
- 25 Taming the Tiger: The "D" Tour - Daytona to Dover
- 55 PHMSA to Release New Chart 16 with Lithium Battery Labeling and Marking & New Chart 16 Mobile APP(lication)

AWARDS

- 10 Congratulations 2016 National TRANSCAER® Team Members
- 11 Mike Stephenson 2016 TRANSCAER® Chairman's Award
- 12 2016 TRANSCAER® National Achievement Awards
- 13 2016 TRANSCAER® Regional Achievement Awards
- 14 Norfolk Southern - National TRANSCAER® Achievement Award
- 15 Union Pacific HazMat Responders Proudly Holding the TRANSCAER® National Achievement Award

IN MEMORIAM

- 18 Michael "Mike" R. Ball
- 19 Dr. Kristinia "Krissy" Kreutzer

FEATURES

- 04 Newly Updated TRANSCAER® Branded Ethanol Training Program Released
- 05 TRANSCAER® Creating New "Seconds Count, Are YOU Prepared?" Video Series ?
- 06 2017-2019 NASTTPO Officers & Board Announced
- 07 La Crosse Wisconsin Fire Department and Oregon State Fire Marshal's Office Receive Donated BNSF Training Tank Cars to Enhance Responder Training Facilities
- 08 Canadian Pacific Donates CP400028 to REACT Center

PAST EVENTS

- 23 Northeast Florida Gets a Healthy Dose of TRANSCAER® Training Thanks to CSX
- 25 Taming the Tiger: The "D" Tour - Daytona to Dover
- 27 280 West Coasters Get Flammable Liquids TRANSCAER® Training During 2017 Tour
- 28 Cold Weather/Ice - Oil Spill Response Training
- 29 Strategy and Tactics for Incident Commanders Operating at a Rail Emergency
- 30 2017 Chlorine Institute/TRANSCAER® Tour - Underway - Richmond, CA and Seattle, WA Events Completed
- 32 CN and Hanover Township, IL: Working Together to Improve Emergency Preparedness
- 34 Norfolk Southern - TRANSCAER® in PA
- 34 TRANSCAER® Train Derailment Risk Assessment and Initial Action Plan Offered During HazMat Conference
- 35 This is a Drill! This is a Drill!
- 36 Preparing Our Communities TRANSCAER® Outreach Benefits Them All Big & Small
- 37 Truly TRANSCAER® in Action - TRANSCAER® Presents P4
- 38 CSX Teams Up with Wheeling and Lake Erie in Pittsburgh
- 40 What Happens When Houston Fire Department Shows Up at Your Trucking Terminal? You Train Them!

MEET OUR TEAM

- 02 Notes from a Chairman
- 20 National Volunteer Fire Council Appoints New Representative to National TRANSCAER® Task Group
- 21 TRANSCAER® Team Members
- 58 NTTG Roster

THANK YOU, TRANSCAER®

- 41 Norfolk Southern and SERTC - Celebrating a 20 Year Partnership
- 41 TRANSCAER® Celebrates 30th Anniversary with One-of-a-Kind Commemorative Challenge Coin
- 42 Letters of Thanks

MARK YOUR CALENDAR

- 44 Upcoming Events
- 45 NTTG 2017 Meeting Dates

REACHING OUT

- 46 Reaching Out

CANADIAN UPDATES

- 48 TRANSCAER® and GATX Team Up to Deliver Lessons On Railcar Safety in Banff, Alberta
- 50 National Canadian TRANSCAER® Committee Discusses Exciting Plans During Annual Face-To-Face Meeting in Toronto
- 51 TRANSCAER® Initiative Introduced at First Nations Emergency Management Forum
- 52 Canadian TRANSCAER® Shares Outreach Initiative With National Municipal Rail Safety Working Group

UPDATES & RESOURCES

- 53 Course: V-0001 - Virtual Tabletop Exercise Series (VTTX) Chlorine Release
- 54 Updated Guide for Rail Tank Car Emergencies Now Available
- 54 Norfolk Southern Railroad Emergency Response Planning Guide
- 55 PHMSA to Release New Chart 16 with Lithium Battery Labeling and Marking & New Chart 16 Mobile APP(lication)
- 56 PHMSA and OSHA Clarify Requirements for Labeling/Marking Hazardous Chemicals for Bulk Shipments
- 57 USDOT/PHMSA Develops New Online Code of Federal Regulations Mobile Application

NEWLY UPDATED TRANSCAER® BRANDED ETHANOL TRAINING PROGRAM RELEASED

ARTICLE BY MISSY RUFF, Renewable Fuels Association



ETHANOL REPRESENTS ABOUT 20% OF THE TOTAL HAZMAT SHIPMENTS and is the number two hazardous material shipped by rail today. It is important that the emergency response community throughout the country is well prepared and trained for ethanol and ethanol-blended fuel-related emergencies.

In 2006, the Renewable Fuels Association (RFA), along with partners, established the Ethanol Emergency Response Coalition, which developed safety and emergency response information for the emergency responder community. Through this coalition, the *Training Guide to Ethanol Emergency Response* training program was developed. This training program is a tool for emergency responders to improve their knowledge and ability to respond to emergencies involving ethanol and ethanol-blended fuels.

RFA just completed the newly updated 2017 version of the *Training Guide to Ethanol Emergency Response*. The program is TRANSCAER® branded and part of the TRANSCAER® National Training Tour, just like the Anhydrous Ammonia and Chlorine programs. The classroom portion is both available on DVD and downloadable online at www.EthanolResponse.com, which is a "one-stop shop" of ethanol safety and emergency information.

The ethanol safety program consists of eight modules and each has a video presentation, PowerPoint presentations embedded with instructor notes, instructor manual and a participant guide. The training modules cover: an introduction to ethanol; ethanol and ethanol-blended fuels; chemical and physical characteristics of ethanol and hydrocarbon fuels; transportation and transfer; storage and dispensing locations; firefighting foam principles; general health and safety considerations; and storage and pre-planning considerations.

Additionally, there are two videos that accompany the training modules. The first is the "Emergency Response Considerations" video, used in conjunction with the training modules. The next video is "Responding to Ethanol Incidents," a 20-minute video that provides the information first responders and firefighters in particular, will need if they are called to an ethanol incident.

In addition to updated content, the *Training Guide to Ethanol Emergency Response* now includes a Spanish version (a very special THANK YOU to Diego N. Gotelli and his team CIQUIME in Argentina for their generous support translating this training into Spanish) of the eight modules' PowerPoints, instructor manuals and participant guides. It also includes a new Rail Tank Car 101 walk-around video and PowerPoint presentation, as well as customizable posters, brochures and a press release template.

The DVD Extra's folder also includes: the 2016 U.S. DOT ERG; Association of American Railroads (AAR) Loading and Unloading video; 2017 Field Guide for Tank Cars; AAR Pamphlet 34; DOT Cargo Tank Motor Vehicle Loading/Unloading Operations: Recommended Best Practices Guide; CTRMC Trailer Climbing Training PowerPoint; RFA Fuel Ethanol: Guideline for Release Prevention & Impact Mitigation; RFA Guidelines for Hinged and Bolted Manway Assembly; RFA How to Properly Close a Tank Car Manway poster and brochure; and TRANSCAER® and CHEMTREC® information.

Through a Federal Railroad Administration/TRANSCAER® grant, the RFA is currently printing 25,000 *Training Guide to Ethanol Emergency Response* DVD copies for distribution across the country. The information on the newly updated DVD can be downloaded at www.EthanolResponse.com or www.transcaer.com. To request a physical copy of the training program, please email Safety@EthanolRFA.org. ■



TRANSCAER® CREATING NEW "SECONDS COUNT, ARE YOU PREPARED?" VIDEO SERIES

ARTICLE & PHOTOS BY DONNA L. LEPIK, American Chemistry Council/TRANSCAER®

Glen Rudner of NS preparing for his close-up during the TRANSCAER® "Seconds Count, Are You Prepared" video series during the annual IAFC International Association of Fire Chief's HazMat Conference in Baltimore, MD.

TRANSCAER® AND OUR NATIONAL SPONSORS are developing a new video series to provide responders with "digestible" short training videos dealing with a variety of hazardous materials transportation response training topics.

This new video series will be electronic-based, and shared primarily through the newly designed TRANSCAER® website, social media and mass email and downloadable via the TRANSCAER® website this Fall. Funding support for this training series is coming from an emergency response transportation grant through the United States Department of Transportation Federal Railroad Administration.

TRANSCAER® "SECONDS COUNT" VIDEO SERIES (10 VIDEOS TOTAL)

The "Seconds Count" title references the notion that in an emergency, responders may have only seconds to react safely. These videos will deliver important information in short :30- to :60-second concise presentations. These videos will be fast-paced, yet clear and informative and incorporate high-end, broadcast-level 3D animation, motion graphics and infographic design. Topics may include:

- How to Read a Placard
- What is the Emergency Response Guide?
- How Chemical Clouds Disperse?
- What's It Like Inside a Tank Car?

- An overview of contact information and current apps all responders should have on their smart phones, highlighting AskRail.
 - What is Immediately Dangerous to Life or Health (IDLH)?
 - How Can You Tell If a Tank Car Is Loaded in 10 Seconds?
 - Why Can't I Just Shoot Water on a Burning Tank Car – differences in chemicals' reaction to water on container (chlorine, LNG, AA, flammable liquids – specific to crude by rail and ethanol)?
 - Liquefied Natural Gas (LNG) Defined Properties and Hazards?
 - What are the Very First Things I Should Do When I Approach a HazMat Incident?
- (continued page 6 →)*

LEVEL

A



LEVEL A PROTECTION IS REQUIRED WHEN THE GREATEST POTENTIAL FOR EXPOSURE TO HAZARDS EXISTS, AND WHEN THE GREATEST LEVEL OF SKIN, RESPIRATORY, AND EYE PROTECTION IS REQUIRED.

LEVEL A IS RECOMMENDED FOR THE INITIAL ENTRY TO AN INCIDENT.

- POSITIVE PRESSURE, FULL FACE SELF CONTAINED BREATHING APPARATUS (SCBA)
- TOTALLY ENCAPSULATED CHEMICAL- AND VAPOR-PROTECTIVE SUIT (GAS TIGHT)
- INNER AND OUTER CHEMICAL-RESISTANT GLOVES
- DISPOSABLE PROTECTIVE SUIT, GLOVES AND BOOTS

Source: www.epa.gov/emergency-response/personal-protective-equipment

Clip from the new TRANSCAER® training video series "Seconds Count, Are You Prepared?" coming out Fall 2017.

TRANSCAER® “ARE YOU PREPARED?” VIDEO SERIES

These videos would deliver important information in a longer format - two to three minutes max - long enough to allow the viewer to digest the topic yet short enough to keep interest. These videos would similarly be fast-paced, yet deliver more detailed information on a broader level than “Seconds Count.” We will incorporate more detailed motion graphics and 3D animation. This series is designed to introduce a topic to the viewer with the understanding that further training may be required on the topic at hand. Topics may include:

- Chlorine railroad tank car walk-around to show features, markings, safeguards, etc. as they relate to first responders
- Anhydrous ammonia railroad tank car walk-around to show features, markings, safeguards, etc. as they relate to first responders
- Anhydrous ammonia railroad nurse tank or tank truck walk-around to show features, markings, safeguards, etc. as they relate to first responders
- Ethanol railroad tank car walk-around to show features, markings, safeguards, etc. as they relate to first responders
- LNG railroad tank car walk-around to show features, markings, safeguards, etc. as they relate to first responders
- What happens when a call comes into CHEMTREC?
- How and when to use Emergency Kits A, B and C for chlorine leaks
- Relationships are key and they take work - build them before the incident
- How does foam work when fighting an ethanol fire?
- Overview of Personal Protective Equipment (PPE)

TRANSCAER® TEAM MEMBER VIDEO SERIES

These short interviews - one to two minutes max videos - would feature leading industry representatives providing training and response insights specific to their area of industry expertise. A total of eight videos have been specified highlighting the eight suggested content areas below. Subject matter expert interviews with a representative may include the following industries:

- Chemical Manufacturer
- Highway
- Chlorine
- Ethanol
- Rail
- Anhydrous Ammonia
- Crude
- Liquefied Natural Gas



2017-2019 NASTTPO OFFICERS & BOARD ANNOUNCED



NASTTPO Leadership (left-right-back) Roy Rudisill, Colorado (Region 8 Representative); Allen Finkelstein, Ohio (Region 5 Representative); Mark Howard - Arizona (Treasurer); Tom Bergman - OK (Vice President); Tim Gablehouse, CO (President); Susan Knudson, Wisconsin (Membership Chair); Bernardine Zimmerman, Texas (Region 6 Representative); Faith Mayer, Maine (Region 1 Representative); Tonya Ngotel, Nebraska (Secretary); Lisa Sexton, Iowa (Region 7 Representative). Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®

The 2017-2019 National Association of SARA Title III Program Officials (NASTTPO) Officers & Board were elected during the annual meeting, which was held this spring in Cocoa Beach, FL.

NASTTPO was created to ensure State Emergency Response Commission (SERC) and Local Emergency Planning Committee (LEPC) had a voice and that changing information was passed on to the local level. The NASTTPO membership has included thousands of LEPC members, first responders and elected officials from across the Nation. Their roots remain steadfast in the Emergency Community Planning Right to Know Act (EPCRA of 1986).

The Board works to ensure the LEPCs voices are heard and has an appointed Government Affairs Director, Tim Gablehouse, whom serves as the voice of NASTTPO on congressional discussions. Ten regional representatives are elected to serve as the local voice on the board. A President, Vice President, Treasurer, Secretary and two Tribal Reps make up the executive committee. ■

LA CROSSE WISCONSIN FIRE DEPARTMENT AND OREGON STATE FIRE MARSHAL'S OFFICE RECEIVE DONATED BNSF TRAINING TANK CARS TO ENHANCE RESPONDER TRAINING FACILITIES

ARTICLE BY DEREK LAMPKIN, BNSF Railway

Photos by Paul Hester, Wenck Response Services



Rybak Companies trucking the tank car to the La Crosse Training Facility location.

THE LA CROSSE WISCONSIN FIRE DEPARTMENT and Oregon State Fire Marshal's Office requested tank cars for their training facilities so first responders within their department, and area mutual aid partners will have realistic training with an actual tank car.

The BNSF Railway donated decommissioned fuel cars to the La Crosse Fire Department and Oregon State Fire Marshal's Office (Eugene Springfield Training Facility) to enhance their training facilities, and allow first responders to have the opportunity to train on full size railcar equipment.

Each railcar was previously a BNSF owned fuel car that was decommissioned. As the requests were received for these assets at the fire departments training facilities, the railcars were purged, cleaned and sent to a nearby location where the tank cars could be trucked to each training facility location.

Upon arrival, the truck and wheel sets, along with the tank car, were loaded onto trucking equipment and placed at each training facility location. The tank cars were strategically placed to model a derailment scenario for the first responders. The coordination between all parties was exceptional and very well thought out when it came to the planning and logistics of each project.

The BNSF tank car donations not only grow a stronger stakeholder relationship between the railroad industry and first responders, but it will help better prepare responders within our communities for emergencies that may involve a rail incident. A special thanks goes to Rybak Companies for assisting with the La Crosse tank car move. ■



Top: La Crosse training tank car spotted at the new training facility.

Bottom: La Crosse donated BNSF training tank car being moved to training facility.



TRANSCAER® Team Members from the CP Hazmat and Environmental Team, BNSF Hazmat, Union Pacific Hazmat, CN Dangerous Goods, Rybak Companies and the React Center Staff posing with new donated rail car training prop.

CANADIAN PACIFIC DONATES CP400028 TO REACT CENTER

ARTICLE BY DARLENE NAGY AND ED DANKBAR, CP
Photos by Ed Dankbar, CP

TRANSCAER® **TEAM MEMBERS** from several Class 1 Railroads were on hand for the placement of the donated CP tank car CP400028 to the REACT Center on February 16, 2017 at Volk Field in Camp Douglas, WI.

CN donated new track panels for the CP400028 and existing railcar UTLX37605 to rest on the track panels donated by CN, which allowed the tank cars to be repositioned in an area that makes training more accessible to first responders.

The REACT Center serves as the regional training center for the Wisconsin State Response Teams.

The REACT Center strives to provide the most realistic training venues possible. The general service car donated by CP will provide responders in the region with hands-on training opportunities.

Rybak Companies provided the machinery to put everything into place. ■



Top: CP400028 was brought into Camp Douglas by rail and trucked into the REACT Center by flatbed truck. Rybak Companies then off loaded CP400028 and set it on the new track panels in the new REACT Center training area.

Bottom: Cars repositioned in new training area at the REACT Center, allowing easier access for first responders.



Assisting communities to prepare for and respond to possible hazardous materials transportation incidents



RESPONDERS TRAINED DURING 2016 NORTH AMERICAN TOURS

2016 TRANSCAER® NORTH AMERICAN TRAINING TOTALS

TRANSCAER® Team Members	Total Number Trained	TRANSCAER® Team Members	Total Number Trained
BNSF Railway	9,601	Renewable Fuels Association*	1,066
CN	8,137	Tanner Industries, Inc.	815
Canadian Pacific	4,048	The Chlorine Institute	1,298
Chemours (Memphis Plant)	233	The Dow Chemical Company	723
CSX Transportation	6,730	Union Pacific Railroad	8,000
DANA Transport Inc.	533	Wheeling & Lake Erie	182
Kansas City Southern	1,060	Canadian TRANSCAER® Regional Committee	2,000
Norfolk Southern Corporation	5,573	TOTAL	49,999

**RFA trained 271 during 14 Ethanol Seminars under TRANSCAER® in 2016 through the TRANSCAER® Federal Railroad Administration's Grant. RFA trained 795 qualified attendees to teach operational level ethanol emergencies during five ethanol emergency response train the trainer webinars/seminars under the Alert Grant through IAFC/ USDOT/PHMSA Grant.)*

OUR SUCCESSES

49,999
trained in 2016

Hundreds of 1,000s
trained since 1986

100s
of training events
offered yearly

Developed & offering training on anhydrous ammonia, chlorine, crude by rail, ethanol, and highway & rail safety

1,000s trained on anhydrous, crude, chlorine and ethanol

Sponsored by 7 national organizations

Collaborate with DOT/DOE/EPA/DHS

2016 NATIONAL TRANSCAER® AWARDS PROGRAM

THE FULL LIST
OF CURRENT AND
PREVIOUS AWARD
RECIPIENTS IS
AVAILABLE BY VISITING
THE TRANSCAER®
WEBSITE AT
[https://www.transcaer.com/awards/
past-award-recipients](https://www.transcaer.com/awards/past-award-recipients)

Congratulations

2016 NATIONAL TRANSCAER® TEAM MEMBERS

TRANSPORTATION SAFETY LEADERS RECOGNIZED FOR EFFORTS TO HELP PROTECT COMMUNITIES

TRANSCAER® (Transportation Community Awareness and Emergency Response), a nationwide outreach effort that focuses on assisting communities to prepare for and respond to a possible hazardous materials transportation incident, announced its 2016 award recipients. All of the recipients have demonstrated a clear commitment to the emergency responders and the communities where they serve to enhance safety. This year, there were 41 Individual Achievement Awards and 142 Certificates of Appreciation Awards among the awards given, including the following recipients:

DISTINGUISHED SERVICE AWARD

- ★ Dave Buccolo, Central California Traction Company, (Retired)

CHAIRMAN'S AWARD

- ★ Ed Chapman, BNSF Railway (Retired)
- ★ Mike Stephenson, Benjamin Moore & Co.

NATIONAL ACHIEVEMENT

- ★ BNSF Railway
- ★ CN
- ★ Canadian Pacific
- ★ CSX Transportation
- ★ DANA Transport Inc.
- ★ Norfolk Southern Corporation
- ★ Renewable Fuels Association
- ★ Tanner Industries, Inc.
- ★ The Chlorine Institute
- ★ The Dow Chemical Company
- ★ Union Pacific Railroad

REGIONAL ACHIEVEMENT

- ★ KCS Railway
- ★ New Jersey state TRANSCAER® team
- ★ North Dakota state TRANSCAER® team



2016 TRANSCAER® Chairman's Award

MIKE STEPHENSON

NEW JERSEY STATE CO-COORDINATOR, TRANSCAER®
MANAGER, CORPORATE HEALTH, SAFETY, AND SECURITY
BENJAMIN MOORE & CO.

Keith Silverman, NTTG Chairman; Mike Stephenson, Chairman's Award Recipient, New Jersey Co-State Coordinator for TRANSCAER®, Manager of Corporate Health, Safety, and Security, Benjamin Moore & Co.; David Binder, NTTG Vice Chairman.

Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®



2016 TRANSCAER® Regional & National Achievement Awards

Regional: Ryan Miller, KCS; National: Anthony Ippolito, CN; Chris Machenberg, CSX; Joe McCann, CSX; Frank Reiner, The Chlorine Institute, Past Chair NTTG; Robert Wood, NS; Paul Williams, NS; David Schoendorfer, NS; Tim O'Brien, Union Pacific Railroad. Photo by Andy Elkins, AAR



UNION PACIFIC RAILROAD

Tim O'Brien, Director Hazardous Materials, Union Pacific Railroad
Photo by Andy Elkins, AAR



RENEWABLE FUELS ASSOCIATION

Bob Dinneen, President CEO, Renewable Fuels Association
Keith Silverman, NTTG Chairman
Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®



CP

Jim Kozey, Director of Hazmat Programs, CP
Photo by Darlene Nagy, CP



CN

Anthony Ippolito, Senior Manager Dangerous Goods, CN
Photo by Andy Elkins, AAR



CSX TRANSPORTATION

Joe McCann, Manager of Hazardous Materials Field Services
Chris Machenberg, Director of Chemical Safety, CSX Transportation
Photo by Andy Elkins, AAR

Congratulations

2016 TRANSCAER® Regional Achievement Awards



TRANSCAER® STATE TEAM MEMBERS FOR NEW JERSEY

Sam Simon, Dow Chemical; Mike Stephenson, Benjamin Moore & Co.; Ed Patterson, Energy Transfer Sunoco Pipeline L.P.
Photo by Andy Elkins, AAR



KANSAS SOUTHERN RAILWAY

Ryan Miller, KCS
Photo by Andy Elkins, Association of American Railroads



TRANSCAER® STATE COORDINATORS FOR NORTH DAKOTA

Above: Renee Loh, former Executive Director of North Dakota Firefighter's Association.
Right: Kathleen M. Spilman, P.E., Managing Director, Keitu Engineers & Consultants, Inc. and Heather Miller, P.E., former Project Engineer, Keitu Engineers & Consultants, Inc.



Norfolk Southern – National TRANSCAER® Achievement Award

ARTICLE BY DAVID SCHOENDORFER, Norfolk Southern
Photos provided by Casey Thomason, NS Chief Photographer



In April 2017, the entire NS Hazardous Materials Group met in Atlanta, GA (on Peachtree Street) to be recognized for this outstanding accomplishment. Pictured from L-R: John Lerner, Paul Williams, Scott Deutsch, Robert Wood, Cris Burch, James Bryan, Scott Gould, Justin Hahn, Glen Rudner, and David Schoendorfer.

FOR THE 17TH TIME AND 15TH CONSECUTIVE YEAR IN 2016, Norfolk Southern (NS) earned a National TRANSCAER® Achievement Award. The award recognizes exceptional achievement in support of voluntary efforts by companies and others to help communities prepare for and safely respond to incidents involving transport of hazardous materials.

"This is a Big Deal," said David Schoendorfer, system manager hazardous materials, "I'm proud of the NS HazMat Group and the passion every member of our team exhibits daily to accomplish the mission of better preparing our emergency responders."

Norfolk Southern is a class I railroad that operates in 22 states in the eastern portion of the United States. NS has a long history of actively participating in TRANSCAER®, helping communities prepare for hazmat incidents through planning, drills, and training.

In 2016, NS conducted TRANSCAER® events in 18 of the 22 states in which they operate. TRANSCAER® training was provided to 5,573 emergency responders. Among the highlights of NS TRANSCAER® programs in 2016 was the launch of the new NS HazMat Safety Train (a multi-million dollar investment), including a dedicated locomotive, two training box cars, three tank cars, and two flat cars w/ ISO containers and multiple valve arrangements that can be made to simulate leaks.

NS also has launched a new website to help strengthen community relations with emergency responders and provide them additional resources - check out www.joinNSOAR.com. Additionally, NS made EMA donations in 16 states, totaling \$260,250. ■



"This is a Big Deal. I'm proud of the NS HazMat Group and the passion every member of our team exhibits daily to accomplish the mission of better preparing our emergency responders"

David Schoendorfer, System Manager Hazardous Materials, NS

Union Pacific HazMat Responders Proudly Holding the TRANSCAER® National Achievement Award



Front Row: Lane Sekavec, Dana Pompetti, Kim Keeling, Gerry Meza, Tyler Parker, Tim Bockman, Paul Holt, Mike Algots, Scott Kadous, Josh Carrillo, Tom Robinson, Jr., Michael Moore, Frank Lerch, Don Licht, Chip Heard, Dan Milovanovic, Jake Hammer, Geoffrey Reeder, Christina Karloff, Tim O'Brien. Back Row: Robert Bavier, Leo Marquez, Zac Albritton, Damian Guy, Joe Eichten, Matt Thompson, Mark Newton. Photo Courtesy of Tim O'Brien, Director Hazardous Materials, Union Pacific Railroad (Not pictured: Ben Salo)

The TRANSCAER® awards program is designed to:

Recognize the achievements of individuals, companies, and organizations which have gone beyond the normal call of duty to advocate, demonstrate, and implement the principles of TRANSCAER®

- ★ Enhance the public recognition of TRANSCAER® and
- ★ Increase participation in the initiative.

For additional information, please email Donna L. Lepik, Staff Executive, TRANSCAER® @ 202-249-6723 or dleplik@transcaer.com

TO LEARN MORE

about TRANSCAER® Awards, visit www.transcaer.com/awards

THE 2017 NATIONAL
TRANSCAER® AWARDS
ARE COMING.
STAY TUNED.



present

a classroom training event emphasizing ethanol and ethanol-blended fuels, chemical and physical characteristics of ethanol and hydrocarbon fuels, transportation and transfer, storage and dispensing locations, firefighting foam principles, general health and safety considerations, and storage and pre-planning considerations.



THE

ETHANOL

TRAINING TOUR

The Training Guide to Ethanol Emergency Response



COMING TO A CITY NEAR YOU!

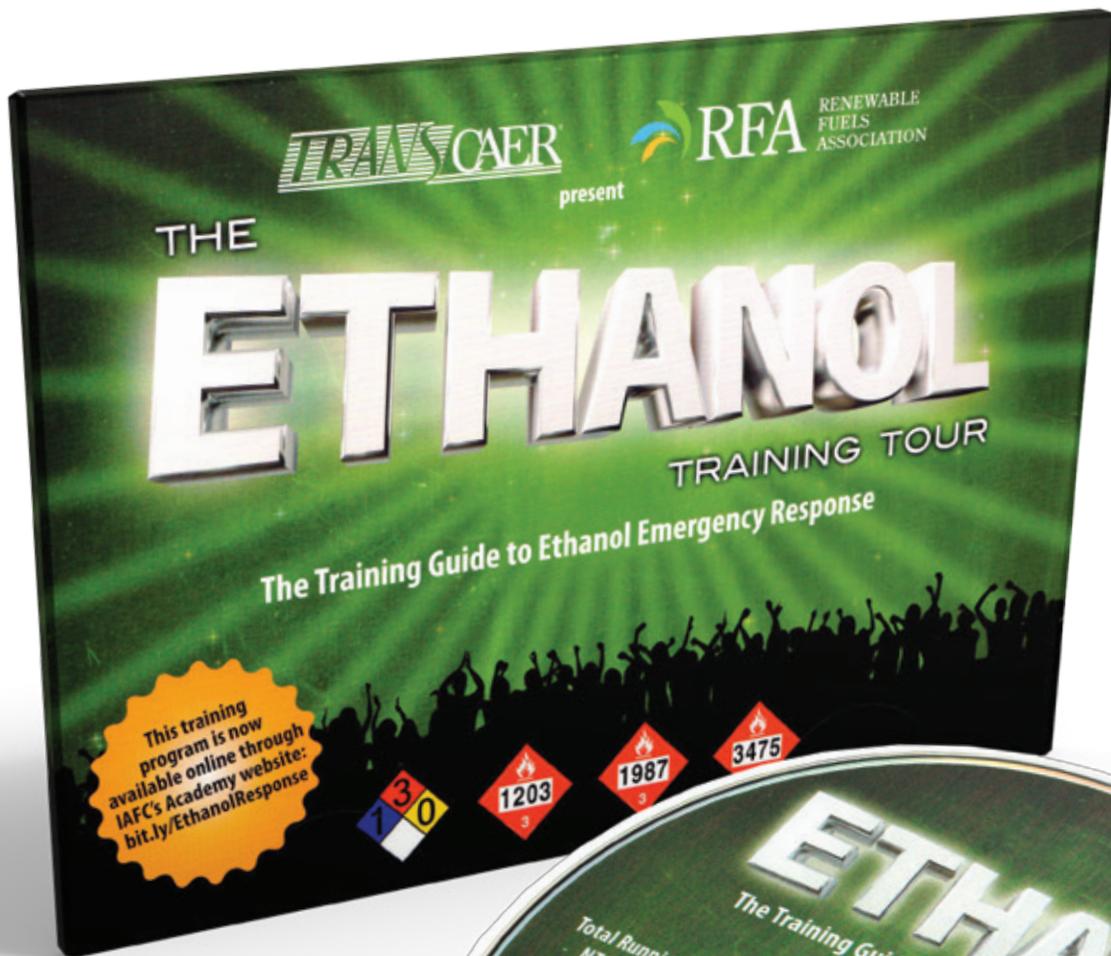
August 21-22, 2017 - Bartow, FL
August 23-25, 2017 - Tampa, FL
August 29, 2017 - Cheyenne, WY
August 30, 2017 - Laramie, WY

For seminar times and to register go to
www.rfa.traincaster.com



REQUEST YOUR DVD

of the Newly Updated TRANSCAER® Branded Ethanol Training Program



To request a physical copy of the training program, please email

Safety@EthanolRFA.org.

The information on the newly updated DVD can be also be downloaded at

www.EthanolResponse.com or

www.transcaer.com

IN MEMORIAM

IN CELEBRATION OF
MICHAEL "MIKE" R. BALL,
67, of Huron, Canadian Pacific Railroad/TRANSCAER® Team Member



Mike Ball "working" the TRANSCAER® booth during the Wisconsin Association of HazMat Responders Conference in Stephens Point, WI. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®

Long time TRANSCAER® Team Member Michael R. Ball, 67, of Huron, passed away Tuesday, July 4, 2017, at the Huron Regional Medical Center. His memorial visitation was held on Saturday, July 8, from 5 to 7 p.m. followed by a memorial service with military honors by the Huron Veterans Council at 7 p.m. at the Welter Funeral Home in Huron.

Mike started working with CP in Mechanical, then qualified as a conductor, and then went on to qualify as an engineer all before he began working in the Environmental and HazMat department. Prior to working with CP, Mike served in the U.S. Navy as a submariner. After commercial diving, Mike became a South Dakota Fire Marshal for 20 years and was a crude oil emergency response manager in Montana; with his fire and railway background combined, he was an invaluable asset to Canadian Pacific and the communities CP operates in.

Mike was a gifted educator, always keeping his students entertained and engaged. Mike had a diverse railway career that allowed him to speak knowledgeably about many different aspects of the railway. Mike always expressed a firm belief that the railway industry had a responsibility to the first responder community.

Mike believed that first responders needed to be aware of the dangers and hazards that they may face when responding to railway emergencies. He took this passion and belief to the road in a maroon pick-up truck named "The Cranberry." There was no fire department too big or too small – for over 20 years Mike would train them all.

Whether it be box cars, tank cars, or locomotives Mike was willing to share his

knowledge and passion with any first responder that would listen. He traveled from Portal, ND to Albany, NY spreading the good word, making sure that first responders knew what to do and how to do it, if ever they faced a railway emergency. If you named a city or town – you were almost assured Mike knew someone or taught someone across the CP network. His knowledge and advice was sought by many within the railway industry.

In 2014, Mike was instrumental in working with SERTC to develop the Crude by Rail training that is being taught to responders across North America. In 2015, Mike earned the TRANSCAER® Torch Award.

Mike had a firm belief in locomotive training. He used to tell the new guys "You cannot just spend five minutes on locomotives; there is more than five minutes to talk about." That is why Mike developed his locomotive response class. Today, Mike's class has been shared all over the Midwest. In honor of Mike's commitment, CP built a specialized training prop to augment Mike's class – the CP 1049 – dedicated to Mike. The prop is one-of-a-kind and was designed by Mike to better reinforce the lessons learned in the classroom.

Mike retired, but his lessons and legend continues to live on and will continue to influence the industry for many years to come. His dedication and sense of humor will be talked about for generations. **We'll miss you Mikey!** Visit www.welterfuneralhome.com



We'll miss you Mikey!

Right to Left: Ken Collins of CN and Mike Ball of CP horsing around at the Wisconsin Association of HazMat Responders Conference in Stephens Point, WI. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®; Mike Ball in his element sharing his vast railroad hazmat knowledge with first responders. Photo courtesy of CP; Mike Ball sharing some of his railroad hazmat experiences with members of three rivers; Mike Ball worked across all the lines (including railroads) sharing his knowledge with all and not just the response community. Here's Mike Ball with Derek Lampkin of BNSF Railway following their joint crude by rail TRANSCAER® training with the Mandan Fire Department in Mandan, ND. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®; Mike Ball was in his element teaching responders about the hazards including crude by rail as seen here at the SERTC training facility in Pueblo, CO. Photo courtesy of Mike Ball's family; Mike Ball proudly presenting his 2015 TRANSCAER® Torch Award dedicated to him for his many contributions to the TRANSCAER® program throughout his longtime career within the rail industry. Photo courtesy of Mike Ball's family; Mike Ball sharing some of his railroad hazmat experiences with members of the Thief River Falls Minnesota Fire Department. Photo by Ed Dankbar, CP; HazMat gurus Ed Dankbar and Dale Buckholtz of CP proudly showing off their new locomotive training prop dedicated to long-time TRANSCAER® supporter Mike Ball of CP at the Cold Zone HazMat Conference in Minneapolis, MN. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®

IN MEMORIAM

IN CELEBRATION OF DEPUTY CHIEF DR. KRISTINIA "KRISSEY" KREUTZER Mill Creek Delaware Fire Company, Research Chemist, HazMat Tech at Dupont



After close to 10 years of outreaching to the response community for CHEMTREC® and TRANSCAER®, I for one know how popular the infamous brightly colored yellow CHEMTREC® key tags are within the hazmat community. But, I also know we have a serious rival in the "tchotchke" department at every hazmat conference. YES, I am talking of none other than the ever so popular neon orange

"Krissy key chains" depicting our friend and colleague Dr. Kristinia "Krissy" Kreutzer, who passed away peacefully in her sleep after a courageous battle with cancer on the evening of March 10, 2017.

Krissy shared images of herself fully outfitted

in a DuPont ThermoPro™ garment to be used along with other photos to help DuPont come up with an accurate representation for their key chain.

"Krissy was considered one of our in-house subject matter experts when it came to the HazMat world and PPE, so we would often seek her input from a true end user's perspective. When we were making the ThermoPro® key chains, we reached out to her for advice and to insure authenticity - we wanted the keychain to be as true-to-life as possible. Krissy not only offered corrective advice, but also offered to put on the full ThermoPro® ensemble, including gloves and respirator, and to pose for 360 degree images so we could give them to the manufacturer. It worked out fantastically! To this day, the key chains remain one of our most



popular novelty items for customers, at trade events, etc. Krissy was proud to be our official 'model,' and we are truly grateful for her help, her passion, her friendship and everything she gave this industry," shared Liz Briggs, regional marketing manager, Tyvek® and Tychem® Protective Apparel.

Many throughout the hazmat response world have known and loved Krissy, who was a brilliant research chemist with DuPont for 25 years with numerous patents, and where she also served as an assistant chief with the site emergency response team. In between her full time job, teaching solo and jointly with many of the hazmat gurus across the U.S. was her passion. Krissy was also committed to serving as the deputy chief of the Mill Creek Fire Company in Delaware.

She obtained her BS degree in chemistry from the University of Maryland and a PhD in chemistry from the Massachusetts Institute of Technology. She was also a mentor to many and an instructor at the Delaware State Fire School.

Courtesy of the Mill Creek Fire Company:

"Her zest for knowledge goes beyond comprehension as she started her fire service career with the Mill Creek Fire Company (MCFC) in July of 2000. With a solid and intense background in chemistry her contribution to the fire service made her one of the most knowledgeable and sought after person when it came to hazardous materials; and she was extremely proud of it. She knew she was keeping people safe and especially knew how to diffuse a situation." People would say "if anything bad would happen I want to be with Krissy! She knew how to protect us from the bad things." She would always have a pack of pH paper in her turnout gear ready to deploy in a second.

Soon, she was a Delaware State Fire School instructor teaching Officer and Leadership, HazMat, CPR and EMS courses. She became one of the most sought after presenters in HazMat instruction throughout the country. And she did this on her own time and mostly without receiving a penny for her work. She also travelled to Canada and Europe spreading her knowledge on HazMats.

Her closest friends were beside her constantly during her declining weeks, taking care of her four parrots and her new friend, a four-year old greyhound rescue named Titan. She knew her life was coming to a close and she wanted us to promise her we would keep the faith and continue to the best as first responders.

She will be sorely missed by so many people. Rest in peace Krissy. We love you and we will always remember your contribution to science, the fire service, hazardous material response and emergency medical services!"

Krissy's firefighter's funeral was held on March 25, 2017 at the Mill Creek Fire Company Chambers Memorial Hall in Marshallton, DE.

Images on above from top to bottom: Krissy Kreutzer proudly shows off her DuPont ThermoPro™ garment "doppelganger" key chain; Krissy finesses her "devil sticks" during the IAFC HazMat Conference in Baltimore, MD; Krissy Kreutzer, Donna Lepik and Pedro Arrechea taking a break last fall during the annual Massachusetts HazMat Conference in Plymouth, MA.

Meet Our Team



NATIONAL VOLUNTEER FIRE COUNCIL APPOINTS NEW REPRESENTATIVE TO NATIONAL TRANSCAER® TASK GROUP

ARTICLE BY DAVE FINGER, NVFC

Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®

THE NATIONAL VOLUNTEER FIRE COUNCIL (NVFC), the national nonprofit organization representing the interests of the nation's volunteer fire, EMS and rescue personnel, recently appointed Ken Desmond to represent

the NVFC on the National TRANSCAER® Task Group (NTTG). Ken is the President of the Maine State Federation of Firefighters and represents MSFFF on the NVFC's board of directors. He is an active volunteer firefighter, a fire service training instructor, a hazmat operations instructor and a certified hazmat technician. Ken replaces Chief William Offerman of the Elwood (IL) Fire Protection District, who has represented the NVFC on the NTTG since 2015.

"I am very pleased to have an opportunity to join the NTTG and help connect the volunteer fire service with the outstanding hazardous materials transportation incident response training opportunities offered by TRANSCAER® members," said Ken. "I have been involved with fire service and hazardous materials response training in one capacity or another for more than three decades. Public expectations for service have increased substantially over the years, along with the vulnerabilities to hazardous materials incidents that many communities face."

National fire service needs assessments show that small communities in particular struggle to train and certify all personnel to be able to deal with the multitude of threats that most modern fire departments are expected to respond to. Most small fire departments are unable to provide specialized training in-house, and access to outside training is not always convenient or affordable. This is particularly problematic for rural fire departments that rely on volunteer staff.

The NVFC's state association members appoint representatives to the NVFC board of directors. In 2014 the NVFC surveyed its board to identify needs and challenges in each state related to hazardous materials response training. The survey results showed significant variation across the country related to state requirements on fire departments responding to hazardous materials incidents, as well as access to and demand for hazmat response training.

"One of the significant challenges that we face in the volunteer fire service is that there sometimes just isn't enough time in the day for everything that you have to do," said Ken. "As a volunteer fire chief, I know how overwhelming it can be to keep up with overseeing incident response, training and certification, fundraising, and all of the other little day-to-day tasks that go along with running a fire department. There is so much need, especially in rural areas, for the type of training and educational opportunities that TRANSCAER® members provide and I am excited to get to work."

The NVFC regularly promotes TRANSCAER® training offerings through its bi-weekly electronic newsletter, on its website and through emails to states where upcoming training events are being hosted. The NVFC will periodically partner with individual TRANSCAER members to promote specific training or educational offerings directly to NVFC members. More information about the NVFC can be found at www.nvfc.org. Ken Desmond can be contacted at kdesmond49@comcast.net. ■

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 or 202-249-6723.

TRANSCAER® Team Members



MICHAEL CRAWFORD

**PRESIDENT
OUTSORCERY, INC.**

Michael.Crawford@Outsorcery.Solutions

CO-COORDINATOR REGION 1

Mike has 47 years of experience in Hazardous Material Transportation and emergency response. Mike established dual careers while working his way through college. He served as a police officer who cross-trained as an EMT and member of the area Bomb and Arson squad. He attained the rank of Detective Sergeant. He also worked for a major oil company where he became a driver trainer and regional safety advisor.

In November 1989, Mike began working for a national transportation company specializing in petro/chemical transportation of liquid hazardous materials. He became their HSSE Director and Responsible Care® Coordinator. During his tenure there, he served as the company's On Site Incident Commander. Mike volunteered and assisted the University of Illinois, Fire Service Institute in the training of hazardous material technicians for area first responders. Mike holds a certificate from DOT as a Hazardous Material Transportation Instructor.

In October 2015, Mike entered semi-retirement. In March 2017, he was appointed Co-Coordinator, Region 1 for TRANSCAER® where he will proudly carry on his work for the emergency response community. ■



ERIN MURRAY

**LOGISTICS REGULATORY AFFAIRS MANAGER
KOPPERS, INC.**

murrayes@koppers.com

MEMBER, NATIONAL TRANSCAER® TASK GROUP

With 25 years of experience in senior-level leadership related to hazmat shipping procedures, compliance, coaching, and training activities, Erin Murray serves as Logistics Regulatory Affairs Manager in the Safety, Health, Environment and Process Excellence Department of Pittsburgh-based Koppers, Inc. – an integrated global provider of treated wood products, wood treatment chemicals and carbon compounds serving the railroad, specialty chemical, utility, residential lumber, agriculture, aluminum, steel, rubber, and construction industries.

Erin places a particular focus on providing training and tools to Koppers facilities around the world to help ensure that "Zero Harm" comes to the company's employees or property, its neighbors in the community, and the environment at large. She spearheaded the ongoing effort to improve rail shipping practices that led to Koppers earning the AAR/BOE Grand Slam Award two years in a row for extraordinary achievement in safety performance in the transportation of hazardous materials by rail. She also works with the AAR and BOE to enhance understanding of hazmat shipping via rail, and has initiated implementation of the Ride Tight® Manway Securement Program at Koppers.

Erin has conducted Tank Trainer Seminars at Koppers where thousands of emergency responders, law enforcement, shippers, railroaders, and regulators receive certification in the safe handling of hazardous chemicals by rail. She also has worked with the U.S. Coast Guard, FBI, Department of Homeland Security, Transportation Safety Administration, along with employees of GATX, DuPont, BNSF and CN railways across North America to share information regarding responding to tank car incidents and providing educational information about hazmat shipping. Erin is a licensed U.S. Customs Broker under DHS/CBP, and is certified in DOT, TDG, IATA and IMO hazmat/dangerous goods shipping and compliance.

She earned a bachelor's degree in Human Resources Management from Geneva College, and a master's degree in Human Resources Management and Industrial Relations from St. Francis University, where she currently is pursuing a master of business administration degree. Erin lives in Pittsburgh with her family. ■

PAGE 58

**VIEW A FULL LIST OF
OUR 2017 NATIONAL
TRANSCAER® TASK GROUP**



Chlorine Properties - The Basics & Chlorine Emergency Response

WEBINARS

Chlorine Properties - The Basics

- ➔ Introduce TRANSCAER®, the Chlorine Institute, CHLOREP® and CHEMTREC®
- ➔ Provide an overview of the chemical properties, uses and hazards of chlorine
- ➔ Provide an understanding of how chlorine properties will affect emergency response, including exposure treatment and security concerns

Chlorine Emergency Response

- ➔ Introduce TRANSCAER®, the Chlorine Institute, CHLOREP® and CHEMTREC®
- ➔ Provide an overview of chlorine emergency response methods
- ➔ Provide an overview of the resources available to first responders in an emergency

Who Should Attend

Anyone who is interested in learning more about the basic properties of chlorine or about emergency response to a chlorine release, emergency responders, firefighters, EMTs, law enforcement officers, local emergency planning committees, emergency management professionals, and HAZMAT management professionals.

REGISTER

*Official dates, times and registration links for each webinar will be posted on The Chlorine Institute's website at www.chlorineinstitute.org/emergency-preparedness/er-training-outreach/. Participants must register in order to receive the login information.

2017 SCHEDULE:

📍 Date & Time	★ Topic
October 26, 2017 11:00 am EST	Chlorine Emergency Response
November 15, 2017 11:00 am EST	Chlorine Chemical & Physical Properties
December 5, 2017 11:00 am EST	Chlorine Emergency Response

FOR ADDITIONAL INFORMATION:

or for questions regarding registration please contact RaeAna Eiley at The Chlorine Institute (703) 894-4117 or reiley@cl2.com.

NORTHEAST FLORIDA GETS A HEALTHY DOSE OF TRANSCAER® TRAINING THANKS TO CSX



CSX Safety Train, Chlorine Tank Car Field Exercise, Green Cove Springs, Florida - April 3, 2017

ARTICLE & PHOTOS BY BROOKE MARTIN, CSX Transportation

THE CSX HAZARDOUS MATERIALS DEPARTMENT hosted several training events in Northeast Florida during the first quarter of 2017. The training was requested by the Northeast Florida Local Emergency Response Planning Committee (LEPC) Training Task Force. The training resulted in just over 400 responders (some repeat for various levels of training) that were able to attend the classes and cumulated in a regional full scale hazardous materials exercise

I sat down with Eric Anderson, Senior Regional Planner, NE FL LEPC Coordinator in the fall of 2016 to review the menu of courses that CSX offers for training first responders in safely responding to railroad hazardous materials incidents. Mr. Anderson took the list of options back to the LEPC Training Task Force, which then selected and developed a plan to cover their training needs, and at the same time incorporate a regional full scale hazardous materials exercise.

The first phase of the training was a classroom presentation "Emergency Response to Railroad Incidents" along with a field

demonstration utilizing the CSX "Dome Trailer." The Dome Trailer is a training asset that can be utilized at any location regardless of if railroad operations are nearby. It is easily towable and has valves and fittings from various general service cars and pressure cars. The classroom presentation paired (continued page 24 →)

CSX Emergency Response to Railroad Incidents Classroom with CSX Dome Trailer Field Demonstration, Palatka Fire Department, Palatka, Florida - March 14, 2017





CSX Emergency Response to Railroad Incidents Classroom with CSX Dome Trailer Field Demonstration, Fernandina Beach Fire Department, Fernandina Beach, Florida - March 21, 2017

with the Dome Trailer allows awareness level training for first responders regardless of if they have firefighting responsibilities, EMS, or are part of a hazmat team.

Sixteen classes were held at fire departments in six different counties in Northeast Florida where railroad operations are present. The classes were Tuesday, Wednesday, and Thursday from nine am till noon, except for one county, where a one-day class was appropriate for the size of the fire department. Overall, 218 first responders were trained between January and March.

The second phase of the training was hosted on the CSX Safety Train. This phase was tailored for the Northeast Florida counties with special operations / hazardous materials teams. The same class was taught Monday, Tuesday, and Wednesday the first week in April with 119 attendees. The morning session was hands-on training that covered rail cars, valves and fittings, and utilization of capping kits, rupture disks, manway gaskets, and spill confinement.

The afternoon session consisted of field exercises, which allowed the teams to practice responding in full personal protective equipment, as appropriate, based on the chemical and physical properties of the commodity simulated. The three stations were: a Chlorine tank car with the vapor line leaking, requiring a C-Kit application; a Liquefied Petroleum Gas tank car that had a loose valve handle and uninstalled secondary valve plug as well as leaking vapor line, requiring a Midland Kit application; and an Alcohol N.O.S. car that had a bottom outlet valve release and bad manway gasket, both requiring hands-on correction to stop the leaks.

The final phase of the training was the 2017 Exercise of the Northeast Florida LEPC Comprehensive Emergency Management Plan for Hazardous Materials, "Operation Loco-Motion" Regional Hazardous Materials Exercise. This was a four-hour exercise with 66 participants. The field exercise scenarios practiced during the previous three days of training, were the same used during the regional full scale exercise, with the addition of a locomotive diesel fuel release simulated. The full scale exercise required establishment of an incident command system, mutual aid, and involvement by three county hazmat response teams. Participants also included the State of Florida Department of Environmental Protection, Law Enforcement, private response



CSX Safety Train, LPG Tank Car Field Exercise, Green Cove Springs, Florida - April 3, 2017



Regional Hazardous Materials Exercise Hot Wash, Green Cove Springs, Florida - April 7, 2017

contractors and consultants, as well as CSX personnel.

The involvement of the Northeast Florida LEPC, specifically the Training Task Force, resulted in a successful training event and exercise spread out over four months. This was an opportunity for the first responder community to evaluate their training needs, and utilize a partnership and resources with CSX to provide valuable training and exercises to assist with preparation for response to a hazardous materials incident involving the railroad. The benefit for CSX is extremely valuable, as it allowed for the CSX Hazardous Materials Team to become familiar with the local responders and to practice a response. In the event of a real-life scenario, the first responders and the CSX Hazardous Materials Team will not be meeting for the first time, but have trained and practiced together, to help ensure an effective and safe response. ■

TAMING *the* TIGER

THE "D" TOUR - DAYTONA TO DOVER

ARTICLE & PHOTOS BY DAVID BINDER, Tanner Industries, Inc.



TRANSCAER® AND TANNER INDUSTRIES, INC. did full day training classes on emergency response to Anhydrous Ammonia, including live release drills, at the 10th Annual Delaware State Hazardous Materials Training Workshop held at the Delaware State Fire School in Dover, DE on April 7, 2017 and at the 5th Annual HazMat Symposium at Fire-Rescue EAST in Daytona Beach, Florida on January 19, 2017.

David Binder, Director of Quality, Safety and Regulatory Affairs for Tanner Industries, Inc. and Vice Chair of the National TRANSCAER® Task Group facilitated the full day class. Binder also directs Tanner's Ammonia Safety and Emergency Response Training (ASERT™) program.

The mornings consisted of classroom instruction on ammonia properties, transportation containers, types of releases, real-life cloud modeling and tactics for control and containment from both offensive and defensive approaches. Students also received a customized Emergency (continued page 26 →)

Response Guide Card for anhydrous ammonia. Then, it was out to the drill fields for hands-on training with cargo trailers provided by Tanner Industries, Inc.

Live anhydrous ammonia release drills followed with response team members practicing a tarp and cover control and containment method for suppressing ammonia releases. A liquid ammonia line was opened up, letting the "tiger out" and hazardous material response personnel attending the session tarped over the release point to control and contain the leak.

Approximately 30 plus students went through the training at each location, which was the class maximum for these full days of custom training.

David Irwin Jr., a Commissioner of the

Delaware SERC, and Chairman of the New Castle County LEPC was instrumental in coordinating TRANSCAER® and Tanner's participation for the Delaware program. Jamie Bethard, Emergency Response Operations Manager for Delaware Natural Resources and Environmental Control (DNREC), provided great support and resources for the live release drills and the program. His involvement and tremendous help ensured successful exercises.

In Florida, Rick Stilp, Region 5 HazMat Coordinator and District 6 LEPC Vice Chair, East Central Florida Regional Planning Council, Coordinated TRANSCAER® and Tanner's participation. Rick not only leads a Symposium but is a nationally recognized instructor in his own right. Butch Loudermilk, Lieutenant, Special

Hazards and Operations Team, Seminole County FL Fire Department, provided the additional support and resources for the live agent drills.

Jonathan Riggs, Lieutenant, Philadelphia Fire Department HazMat Task Force assisted with the training delivery and also suited up and handled initiating the releases at the Delaware program.

The efforts and expertise of all these great people, as well as many others not mentioned, were instrumental in helping to train and prepare responders. True TRANSCAER® teamwork in action.

Class evaluations and survey results showed outstanding grades for this valuable training in regards to instruction, content and the hands-on live release drills. ■



RECENT TRANSCAER® ANHYDROUS AMMONIA TRAINING PROGRAMS:

Taming The Tiger - Tactics and Tabletops - Response For Anhydrous Ammonia

Half-day classroom based programs were facilitated at the 2017 New York State HazMat Seminar in Montour Falls, NY (State Fire Academy) at the end of April, and then again over several days in Cedar Park, TX for various local fire departments and Williamson County TX hazmat personnel.

This program gets students ready and prepared to handle anhydrous ammonia incidents with a review an emergency response guide card specifically generated for anhydrous ammonia. The guide card provides valuable quick reference information for ammonia incidents from size up through response tactics, including live release footage. Short interactive tabletop scenarios were worked through 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.

Bryan J. Monacelli, Fire Protection Specialist, Special Operations Branch, NYS Division of Homeland Security and Emergency Services spearheaded Tanner Industries delivering the program.

In Texas, Brad Moore, Firefighter, Williamson County TX HazMat, took the lead in bringing this program to his local response personnel which included first in companies and hazmat response team members.

The "P4" Program

TRANSCAER® Presents P4 - Anhydrous Ammonia Response, Perfecting Properties, Processes and Packaging.

These sessions provide an overview of ammonia properties, including health effects and first aid. Common anhydrous ammonia use processes, such as industrial refrigeration, power plant pollution control treatment, and heat treatment, as well as types of containers and selected transportation packaging will be reviewed. Examination of real-life release modeling and live release footage, trouble shooting incidents, and will address response concerns such as indoor vs. outdoor releases, types of releases, PPE levels, and flammability concerns. Students were able to get up close and personal with an anhydrous ammonia cargo trailer (MC-331) for some valuable hands-on training at the IAFC International Response Teams Conference in Baltimore, MD on June 15, 2017. A combo of both lecture and hands-on training.

UPCOMING

MAHMT - Mass Association of HazMat Technicians, Plymouth, MA
September 20 & 21, 2017

HOTZONE, Houston, TX
October 19-21, 2017

Access the TRANSCAER® Anhydrous Ammonia online training program today @ www.transcaer.com/aa-tour

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TRAINING DURING 2017 TOUR



BNSF 99911 TRANSCAER® Training Car used for West Coast Flammable Liquids Tour



BNSF mobile classroom used for West Coast Flammable Liquids Tour.



BNSF Railway gearing up for West Coast Flammable Liquids Tour

ARTICLE & PHOTOS BY BY JAMES FARNER & JUSTIN PIPER, BNSF Railway

BNSF RAILWAY AND SHELL OIL in conjunction with TRANSCAER® and specialized railroad response contractors conducted a West Coast Flammable Liquids Tour focusing on the movement of flammable liquids by rail.

The training kicked off in mid-February at the BNSF Railway Mechanical Terminal in Commerce, CA and ended in early June at the BNSF Railway Terminal in Wenatchee, WA. The tour encompassed California, Oregon and Washington with a combined nine tour stops. The training was well received by more than 280 Federal, State and Local Responders.

BNSF Railway utilized their new training classroom box car BNSF 99914, training tank car BNSF 99911 and a DOT 117 tank car provided by Shell Oil.

The topics covered in the training included; familiarization with BNSF Railway, deciphering shipping papers, communication with the railroad, incident response procedures, flammable liquids properties, chemical characteristics (Crude Oil and Ethanol), firefighting procedures, case studies and BNSF Railway's response assets system wide for incident response.

The attendees were also given a familiarization with the DOT 117 tank car and the enhanced safety features for transportation of flammable liquids. The West Coast Flammable liquids tour was a success as multiple first responders received this training during the nine location tour stop. ■



COLD WEATHER/ICE – OIL SPILL RESPONSE TRAINING



ARTICLE BY CLEM W. SCHIMIKOWSKI, Canadian Pacific Rail
 Photos by Mark Pacicca, Miller Environmental Group



CP HazMat Officer Clem Schimikowski working with students doing a "Rodney's Roll" for gaining access to ice trapped oil in Plattsburgh, New York

Bridgeton's Crestwood Equity Partners partnered with local emergency responders to conduct a mock emergency drill at Crestwood's South Jersey Terminal.

O **N FEBRUARY 9TH**, Canadian Pacific Rail conducted their Cold Weather/Ice – Oil Spill Response Training on Lake Champlain in Plattsburgh, NY. This was the third time that the class was held and the second time on Lake Champlain.

Responders and regulatory agencies from across the Northeast and Canada attended the classroom and hands-on training covering the unique tactical, safety and recovery options that can occur with cold weather related incidents. The class room portion was held at the South Plattsburgh Fire Station followed up with hands-on evolutions on Lake Champlain. Topics covered included; how to self-rescue from the ice, appropriate personal protective equipment, how common tools on first due engine companies can be used along with the more advanced Oil Spill Response Organizations (OSRO) tactics for recovering oils in these conditions. Recent case studies where these tactics have been deployed were also reviewed and discussed. Upon completion of the classroom portion, students were able to practice the response tactics with on-ice evolutions to finish out the day.

Now that the ice has melted, look for the next class in 2018 in the Mid-West and in Canada. ■

STRATEGY AND TACTICS FOR INCIDENT COMMANDERS OPERATING AT A RAIL EMERGENCY

ARTICLE BY CLEM W. SCHIMIKOWSKI, Canadian Pacific Rail



CANADIAN PACIFIC RAIL sponsored a series of five workshops this Spring in conjunction with the New York State Fire Chiefs Association (NYSAFC), New York Office of Fire Prevention and Safety (OFPC), and the New York State Department of Environmental Conservation (DEC) on strategies and tactics for handling a derailment involving flammable liquids. These workshops were not designed to teach firefighters how to put foam on a fire, but rather provide incident commanders with an overview of the strategies and tactics necessary to operate during the first 15-minutes to eight hours of a derailment. These strategies can be utilized on a multitude of large scale incidents for both man-made and natural disasters, which helps develop an "All Hazards" planning approach to local communities.

The free five-hour workshop aimed for the command level staff and supporting officers provided them with an understanding of how to build a response plan for large-scale rail responses. This included deployment of first alarm resources

CP HazMat Officer Clem Schimikowski presenting a Rail Response module training in Saratoga Springs, NY.

Photo by Scott Pike, New York State Fire Chiefs Association



for their department, mutual aid departments, and other emergency response agencies. The program also demonstrated the assignment and coordination of responding fire officers and resources/supporting units to achieve unified command post staffing, rescue/evacuation, exposure protection/suppression, water supply, and foam/environmental operations. The forum provided attendees an interactive workshop where all agencies could work together to merge various objectives into a cohesive Incident Action Plan while integrating Geographical Response Plans (GRP's). ■

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2017 CHLORINE INSTITUTE/TRANSCAER® TOUR -

UNDERWAY

RICHMOND, CA AND SEATTLE, WA EVENTS COMPLETED

BY ERICA BERNSTEIN, The Chlorine Institute

Justin Piper, BNSF Railway walks participants around MCVX1017 to give them a better understanding of the anatomy of general service and pressure tank cars.



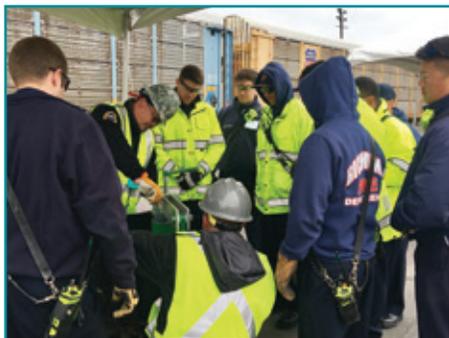
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THE CHLORINE INSTITUTE (CI) PARTNERED WITH THE BNSF RAILWAY to conduct its first two rail safety and hazmat emergency response TRANSCAER® training events of the year, in the San Francisco Bay Area at Richmond, CA on March 20-21 and Seattle, WA on April 18-19.

A typical training day begins with classroom

presentations on chlorine chemical and physical properties and emergency response, along with Railroad 101 presented by the hosting railroad. This is followed by hands-on practice in leak mitigation techniques on chlorine containers, including training on 150 lb. cylinder, one-ton container and 90-ton tank car. At these events, CI always tries to utilize the Institute's training car (MCVX 1017), which was developed in collaboration with the Fire Fighters Education and Training Foundation and a number of CI member companies and began service in 2014.

(continued page 31 →)



Instructors Zheng Li and Kerry Morelli from The Dow Chemical Company demonstrate the Chlorine Institute Emergency C-Kit in Richmond, California

RICHMOND, CA

There were 71 first responders, emergency management professionals, and HazMat management professionals from fire departments throughout the surrounding area including the City of Richmond Fire Department, Lodi Fire Department, Sacramento County Environmental Management Department, Contra Costa Health Services and Hazardous Materials Program, Contra Costa County Fire Protection District, City of Berkeley Fire Department, California Department of Fish and Wildlife, City of San Francisco Fire Department, Solano County Environmental Health, Ross Valley Fire Department, Sonoma

County Fire and Emergency Services, Nevada County Environmental Health, County of Sonoma, City of Richmond Police Department, U.S. Environmental Protection Agency, Federal Railroad Administration, Clean Harbors, City of Manteca Fire Department, and Sandia National Labs.

The event was covered by the Bay Area News Group that includes the East Bay Times and San Jose Mercury, among other publications.

Thank you to The Dow Chemical Company, Midland Manufacturing, BNSF Railway, and the Union Pacific Railroad for making our first stop a great success!



Firefighters from the Seattle Fire Department conduct a drill in their Level A PPE.

SEATTLE, WA

Despite rainy weather, 65 participants were trained in Seattle on April 18 and 19. The Chlorine Institute again partnered with BNSF to host this second TRANSCAER® event of the year.

Participants who attended serve in the Seattle Fire Department, Yakama Nation, Bothell Fire and Emergency Medical Services, Washington State Department of Ecology, Benton County Fire District #4, JCI Jones Chemicals, Inc., Zukerman Family Farms, East Jefferson Fire Rescue, Washington State Patrol, Mason County Fire District #16, NRC Environmental, GeoEngineers,

Washington Emergency Management Division, Snohomish County Fire District #7, Woodinville Fire and Rescue, and the Tacoma Fire Department.

At the end of both training days the Seattle Fire Department requested to do a drill in their Level A Chemical Protective Equipment on top of the training car and worked together to identify the leak point and apply the C-Kit.

On April 19, KING-TV, Channel 5, the Seattle NBC-affiliate, covered the training program and noted the partnership between The Chlorine Institute and the railroads.

Thank you to our instructors from Axiall, A Westlake Company; BNSF Railway; ChemE Consulting, LLC; Chemtrade Electrochem, Inc.; Kelso Technologies, Inc.; Midland Manufacturing; and NRC Environmental for dedicating your time to training first responders!

With five more stops in 2017, CI looks forward to continued success and we hope to see you at one of our training events this year! ■

FOR MORE INFORMATION:

Please visit the Chlorine Institute Website at <https://www.chlorineinstitute.org/emergency-preparedness/er-training-outreach/> to confirm event dates and register to attend a CI/TRANSCAER® training or contact RaeAna Eiley at The Chlorine Institute (703) 894- 4117 or reiley@cl2.com



2017 ★ CI TRANSCAER® TRAINING TOUR

2017 TRAINING SCHEDULE

📍 Location	★ Date*
Houston, TX	Aug. 28-29
Atlanta, GA	Sept. 18-20
Washington, DC	Oct. 11-13
Memphis, TN	Nov. 6-8

FEATURED HAZMAT:

Toxic Gases (Chlorine & Hydrogen Chloride); Corrosive Liquids (Hydrochloric Acid & Caustic Soda) & Flammable Gases (Vinyl Chloride)

FREE 1-DAY TRAINING EVENTS INCLUDE:

complimentary lunch, copies of training materials & certificate of completion.



CN AND HANOVER TOWNSHIP, IL: Working Together to Improve Emergency Preparedness

Bartlett, IL Fire Department
receiving instruction from CN
Dangerous Goods Officer John Day

C **N JOINED FORCES** with the Hanover Township Emergency Services Unit to conduct a full-scale exercise on Saturday, April 15, 2017, involving local fire departments, law enforcement agencies, utility providers, aid organizations and volunteers. The exercise was planned to test the Unit's emergency preparedness, efficacy of response and the integration of multiple township responders and agencies into one unified command. Along with assistance in preparation, planning, and equipment, CN's Dangerous Goods Team demonstrated CN's response methodology and the appropriate safety measures to take when confronted with the unique hazards posed by a train incident.

The event, which was hosted at CN's Spaulding Yard in Bartlett, IL, was a collaboration of multiple agencies and involved nearly 100 people. The scenario featured a collision between a train, a car, and a bus, all containing passengers. Altogether, 18 agencies participated and helped to coordinate the exercise, which helped to identify gaps in communication, equipment and resources, and target areas for improvement.

"It was a very effective exercise," says John Day, CN Dangerous Goods Officer, of the full-scale event. "We had people play the injured motorists, with the organizers designating areas" (continued page 33 →)



"It's useful to review the protocols, clarify roles and practice our response in a low-stress environment; so that we can be as effective as possible should a real situation arise."

John Day,
CN Dangerous Goods



Top: Bartlett, IL Fire Department arriving on scene
 Bottom: Car vs. Train simulation - CN Spaulding Yard, IL

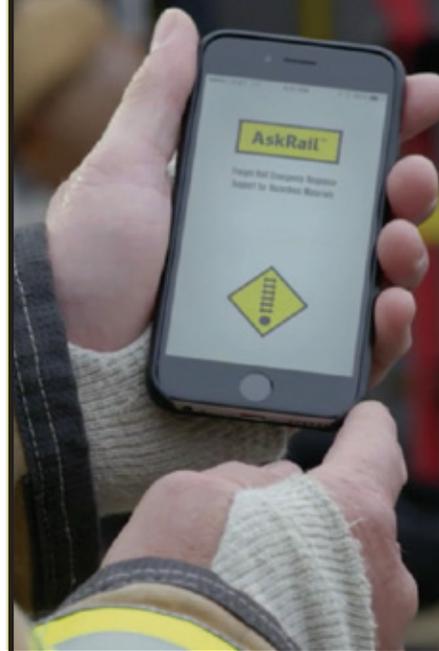
set up for medical triage, public information and a family reunification area. CN's 911 training tank car, which was hooked up to a smoke machine to simulate an impact, was on-site and an integral part of the exercise. The first responders got real-life experience on the tank car, including using the AskRail mobile app to view the contents and get other valuable information to help them make informed decisions until CN's Dangerous Goods team arrived."

John adds that staged exercises of this kind are important for practicing a coordinated approach to dangerous goods incidents. "There are always many different groups involved in responding to an incident," says John. "It's useful to review the protocols, clarify roles and practice our response in a low-stress environment; so that we can be as effective as possible should a real situation arise." ■



Bartlett, IL Fire Department applying water

The AskRail™ app is a safety tool for first responders.



The AskRail™ app is a safety tool that provides first responders immediate access to accurate, timely data about what type of hazardous materials a railcar is carrying so they can make an informed decision about how to respond to a rail emergency. AskRail is a backup resource if information from the train conductor or train consist is not available.

Learn more at www.askrail.us



NORFOLK SOUTHERN – TRANSCAER® IN PA

ARTICLE BY SCOTT DEUTSCH, Norfolk Southern
 Photos by David Schoendorfer, Norfolk Southern



Allen Richter explains the new DOT-117 tank car to responders

THE NORFOLK SOUTHERN SAFETY TRAIN rolled into the Abrams yard in King of Prussia, PA on May 2nd and trained 125 first responders on railroad safety, locomotive fires, and working with the railroad during emergencies. The first responders also learned about Apps

that are available for their smartphones to help them gather important information. One of those apps was AskRail to look up railcars, train consists, and hazardous material information. Also the FRA Grade Crossing app to help identify where you are located on a rail line.



Scott Deutsch covers safety briefing for working around rail equipment

The class then headed outside of the classroom for some in-depth training on the various tank cars and the flat cars that contain protective housing for several types of rail cars.

The responders had a lot of good questions concerning the rail cars and how the railroad operates. Evening classes work well for getting volunteers to the training. The primary instructors over the three-day period were from Norfolk Southern (Scott Deutsch, Scott Gould, and John Casey (retired)) and Conrail (Allen Richter). ■

TRANSCAER® TRAIN DERAILMENT RISK ASSESSMENT AND INITIAL ACTION PLAN OFFERED DURING HAZMAT CONFERENCE

ARTICLE BY DEREK LAMPKIN, BNSF Railway



Derek Lampkin, manager hazardous materials, field operations and emergency response at BNSF Railway. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®

EVER WONDERED WHAT HAPPENS DURING a train derailment involving hazardous materials or dangerous goods? Well, TRANSCAER® Team Member Derek Lampkin, manager hazardous materials, field operations and emergency response at BNSF Railway teamed up with two local hazmat pros from La Crosse, WI during the annual IAFC International HazMat Response Conference on June 17, 2017 in Baltimore, MD to discuss and share lessons learned from two recent incidents.

Lampkin tag-teamed with La Crosse Wisconsin Fire Department Captain and HazMat Team Leader Jeff Schott and Regional Hazmat Team Captain Greg Temp on this interactive session during the conference.

The presentation and interactive discussion looked at two train derailments. One of the real-life scenarios involved crude oil in Galena, IL and one involving ethanol in Alma, WI. The two case studies were broken down and looked at through the eyes

of the actual hazmat technicians who were there responding to the incident with the railroad staff.

Raw footage and images captured during the initial entry and tank assessments were the focal point of presentation. Also discussed and presented was the Initial Action Plan (IAP) and command structure. Actual (IAP) documents were used for the basis of discussion.

Materials and learning objectives for the class have been presented in outreach presentations for other fire departments and regional response teams with positive feedback. The class was designed with the strategic and tactical objectives needed within the first few hours of the initial response. Detailed damage assessment techniques and lessons learned by the facilitators during the actual incidents are real and well-illustrated in the presentation portion. Most of the media used during the presentation was taken by Schott and Temp. ■

THIS IS A DRILL! THIS IS A DRILL!

ARTICLE BY ROBERT WOOD AND SCOTT DEUTSCH, Norfolk Southern

Photo by Scott Deutsch, NS



Getting ready to kick-off the NS table-top drill in Aspinwall, PA - "This is a Drill!"

O N MAY 10, 2017 A southbound Norfolk Southern (NS) freight train was passing through the Rome, GA area. A citizen contacted the NS Police Communications Center and complained that a strong pungent odor was present when the train crossed Dempsey Street. The Chief Dispatcher for the Georgia Division was contacted and the train in question was identified as the 361G. The train was stopped on the mainline at Forrestville Yard in Rome, GA. The Chief Dispatcher then contacted Robert Wood, NS assistant system manager hazardous materials, who mobilized an emergency response contractor to inspect the train.

Immediately yard personnel reported a strong pungent odor in the yard. A light cloud was reported to be emanating from the protective

housing of the 10th head car. The train consist for train 361G was reviewed, and the car in the train, TILX123456 was identified as a load of sulfur dioxide. Sulfur dioxide is a Toxic Inhalation Hazard (TIH) with a placard number UN1079.

This scenario was presented to first responders and NS personnel. Thankfully this was not a real event, but a TRANSCAER® table-top exercise hosted by Norfolk Southern. The exercise included participants from law enforcement, fire service, hazardous material teams, as well as, emergency management personnel. The key objective of the exercise was to review the Yard Evacuation Plan for Forrestville Yard with the first responders who would be involved in an actual incident. The exercise led to some great dialogue between local NS Safety & Service Committee members and first responders, and was pre-planning at its best.

Meanwhile, up north, the day before, emergency responders and EMA personnel from Aspinwall, PA and their mutual aid departments were conducting a table-top exercise coordinated by NS, PA, TRANSCAER® companies, and CAI consultants. Several assisting agencies also were role players for this training including: Allegheny County EMA, Allegheny County HazMat teams, and PEMA. A total of 62 emergency responders were fully engaged in solving the derailment scenario they were given. The group worked well together gathering information from the railroad, hazmat teams, local and county EMA's to assist the incident commander to resolve the incident.

NS is committed to making training available through collaborative partnerships that help prepare communities and responders for possible transportation incidents. ■

PREPARING OUR COMMUNITIES

BIG & SMALL

TRANSCAER® Outreach Benefits Them All

ARTICLE BY GLEN RUDNER, Norfolk Southern

NORFOLK SOUTHERN RAILROAD tracks crisscross both big and small communities throughout the 22 states that are serviced, and bringing TRANSCAER® sponsored training, which is the key to a strong integrated partnership if something occurs.

Recent TRANSCAER® training efforts by NS Hazardous Materials Compliance Officer Glen Rudner have been reaching those small communities that see heavy rail traffic, but do not have the staff or budgets to travel to training. Recently, multiple locations in Alabama (Alexander City, Attalla, Glencoe, and Springville) and Mississippi (Picayune and Poplarville) have been visited with over 150 emergency responders trained. Rudner also trained students during several classes at the annual IAFC HazMat Conference in Baltimore, MD.

"It is truly a great pleasure reaching out to these smaller departments that are unable to attend many of the training programs outside their locality," said Rudner. "There is an excitement and level of motivation brought to these classes by the responders who want to learn. Providing them this opportunity helps them and certainly Norfolk Southern should an incident occur."

Along with the training, other efforts that assist the responders include providing tools such as AskRail, FRA's Rail Crossing Locator, WISER and others such as www.joinNSOAR.com. These programs allow responders to recognize, identify, and notify the respective railroads when an issue occurs along their right of ways and it supports the continuing efforts of TRANSCAER® to provide for the safety of our communities. ■

Glen Rudner of NS providing Railroad Safety training during IAFC HazMat Conference in Baltimore, MD this summer. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®

TRULY TRANSCAER® IN ACTION

TRANSCAER® Presents P4

Anhydrous Ammonia Response, Perfecting Properties, Processes and Packaging at IAFC HazMat Conference

ARTICLE BY DAVID BINDER, Tanner Industries, Inc.

Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®



“

“This type of product specific training is invaluable in aiding emergency responders and other personnel...”

David Binder, Tanner Industries

David Binder and Pat Glynn of Tanner Industries, Inc. provided IAFC HazMat Conference students with the opportunity to get up close and personal with an anhydrous ammonia cargo trailer (MC-331) for some valuable hands-on training on June 15, 2017 in Baltimore, MD.

TRANSCAER®'S VICE CHAIRMAN DAVID BINDER OF TANNER INDUSTRIES, INC.

led his new TRANSCAER® P4 training dedicated to anhydrous ammonia response, Perfecting Properties, Processes and Packaging during the annual International Association of Fire Chief's International Hazardous Materials Response Teams Conference on June 15, 2017 in Baltimore, MD.

Binder's TRANSCAER® training class focused on handling ammonia incidents from start to finish, beginning with an overview of ammonia properties, including health effects and first aid. His session also reviewed common anhydrous

ammonia use processes, such as industrial refrigeration, power plant pollution control treatment and heat treatment, as well as, types of containers and selected transportation packaging.

Binder also examined real-life release modeling and live release footage, troubleshoot incidents and addressed response concerns such as indoor vs. outdoor releases, types of releases, PPE levels, and flammability concerns.

Students then had an opportunity to get up close and personal with an anhydrous ammonia cargo trailer (MC-331) for some valuable hands-on training. Pat Glynn of Tanner Industries, Inc., in

Havre de Grace, MD assisted with the hands-on trailer review.

“This type of product specific training is invaluable in aiding emergency responders and other personnel who may deal with ammonia, to safely, effectively and efficiently respond to potential situations and protect the safety and health of their personnel and local communities,” said David B. Binder, director, quality, safety & regulatory affairs for Tanner Industries, Inc. “It was a great pleasure to work with personnel from all across the country and the world at this international hazmat response conference.” ■

CSX TEAMS UP WITH WHEELING AND LAKE ERIE IN PITTSBURGH

ARTICLE BY JOHN VERGIS, Wheeling and Lake Erie Railway & JOE TAYLOR, CSX Transportation
Photos by John Vergis, Wheeling and Lake Erie Railway

A S PART OF ITS CONTINUED COMMITMENT TO TRANSCAER® and to first responder hazmat training, CSX Transportation (CSX) teamed with Wheeling and Lake Erie Railway (WLE) at the WLE "Rook Yard" in Carnegie, PA from May 29 to June 2, 2017 to train 171 City of Pittsburgh Fire and HazMat and other area responders on Emergency Response to Railroad Incidents.

Two classes per day were offered, each during which responders were provided with a refresh on the class nine hazards and placarding requirements. Responders were also instructed on how to read the paperwork that accompanies rail cars carrying hazardous materials. This document or "train consist" is unique to the rail industry.

All responders were instructed on the anatomy of a locomotive, along with various types of rail cars that they may encounter. Great detail was given to the general service and high pressure tanks cars. During the training, half of the time was spent in the refurbished air-conditioned classroom training car that was once used as a box car. This training car is part of an entire set of cars operated by CSX. The second

half of the day was spent outside on top of tank cars where responders had hands-on instruction.

On June 3rd, participants from the City of Pittsburgh Fire Department and Hazmat teams along with Allegheny HazMat teams participated in various activities, which reinforced the proper placement of the various capping kits.

Other area responder groups who participated in this TRANSCAER® training included: the City of Pittsburgh EMA, Allegheny County HazMat 450, Allegheny County HazMat 440, Allegheny County HazMat 450, City of Pittsburgh Police, City of Pittsburgh Rescue 1, NIOSH, Greentree Borough, City of Pittsburgh EMS, Allegheny Fire Academy, Pittsburgh Bureau of Fire, MHF

Services, the North Hills Response Team, Crafton Volunteer Fire Department (VFD), Washington County HazMat, West Newton Borough Emergency Management, Collinsburgh VFC, City of Greensburg Police Department, Greentree VFD, McKees Rocks VFD, Ross West View EMS, Allegheny County Silver Team, Reserve VFD and Forest Hills VFD.

CSX and Wheeling and Lake Erie Railway were proud to sponsor this TRANSCAER® training event. A special Thank You to Joe Taylor (CSX), Joe McCann (CSX), Rob James (CSX), Jack Baillie (HEPACO) and John Vergis (WLE) for assisting with instruction and planning for these TRANSCAER® events. ■



Drew McCarty, Specialized Professional Services (SPSI), gives instruction on the valving arrangements of a chlorine car.

ALLEGHENY COUNTY HAZARDOUS MATERIALS RESPONSE



Top row: Joe Taylor, CSX, gives classroom instruction on the nine hazard classes and placarding requirements; Rob James, CSX, gives instruction on the valving arrangement of a typical high pressure LPG car. Middle row: Jason Bishop, CSX, discussing locomotive 101. Bottom row: Rob James, CSX, goes over tank car markings; Jack Bailie, HEPACO, providing instruction on the proper installation of a chlorine "C-Kit".



WHAT HAPPENS WHEN HOUSTON FIRE DEPARTMENT SHOWS UP AT YOUR TRUCKING TERMINAL? YOU TRAIN THEM!

Two of the Houston Fire Department Hazardous Materials Response Units at Dana Transports at the La Porte, TX facility for training on Dana's specialty cargo tank wagon.

ARTICLE & PHOTOS BY GENE PATTEN & SKIP PARKER, DANA Transport, Inc.



Far left is Dana's Safety Manager Calvin Humphries of La Porte, TX along with HFD team members.

ON JUNE 26, 2017, we received a call from longtime friend Capt. Kevin Okonski with the Houston Fire Department (HFD) Hazardous Materials Team. His request was could we find time to provide TRANSCAER® training to a number of HFD team members on the Dana training trailer which was in town for the Dow and Union Pacific TRANSCAER® Tour throughout Texas this summer.

Since we were also preparing for stakeholder outreach with LyondellBasell on June 27, my response was we should be able to work your team in. Capt. Okonski asked what time? We said how about 1100. Our facility was less than two hours away. At about 1050, three HFD HazMat units

came rolling into our Dana La Porte, TX facility ready for some hands-on TRANSCAER® training.

The following pictures will show how Dana Transports reacts to our first responders needs. Conducting TRANSCAER® training with HFD is Dana's Safety Manager Calvin Humphries from the La Porte terminal and Skip Parker.

HFD members in attendance are: EO-Trevin Nelms, FF-Christopher Lee, FF-Dameon Phillips, FF-Carlos Moran, FF-Robert Luna, EO-Christopher Nolen, FF-Melvin Aldridge, EO-William Hageman, FF-Richard Sullivan, Captain-Rodolfo Mier, Captain-Bradley Maddin, and Captain-Kevin Okonski. ■



Smaller pictures, top to bottom: Houston Fire Department HazMat team members getting hands-on training with cut-away fittings and appurtenances used on liquid cargo tanks; Houston Fire Department team members getting a walk through Dana's cargo tank training; Houston Fire Department team members showcase Texas TRANSCAER® and Dana Transport on a hot Houston day at Dana Transport; Captain Kevin Okonski (far left) with team members of HFD inspecting assorted fittings and valves for on-going training with the Houston Fire Department HazMat team.



TRANSCAER® CELEBRATED 30TH ANNIVERSARY WITH A ONE-OF-A-KIND COMMEMORATIVE CHALLENGE COIN!

It's not too late to get yours!

In honor of TRANSCAER®'s 30th Anniversary Celebration last year, the National TRANSCAER® Task Group Executive Committee is pleased to offer for purchase a small token of appreciation highlighting the commitment, dedication and support of our unique nationwide volunteer outreach effort focusing on preparing communities for possible hazardous materials transportation incidents.

A limited supply of our 30th Anniversary Commemorative TRANSCAER® Challenge Coins are now available for purchase for only \$4.00 each plus shipping, handling and taxes. Each shipment has a minimal shipping fee of \$9.95 and a \$5.00 handling fee per order. At cost shipping rates will be applied at the time of purchase along with sales tax, where required.

Help us celebrate our 30th Anniversary by getting your limited one-of-a-kind TRANSCAER® coins shipped directly to you today.

TO PURCHASE YOUR COINS, VISIT THE
AMERICAN CHEMISTRY COUNCIL STORE:

[https://store.americanchemistry.com/
TRANSCAER-Commemorative-Challenge-Coin](https://store.americanchemistry.com/TRANSCAER-Commemorative-Challenge-Coin)

TRANSCAER® today - Summer 2017 | 41

NS students in the SERTC classroom



Norfolk Southern and SERTC

CELEBRATING A 20 YEAR PARTNERSHIP

ARTICLE BY DAVID SCHOENDORFER AND JUSTIN HAHN, Norfolk Southern
Photos by Justin Hahn, Norfolk Southern

EACH YEAR NORFOLK SOUTHERN SPONSORS an Advance Tank Car Emergency Response Course at the Association of American Railroad's Security and Emergency Response Training Center (SERTC) in Pueblo, CO.

Over the past 20 years, NS and SERTC have been partners in training railroad personnel, emergency response contractors and local emergency responders. David Schoendorfer, NS system manager hazardous materials remembers first attending the SERTC in 1991, and has seen it grow over the years into a state-of-the-art training facility for the rail industry and local emergency responders. Since 1998, NS has held at least one class per year and sometimes as many as five, bringing East Coast participants a long way so they can experience this training.

As part of their TRANSCAER® outreach, NS typically pays the full tuition and travel for each emergency responder they sponsor at an average cost of about \$3,200 per individual. That's quite a commitment, but NS understands the importance of providing this training to responders and the need to support the

industry emergency response training center. Over the years, NS has also donated several rail cars, rail switches and a command bus that are used as props for the hands-on derailment exercises. ■

FOR MORE INFORMATION

on the training opportunities available
at SERTC click the following link:
<http://sertc.org/>



SERTC students participating in realistic field exercises

THANK YOU!



When TRANSCAER® receives letters of thanks, we like to share.

Grand Junction Fire Dept. Anhydrous Ammonia Training June 28 & 29, 2017



Thanks to the TRANSCAER® Training Team for putting on a very educational training! It took over 6 months to put together, but once the ball got rolling, Paul Duckworth with Potash Corp was the mastermind in the preparation, organization and planning of this two-day event. The training event was posted on the Colorado State training website and the registration was all on line! The only logistics I had to arrange was the classroom location and where to get equipment shipped.

I teach a lot of hazmat classes to our department and to our neighboring departments and this was by far one of the easiest classes to organize! The staff was very knowledgeable. We also were excited to have the actual rail car in the rail yard! As a firefighter, hands-on is the BEST way for us to learn and retain information. The Team made available two different kits to try for the rail car. We spent a couple hours the first day and about six hours the second day in the yard doing scenarios and practicing with the kits. The teaching staff are truly experts in the field and take pride in teaching first responders.

The class itself was customized to my specific requests. We have a lot of volunteer and combination agencies in Western Colorado and I wanted to make the class available to those who could attend one of two days but if anyone wanted to attend both, they could and the information would be different. The emphasis on day one was for hazmat operations and a "Rail 101" class for the safety aspect. Day two was geared towards hazmat technicians. We had a lot of hands on the second day. We laddered the car, hoisted tools and equipment up and stopped the leaks using the kits provided.

Great class!

Brandi Manuppella, Captain/Paramedic/Hazmat Tech
Grand Junction Fire Dept



From: Monacelli, Bryan J (DHSES)
Sent: Sunday, April 30, 2017 3:11 PM
To: Gabryelski, John; O'Hara, Richard J NIAG; Scarrow, Troy
Cc: Harrington, David (DHSES); Oliphant, Bruce (DHSES)
Subject: 2017 NYS HazMat Seminar

John, Rich, and Troy,

Thank you again for coming out to present at our seminar. We especially appreciate your flexibility with coming out early to present to our staff members. You provided invaluable training. Attached are the instructor evaluation forms from your presentations. The general consensus was that you guys did a phenomenal job and regarding the preconference, everyone wishes that they had more time with you guys!

Thank you again,

Bryan J. Monacelli
 Deputy Chief, Special Operations Branch

NYS Division of Homeland Security & Emergency Services
 Office of Fire Prevention and Control
www.dhSES.ny.gov



From: Scott Rice
Sent: Sunday, March 05, 2017 8:16 AM
To: Lerner, John E.
Subject: [EXTERNAL] Rail Training

Good morning John,

I wanted to thank you for the rail training that you provided, the feedback was positive from those that attended. I also wanted to let you know that just last unit day we had a car hit by a train. Fortunately, there were no injuries, the driver stated that Siri told her to turn right, so she did. Unfortunately, she was between two N & S tracks, her car got stuck and she was unable to push it out of the way before being hit by an oncoming train. Thanks to your training, all of my crew were confident in the proper procedures to stop on-coming traffic, chock the wheels and safely work around the tracks and with the rail representatives. As an instructor I understand that sometimes our trainings seem boring and fall on deaf ears. I want to assure you, that what you do is extremely important to responders and it helps ensure that all of our crews make it home safely at the end of the shift.

Thank you,
 Lt. Scott Rice
 Orange Township Fire department
 Delaware, Ohio 43015



MARK YOUR CALENDARS



UPCOMING EVENTS

Here's a listing of some upcoming training events.

Looking for TRANSCAER® Training?

www.transcaer.com/events

★ August 23-25, 2017

NORFOLK SOUTHERN SAFETY TRAIN

Responding to emergencies on the rail

📍 LOCATION: Bristol, VA

7 TIMES OFFERED!

August 23, 2017 | 8:30 AM to 12:00 PM
August 23, 2017 | 1:00 PM to 5:00 PM
August 24, 2017 | 8:30 AM to 12:00 PM
August 24, 2017 | 1:00 PM to 5:00 PM
August 24, 2017 | 6:30 PM to 10:30 PM
August 25, 2017 | 8:30 AM to 12:00 PM
August 25, 2017 | 1:00 PM to 5:00 PM

★ August 25-26, 2017

THE DOW CHEMICAL COMPANY TRANSCAER® 2017 NORTHEAST TRAINING TOUR - OHIO

Emergency preparedness training for local and regional emergency response organizations and personnel. Community leaders are welcome to attend the sessions to learn how they can elevate their assistance and communications within their communities. **TRAINING IS FREE OF CHARGE TO ALL PARTICIPANTS.**

📍 LOCATION: Orville, OH

5 TIMES OFFERED!

August 25, 2017 | 8:00 AM to 12:00 PM
August 25, 2017 | 1:00 PM to 5:00 PM
August 25, 2017 | 6:00 PM to 10:00 PM
August 26, 2017 | 8:00 AM to 12:00 PM
August 26, 2017 | 1:00 PM to 5:00 PM

★ August 28-29, 2017

THE CHLORINE INSTITUTE - RAIL SAFETY & HAZMAT EMERGENCY RESPONSE TRAINING (IN COLLABORATION WITH PARTNER RAILROADS)

FEATURED HAZMAT: Toxic Gases (Chlorine & Hydrogen Chloride); Corrosive Liquids (Hydrochloric Acid & Caustic Soda) & Flammable Gases (Vinyl Chloride)

📍 LOCATION: Houston, TX

2 TIMES OFFERED!

August 28, 2017 | 8:00 AM to 4:00 PM
August 29, 2017 | 8:00 AM to 4:00 PM

★ August 30, 2017

THE CHLORINE INSTITUTE - EMERGENCY KIT "A" & EMERGENCY KIT "B" TRAINING (IN COLLABORATION WITH TRINITY WATER AUTHORITY)

FEATURED HAZMAT: Toxic Gases (Chlorine)

📍 LOCATION: Angleton, TX | 9:00 AM to 3:00 PM

📍 LOCATION: Round Rock, TX | 9:00 AM to 3:00 PM

★ August 31, 2017

THE CHLORINE INSTITUTE - EMERGENCY KIT "A" & EMERGENCY KIT "B" TRAINING (IN COLLABORATION WITH TRINITY WATER AUTHORITY)

FEATURED HAZMAT: Toxic Gases (Chlorine)

📍 LOCATION: Belton, TX | 9:00 AM to 3:00 PM

★ September 8-9, 2017

THE DOW CHEMICAL COMPANY TRANSCAER® 2017 NORTHEAST TRAINING TOUR - OHIO

Emergency preparedness training for local and regional emergency response organizations and personnel. Community leaders are welcome to attend the sessions to learn how they can elevate their assistance and communications within their communities. **TRAINING IS FREE OF CHARGE TO ALL PARTICIPANTS.**

📍 LOCATION: Martins Ferry, OH

5 TIMES OFFERED!

August 25, 2017 | 8:00 AM to 12:00 PM
August 25, 2017 | 1:00 PM to 5:00 PM
August 25, 2017 | 6:00 PM to 10:00 PM
August 26, 2017 | 8:00 AM to 12:00 PM
August 26, 2017 | 1:00 PM to 5:00 PM

★ September 12-14, 2017

NORFOLK SOUTHERN SAFETY TRAIN

Responding to emergencies on the rail

📍 LOCATION: Huntsville, AL

7 TIMES OFFERED!

September 12, 2017 | 8:00 AM to 12:00 PM
September 12, 2017 | 1:00 PM to 5:00 PM
September 13, 2017 | 8:00 AM to 12:00 PM
September 13, 2017 | 1:00 PM to 5:00 PM
September 13, 2017 | 6:00 PM to 10:00 PM
September 14, 2017 | 9:00 AM to 1:00 PM
September 14, 2017 | 1:30 PM to 5:30 PM

★ **September 18-20, 2017**

THE CHLORINE INSTITUTE - RAIL SAFETY & HAZMAT EMERGENCY RESPONSE TRAINING (IN COLLABORATION WITH PARTNER RAILROADS)

FEATURED HAZMAT: Toxic Gases (Chlorine & Hydrogen Chloride); Corrosive Liquids (Hydrochloric Acid & Caustic Soda) & Flammable Gases (Vinyl Chloride)

📍 **LOCATION:** Atlanta, GA

3 TIMES OFFERED!

September 18, 2017 | 8:00 AM to 4:00 PM
 September 19, 2017 | 8:00 AM to 4:00 PM
 September 20, 2017 | 8:00 AM to 4:00 PM

★ **September 20, 2017**

GRADE CROSSING COLLISION INVESTIGATION (GCCII)

Techniques and Safety for Rail Investigations

📍 **LOCATION:** Birmingham, AL | 8:00 AM to 4:00 PM

★ **September 22, 2017**

AMTRAK PASSENGER TRAIN EMERGENCY RESPONSE (PTER) TRAINING

Emergency Responder and others who may be a stakeholder in a Passenger Train Incident

📍 **LOCATION:** Birmingham, AL | 8:00 AM to 12:00 PM

★ **September 27, 2017**

KANSAS CITY SOUTHERN / MS STATE FIRE ACADEMY - TRANSCAER® TRAINING

How to work with the railroad during a rail emergency. Hazmat awareness. Overview of rail equipment. Emergency response procedures.

📍 **LOCATION:** Jackson, MS | 8:30 AM to 4:30 PM

★ **September 29-30, 2017**

THE DOW CHEMICAL COMPANY TRANSCAER® 2017 NORTHEAST TRAINING TOUR - NEW JERSEY

Emergency preparedness training for local and regional emergency response organizations and personnel. Community leaders are welcome to attend the sessions to learn how they can elevate their assistance and communications within their communities. *TRAINING IS FREE OF CHARGE TO ALL PARTICIPANTS.*

📍 **LOCATION:** Logan Township, NJ

2 TIMES OFFERED!

September 29, 2017 | 8:00 AM to 3:00 PM
 September 29, 2017 | 1:00 PM to 5:00 PM

★ **October 10-12, 2017**

NORFOLK SOUTHERN SAFETY TRAIN

Responding to emergencies on the rail

📍 **LOCATION:** Tuscaloosa, AL

7 TIMES OFFERED!

October 10, 2017 | 8:00 AM to 12:00 PM
 October 10, 2017 | 1:00 PM to 5:00 PM
 October 11, 2017 | 8:00 AM to 12:00 PM
 October 11, 2017 | 1:00 PM to 5:00 PM
 October 11, 2017 | 6:00 PM to 10:00 PM
 October 12, 2017 | 8:00 AM to 12:00 PM
 October 12, 2017 | 1:00 PM to 5:00 PM

★ **October 11, 2017**

METHANOL SAFE HANDLING

Methanol Safe Handling Best Practices

📍 **LOCATION:** Deer Park, TX | 10:00 AM to 1:00 PM

★ **October 11-13, 2017**

THE CHLORINE INSTITUTE - RAIL SAFETY & HAZMAT EMERGENCY RESPONSE TRAINING (IN COLLABORATION WITH PARTNER RAILROADS)

FEATURED HAZMAT: Toxic Gases (Chlorine & Hydrogen Chloride); Corrosive Liquids (Hydrochloric Acid & Caustic Soda) & Flammable Gases (Vinyl Chloride)

📍 **LOCATION:** Washington, DC

4 TIMES OFFERED!

October 11, 2017 | 8:00 AM to 4:00 PM
 October 12, 2017 | 8:00 AM to 4:00 PM
 October 12, 2017 | 6:00 PM to 10:00 PM
 October 13, 2017 | 8:00 AM to 4:00 PM

★ **October 11, 2017**

KANSAS CITY SOUTHERN TRANSCAER® TRAINING

How to work with the railroad during a rail emergency. Hazmat awareness. Overview of rail equipment. Emergency response procedures.

📍 **LOCATION:** Shreveport, LA | 8:30 AM to 4:30 PM

★ **November 10, 2017**

AMTRAK PASSENGER TRAIN EMERGENCY RESPONSE

Emergency response to passenger trains

📍 **LOCATION:** Greenville, SC | 8:00 AM to 12:00 PM

FOR A FULL LIST OF EVENTS OR TO REGISTER, PLEASE VISIT:

www.transcaer.com/events



UPCOMING NATIONAL TRANSCAER® TASK GROUP MEETINGS:

All NTTG meeting dates can be found on the TRANSCAER® website under NATIONAL. ■

★ **Thursday, October 12, 2017**
 Association of American Railroads,
 Washington, DC

★ **Thursday, December 7, 2017**
 American Chemistry Council,
 Washington, DC

reaching **OUT**

TRANSCAER[®] aims to reach out to a broad spectrum of stakeholders from responders, to government, to industry -- here's a taste of some of our recent OUTREACH efforts we have made across North America.



Annual Wisconsin Association of Hazardous Materials Conference, Stevens Point, WI | February 15-18, 2017

Holding Down The Fort: Class 1 Railroad TRANSCAER[®] Team Members: Ed Dankbar of CP; Tony Houdyshell, CP; Ken Collins, CN; Donna L. Lepik, American Chemistry Council/TRANSCAER[®]; Joe Eichten, Union Pacific Railroad and Paul Hester, BNSF Railway staying cozy during the annual Wisconsin Association of Hazardous Materials Response Conference February 15-18, 2017 in Stevens Point, WI. Photo courtesy of WAHMR



Howdy Partner: Chemical Safety Board Member Manny Ehrlich and NTTG Executive Committee Chairman Keith Silverman of Ashland, Inc. looking for opportunities for future outreach partnerships between CSB and TRANSCAER[®]. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER[®].

National Transportation Safety Board Headquarters, Washington, DC | March 29, 2017
The Little Black Box, That's NOT Black: TRANSCAER[®] Team Members visiting the National Transportation Safety Board's (NTSB) Headquarters March 29, 2017 in Washington, DC. Photographed from left to right: Erik Strickland and Steve Blackstone, NTSB; Bill Offerman, NVFC; Missy Ruff, RFA; Dave Druckenbroad, Ashland, Inc.; Paul Duckworth, Potash Corp; and Matt Thompson, Union Pacific Railroad. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER[®].



National Safety Board Meeting, Washington, DC | March 30, 2017

Promoting Safe Transportation: Members of the National TRANSCAER® Task Group participating in the spring meeting with members of the National Transportation Safety Board on March 30, 2017 at the Association of American Railroads in Washington, DC.

Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®.



IAFC HazMat Response Teams Conference, Baltimore, MD | June 14-18, 2017

49,999 TRAINED in 2016: NTTG Executive Committee Vice Chairman David Binder, of Tanner Industries, Inc. provided a TRANSCAER® update to members of the IAFC HazMat Committee on June 14, 2017 in Baltimore, MD. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®.



Up, Up And Away: TRANSCAER® Team Members were treated to a rare opportunity to learn more about how large scale exercise planning and site specific resources are positioned for airport incidents along with a behind the scenes tour of the Operations Center and an air side tour of Ronald Reagan Washington National Airport thanks to the generosity of Gary L. Davis, Manager of Airport Operations Department. TRANSCAER® Team partaking in the tour with Gary were: Ken Desmond, NVFC; Erin Murray, Koppers, Michael Crawford, Outsorcery, Inc.; Derek Lampkin, BNSF Railway and Paul Duckworth, Potash Corp. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®.



IAFC HazMat Response Teams Conference, Baltimore, MD | June 14-18, 2017

Outreach Old Timers: Tom Kiddy of USDOT/PHMSA/HAZMAT and Donna L. Lepik of American Chemistry Council/TRANSCAER® during the IAFC HazMat Response Teams Conference June 14-18 in Baltimore, MD.

Photo by Rob Krebs, American Chemistry Council



COHMED Conference, Savannah, GA | January 23-27, 2017

SHOUT, SHOUT...: COHMED Chair Donna McLean of Transport Canada/CANUTECH gave a shout out to both U.S. and Canadian TRANSCAER® programs during her opening remarks at the annual COHMED Conference January 23-27, 2017 in Savannah, GA. Thanks, Donna! Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®



Region 7 LEPC/TERC Emergency Planning & Response Conference, Overland Park, KS | July 20-22, 2017

There's No Place Like Home: Union Pacific Railroad's Lane Sekavec, TRANSCAER® State Coordinator for Kansas Swapam Saha and BNSF Railway's Derek Lampkin help make the Region 7 LEPC/TERC Emergency Planning & Response Conference on July 20-22, 2017 in Overland Park, KS a huge success. Thanks Lane, Swapam & Derek for hosting and rolling out the red carpet in Kansas. Photo by Donna L. Lepik, American Chemistry Council/TRANSCAER®



TRANSCAER® AND GATX TEAM UP TO DELIVER LESSONS ON RAILCAR SAFETY IN BANFF, ALBERTA

ARTICLE BY RYLEY WHITE, CIAC
Photos by Randy Mak, Dow Chemical



Main Photo: Training in progress on GATX's TankTrainer™ in Banff, Alberta.

Left: The exceptional planning team that made the event possible. Left to right - Dustin Ritter (CP), Trina Kautzmann (GATX), Casey Fletcher (GATX), Cris Mitchell (GATX), Jeff Nee (GATX), Bonnie Campbell (CP), George Biggs (GATX), Chris Ranger (Ironhorse Response), Alec MacKenzie (GHD), Kyle Lockwood (GHD), Chris Bews (Ironhorse Response). Missing from the photo are Curtis Myson (RAC) and Randy Mak (DOW)

THIS PAST MAY, the Prairie Region TRANSCAER® Committee teamed up with GATX Corporation and the Railway Association of Canada (RAC) to deliver training to community members, tank car shippers, and first responders in Banff, Alberta. The training sessions, which took place over a three-day period, were held alongside the annual Disaster Forum Conference (May 8-11). The conference provided participants a chance to network and learn about developments in risk management. First responders, industry representatives, as well as local, provincial, and federal safety experts were in attendance.

Kara Edwards, National TRANSCAER® Coordinator for the Chemistry Industry Association of Canada (CIAC), says organizing the training session along with the conference was a unique opportunity for TRANSCAER® to reach out to an audience beyond the traditional first responder community, since many of the participants from the conference were from the emergency management sector.

"It's great to work collaboratively across industries to enhance transportation safety and make sure communities are aware and prepared," says Edwards.

About 130 people participated in the training sessions, including attendees from the Disaster Forum Conference, GATX customers and members of the Banff and Canmore fire departments. A clear highlight of the event was the GATX training car, which gave participants an opportunity to learn the ins and outs of tank cars. The TankTrainer™ car – a mobile "classroom," as GATX calls it – is a 33,500-gallon tank car equipped with various fittings, coatings, and configurations for training purposes.

Jeff Nee, Vice-President, Employee Health and Safety at GATX, notes of the car, "It's equipped with all the various service equipment, which allows participants to see it all in one spot."

"We take them on top of the car, inside the car, around the outside, and go over things they should know," says Randy Mak, Prairie Region and National TRANSCAER® Chair.

GATX has offered more than 250 similar training sessions across North America since 1993, including one last April to members of Congress at Union Station in Washington, D.C. GATX has operations in Canada and is a CIAC Responsible Care® Partner. Nee says the training cars make their way to Canada every year.

In addition to the training car, GATX also offered training sessions inside a car resembling an actual

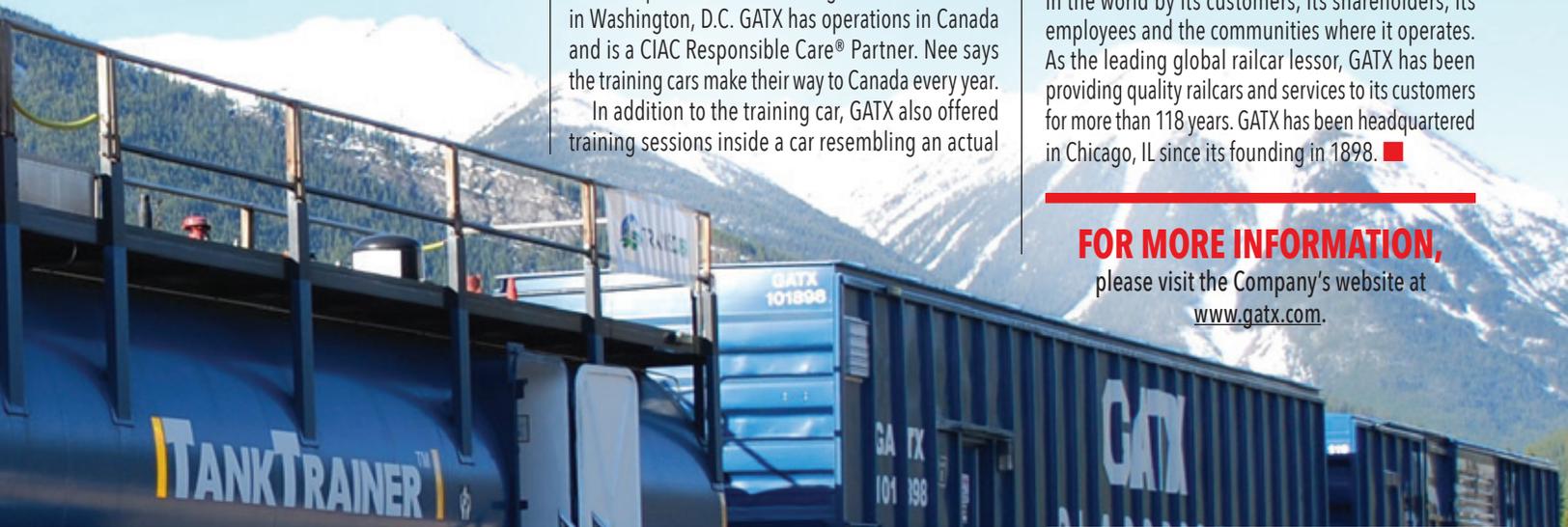
classroom, complete with desks and an instructor. Of the classroom sessions, Nee notes, "We provide a basic overview of the tank car and give them a basic understanding of the key components of the equipment on a tank car, such as how they are loaded and unloaded."

Mak explains that the event "all came together" because of the teamwork between the event planners, including Curtis Myson from RAC, Dustin Ritter from Canadian Pacific and Mak himself. Also instrumental in delivering the event were the teams from GATX, Ironhorse Emergency Response, and the Disaster Forum Conference.

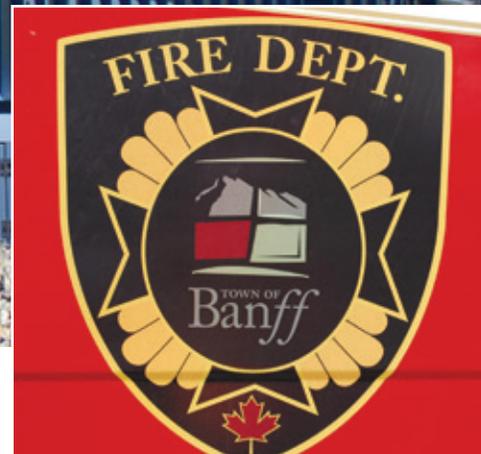
"Through the planning stages, we had to learn each other's different terminologies, and we all helped each other," Mak says. "The cooperation was tremendous." This was one of the first TRANSCAER® outreach events for the region in 2017 and it was a great example of how collaboration across industries can help inform first responders, emergency managers, and other key community members - helping ensure they are aware and prepared.

About GATX: GATX Corporation (NYSE:GATX) strives to be recognized as the finest railcar leasing company in the world by its customers, its shareholders, its employees and the communities where it operates. As the leading global railcar lessor, GATX has been providing quality railcars and services to its customers for more than 118 years. GATX has been headquartered in Chicago, IL since its founding in 1898. ■

FOR MORE INFORMATION,
please visit the Company's website at
www.gatx.com.



Training for local and surrounding community first responders using GATX's TankTrainer™ in Banff, Alberta



Logo for the local fire department in Banff, Alberta where the Disaster Forum, GATX and TRANSCAER® teamed up to deliver training with GATX's TankTrainer™.

NATIONAL CANADIAN TRANSCAER® COMMITTEE DISCUSSES EXCITING PLANS DURING ANNUAL FACE-TO-FACE MEETING IN TORONTO

ARTICLE BY KARA EDWARDS, CIAC



Key national and regional Canadian TRANSCAER® champions pictured at the Canadian TRANSCAER® booth at the Chemistry 2017 Solutions4Canadians Conference in Toronto, ON. From left to right: Lorna Young, CIAC; Randy Mak, Dow Chemical; Donna L. Lepik, American Chemistry Council/TRANSCAER®/CHEMTREC®; Bob Masterson, President and CEO CIAC; Chris Connors, Chemours; Kara Edwards, CIAC; Mike Drumm, Shell Chemicals; Carrie Maxim, NOVA Chemicals; and Colin Welch, Chemtrade Logistics. Photo by Shawna Bruce, The Dow Chemical Company

MEMBERS OF THE NATIONAL TRANSCAER® COMMITTEE met on April 18th in conjunction with the Chemistry 2017 Solutions4Canadians Conference, hosted by the Chemistry Industry Association of Canada (CIAC) in Toronto, ON.

At their annual face-to-face meeting, the National TRANSCAER® Committee welcomed two new members, Dave Hill of Quantum Murray Environmental representing the Canadian Emergency Response Contractors Alliance and Colin Welch of Chemtrade Logistics representing The Chlorine Institute.

Of the National TRANSCAER® Committee and members Donna L. Lepik with the American Chemistry Council noted, "It's refreshing and rewarding to work with professionals who embrace and value hazmat safety transportation planning and training."

Committee members discussed planning for an exciting new awards program, progress on a registration feature for the website and plans for promoting the Canadian TRANSCAER® initiative to various key audiences.

In support of extending TRANSCAER®'s awareness and recognition CIAC and the Railway Association of Canada invited the Honourable Marc Garneau, Minister of Transport, to attend a TRANSCAER® outreach event this summer.

While a full listing of Canadian TRANSCAER® training events is available on the www.transcaer.ca website, following are a selection of upcoming events for this summer and fall. We hope to see you there! ■

- ★ Yorkton, SK August 30-31, 2017
- ★ Assiniboia, SK September 6-7, 2017
- ★ Bowden, AB September 20-21, 2017
- ★ Whitecourt, AB September 27-28, 2017
- ★ Ottawa, ON October 11, 2017

Chemistry 2017 Solutions4Canadians Conference Material.
Photo courtesy of CIAC.

TRANSCAER® INITIATIVE INTRODUCED AT FIRST NATIONS EMERGENCY MANAGEMENT FORUM

ARTICLE BY ERIKA ADAMS, CIAC

TRANSCAER®: Your Partner
in Transportation Safety

First Nations Emergency Management Forum
March 2017

CHEMISTRY INDUSTRY
ASSOCIATION OF CANADA

TRANSCAER®
transportation safety

Kara Edwards, CIAC delivering a presentation on TRANSCAER® at the Assembly of First Nations Emergency Management Forum in Calgary, Alberta. Photo by: Greg Moffatt, CIAC

O N MARCH 29TH, Kara Edwards, Director, Transportation, Chemistry Industry Association of Canada (CIAC), Rob Hoffman, Director, Government & Stakeholder Relations, Canadian Fuels Association, and Dustin Ritter, HazMat and Emergency Response Officer, Canadian Pacific Railway, participated in a panel titled: *TRANSCAER®: Your Partner in Transportation Safety* at the First Nations Emergency Management Forum. This 3-day forum took place in Calgary, Alberta and brought together a broad range of individuals from across Canada involved in emergency management.

The panel presentation shared how industries work collaboratively to support the development of preparedness and resiliency initiatives at the community level through information sharing, collaboration, education, training and capacity building. The presentation tied in well with the one provided by Transport Canada on their available tools and role in the transportation of dangerous goods in Canada.

As Edwards explains, "it was a pleasure presenting on the TRANSCAER® initiative at the First Nations Emergency Management Forum. TRANSCAER® strives to work with First Nations to help ensure communities are aware of dangerous goods travelling through their communities and prepared should an incident occur. The forum offered a venue to share information, increase awareness of the initiative, and establish important networks for the future."

CIAC's participation in the forum built on the relationships with the Assembly of First Nations (AFN) developed through collaborative work in forums such as Transport Canada's General Policy Advisory Council (GPAC) and participation in AFN's General Assembly and Circle of Trade in 2015. At the same time, it aligned with the goal of expanding TRANSCAER®'s audience beyond the firefighter community and working with First Nations to host events in areas where it has not had as much representation or industry presence in the past.

CIAC looks forward to continued work and collaboration with First Nations in the area of emergency management and transportation safety. ■



Welcome banner greeting attendees of the First Nations Emergency Management Forum in Calgary, Alberta. Photo by Kara Edwards, CIAC

CANADIAN TRANSCAER® SHARES OUTREACH INITIATIVE WITH NATIONAL MUNICIPAL RAIL SAFETY WORKING GROUP

ARTICLE BY RYLEY WHITE, CIAC



ON JUNE 1, THE CANADIAN TRANSCAER® TEAM participated in a meeting hosted by the Federation of Canadian Municipalities' (FCM) National Municipal Rail Safety Working Group in Ottawa.

Kara Edwards, director, transportation and Canadian national TRANSCAER® coordinator, Chemistry Industry Association of Canada

and Adrian Michielsen, senior advisor, emergency preparedness with Imperial Oil were able to share TRANSCAER®'s outreach initiative with various municipal leaders from across the country, including the Mayor of Edmundston and councillors from Sherbrooke, Lac-Mégantic and Yorkton.

The National Municipal Rail Safety Working Group identifies and advances rail safety priorities within municipalities and is comprised of elected officials. The goal of the group is to equip and support municipal first responders to help them respond to rail emergencies and prevent rail safety emergency costs for local taxpayers.

The TRANSCAER® initiative and preparedness efforts were well received and appreciated by the working group members. Going forward, the Canadian TRANSCAER® program team members were encouraged to host more events in the Atlantic region and the Chemistry Industry Association of Canada hopes to partner with the FCM in more ways in the future. ■

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Updates & Resources

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FEMA

COURSE: V-0001 - VIRTUAL TABLETOP EXERCISE SERIES (VTTX) CHLORINE RELEASE

SEPTEMBER 5, 6, & 7, 2017 | 12:00 - 4:00 P.M. EASTERN

Exercise Goals:

This virtual exercise will enable the participants to exercise their knowledge, skills and abilities needed to prevent, protect, and respond to emergency management incidents of varying complexities.

Target Audience:

The VTTX program is designed for a "community-based" group (not individual participation) of at least 5 or more personnel from local or state emergency management organizations with representation from all Emergency Management disciplines - public safety, public works, public health, health care, government, administrative, communications, military, private sector, non-governmental, critical stress professionals and other whole community partners involved in a chlorine incident.

Exercise Design:

This VTTX is designed to engage the participants in a no fault, hazard-specific exercise discussion. Facilitation will occur via VTC from the EMI campus and will be complimented by a dedicated local agency facilitator at each VTC site.

To Apply & For More Information:

Locations interested in participating in the VTTX series should submit an email request to participate in the exercise to Doug Kahn at douglas.kahn@fema.dhs.gov, phone (301)447-7645, with preferred date of participation. Your email is your program application. When applying, please provide a central point of contact from your organization to work all VTTX issues. Each location will receive a notice from EMI and will be provided with relevant logistical information and exercise materials to set up and facilitate the exercise locally.

The FEMA Form 119-25-2 is not required to be submitted until the VTTX is completed. With your request, cc in your email: the Integrated Emergency Management Branch office at fema-emi-iemb@fema.dhs.gov or call 301-447-1381.

Participation Requirements:

The VTTX will be limited to approximately 10-15 locations per broadcast. Participating locations must have an appropriate site equipped with VTC capability (this is not an Adobe Connect® session) that can access the Federal Emergency Management Agency (FEMA) VTC site (connection information will be provided by EMI). Participating locations will be responsible for local exercise logistics, and should designate an exercise coordinator to implement the

logistical requirements for the exercise. In addition, the location must provide a person capable of facilitating the on-site portion of the exercise. Electronic copies of the related exercise materials (Exercise and Coordination Facilitation Guide, Situation Manual, agenda, etc.) will be provided in advance by EMI.

How do I obtain my FEMA SID number?

STEP 1: To register, go to

<https://cdp.dhs.gov/femasid>

STEP 2: Click on the "Register for a FEMA SID" button on screen.

STEP 3: Follow the instructions and provide the necessary information to create your account.

STEP 4: You will receive an email with your SID number. You should save this number in a secure location.

VTTX PROGRAM INFORMATION:

For a complete listing of all the FY17 VTTX dates and scenarios, please check our homepage at <http://www.training.fema.gov/programs/emivttx.aspx>

UPDATED GUIDE FOR RAIL TANK CAR EMERGENCIES NOW AVAILABLE

BY DAVE SCHOENDORFER, Norfolk Southern

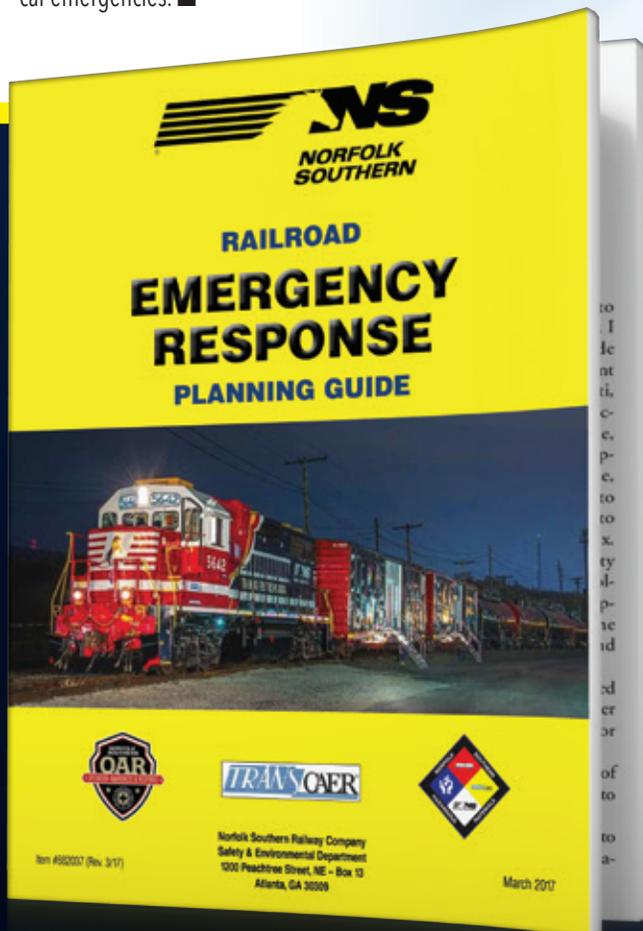
THE ASSOCIATION OF AMERICAN RAILROADS (AAR) recently released the updated Third Edition of “Field Guide to Tank Cars,” (PDF, 6.3 Mb), also located at the bottom of the AAR Bureau of Explosives resource page. This guide was written to assist emergency responders in planning for and responding to emergencies involving train tank cars. Interest in these incidents has increased in recent years due in part to the Bakken oil boom.

The guide is divided into eight sections covering guidelines for initial emergency response; tank car classification and specifications; safety systems; markings; non-pressure tank cars; pressure tank cars; cryogenic liquids; and a glossary of terms. The AAR loaded the guide with pictures and diagrams of different fittings, valves, tank cars, markings, and schematics of systems to assist first responders who likely are not very familiar with tank cars.

The emergency response section lists emergency phone numbers for nine major rail companies operating in the United States and Canada. Departments who have plans or are developing them should ensure pertinent emergency numbers are included prominently in those plans. The guide also reviews assessing damage to tank cars and provides techniques used by trained and experienced professionals when responding to tank car emergencies. ■



Courtesy of AAR



NORFOLK SOUTHERN RAILROAD EMERGENCY RESPONSE PLANNING GUIDE

BY DAVE SCHOENDORFER, Norfolk Southern

THE NORFOLK SOUTHERN RAILROAD EMERGENCY RESPONSE PLANNING GUIDE has been developed by Norfolk Southern Railway Company (Norfolk Southern) to assist local emergency response organizations in their efforts to plan for and respond to railway related incidents or emergencies.

It is also designed to be utilized as a reference resource, and hand-out to supplement training programs presented by Norfolk Southern (NS) to the emergency response community.

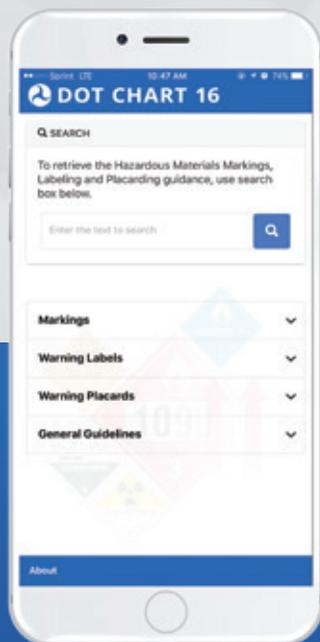
Because this guide is designed to augment the local response plan(s), it is purposely brief to cover only the key information that would be needed by planners and response organizations if an incident involving Norfolk Southern should occur.

The guide is subdivided into four main sections, addressing Prevention, Preparedness, Response, and Recognition & Identification. Appendices are included which contain other pertinent railroad information.

As part of the NS TRANSCAER® community preparedness program the guide is available free at http://www.joinnsoar.com/pdf/yellowbook_web.pdf ■

PHMSA TO RELEASE NEW CHART 16 WITH LITHIUM BATTERY LABELING AND MARKING, AND NEW CHART 16 MOBILE APP(LICATION)

ARTICLE AND IMAGE COURTESY OF USDOT/PHMSA



DOT PHMSA's forthcoming new Chart 16 mobile app.



DOT PHMSA's forthcoming Chart 16 includes Lithium Battery Labeling and Marking.

THE U.S. DEPARTMENT OF TRANSPORTATION'S (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA), Office of Hazardous Materials Safety, will soon release the latest "DOT Chart 16: Markings, Labeling, and Placarding Guide," which is used by shippers, carriers, emergency services personnel, and other stakeholders who prepare hazardous materials (hazmat) for transportation and respond to incidents involving hazmat in transportation.

The latest Chart 16 changes include:

★ **Hazardous Materials Marking (cover)**–

- Added: New lithium battery handling marking, and the transition date of December 31, 2018 for the old version (still shown)
- Added: Class 9 Label for lithium battery handling, with an effective date of January 2019

★ **Placards**–

- Removed: Yellow Organic Peroxide 5.2 Placard, which transitioned 2011/2014 rail, vessel, aircraft, and highway, respectively; its replacement is the red and yellow Organic Peroxide 5.2 Placard

★ **General Guidelines on the use of Warning Labels and placards (back cover)**–

- Removed: Organic peroxide notation, which transitioned 2011/2014 rail, vessel, aircraft, and highway, respectively
- Established: Specification for denoting the transition of a label, marking, or placard as: Title, date of transition (e.g., ORMD, Transition 31 December 2018)

In addition to the printed version of the Chart 16, PHMSA developed a searchable Chart 16 mobile application (app) for both iOS and Android platforms that links to the eCFR to help shippers, carriers, and other stakeholders quickly access information regarding hazmat markings, labeling, and placards. The mobile app is intended for general guidance only, and should not be used to determine compliance with 49 CFR, Parts 100-185. ■

FOR MORE INFORMATION

on DOT's efforts to improve hazmat safety and awareness, or to access a link to the forthcoming Chart 16, available July 2017, visit PHMSA's homepage at www.phmsa.dot.gov. Once complete, the Chart 16 app will be available free from the app store.

PHMSA AND OSHA CLARIFY REQUIREMENTS FOR LABELING/MARKING HAZARDOUS CHEMICALS FOR BULK SHIPMENTS

ARTICLE AND IMAGE COURTESY OF USDOT/PHMSA



Labeling of a hazardous chemical for bulk shipments shown with DOT's Hazard Warning Labels/Placards and OSHA's HCS Pictograms and Hazards.

THE U.S. DEPARTMENT OF TRANSPORTATION'S (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) and the U.S. Department of Labor's Occupational Safety and Health Administration (OSHA) are responsible for enforcing distinct safety standards regarding the appropriate labeling of chemical hazards. Specifically, PHMSA's Hazardous Materials Regulations (HMR) and OSHA's Hazardous Communication Standard (HCS) 2012 are the independent labeling requirements that communicate the dangers of hazardous materials (hazmat) in "transportation" (DOT), and in the "workplace" (OSHA).

PHMSA and OSHA recently issued a joint memorandum clarifying their respective requirements and scopes of authority regarding the labeling, with an emphasis on bulk packaging in transportation and in the workplace.

In summary:

- DOT's HMR hazard communication (markings, labels, placards) must be displayed or provided with a shipment, and is meant to communicate material hazards during transport in commerce.
- OSHA's HCS 2012 provides requirements for the labeling of hazardous chemicals in the workplace, both before and after transportation in commerce. OSHA HCS labeling is not required on shipping containers in transport.

- Both DOT hazard communication and OSHA HCS 2012 labeling may appear on the same package, even in transportation. However, if the HMR does not require labeling in transportation, OSHA's HCS 2012 may still be displayed on the package.
- On bulk shipments bearing both DOT and OSHA HCS 2012 labels, the HMR prohibits the display on a package of any marking or label that could be confused or conflict with a label required by the HMR. However, the prohibition does not apply to packages labeled in conformance with certain international standards, including the UN Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. The GHS labeling provisions, including those implemented by OSHA, require all hazard communication elements to be located on the label, and these hazard communication elements must only appear as part of a complete GHS label. As such, the display of a marking or label not required by DOT's HMR, but conforming to OSHA's HCS 2012 and consistent with the GHS, is not a violation of the HMR. ■

FOR MORE INFORMATION

on DOT's efforts to improve hazmat safety and awareness, to access the full DOT/OSHA joint memorandum, or to access the HMR, visit PHMSA's homepage at www.phmsa.dot.gov

USDOT/PHMSA DEVELOPS **NEW** ONLINE CODE OF FEDERAL REGULATIONS MOBILE APPLICATION

ARTICLE AND IMAGE COURTESY OF USDOT/PHMSA

IN ITS CONTINUING EFFORTS to improve safety and public access to the latest transportation regulations, the U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) made available a new online Code of Federal Regulations (oCFR) mobile application.

The oCFR mobile application is a simplified version of the web-based application which was released to the public in March of 2016. The oCFR app was released to both Apple's App Store and the Google Play Store for use on iOS and Android mobile devices.

The new oCFR app provides the first-ever mobile access to search, view and navigate PHMSA's Hazardous Materials Regulations in 49 CFR parts 100-180 for the classifying, handling and packaging of hazardous materials by highway, rail, aircraft, and vessel.

This app also provides the first-ever mobile access to PHMSA's Pipeline Safety Regulations in 49 CFR parts 190-199, which provide the federal minimum safety standards for the design, construction, operation and maintenance, and spill response planning for pipeline and liquefied natural gas facilities involved in the transportation of natural gas and hazardous liquids within the United States. The mobile app is also unique because it allows users to navigate regulations at the paragraph level. ■



U.S. Department of Transportation
Pipeline and Hazardous Materials
Safety Administration



INTERESTED?

You can find the oCFR PHMSA Federal Regulations App with these links:

[Google Play Store](#)
(for Android devices)

[iTunes](#)
(for iPhones and iPads)

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BEHIND *THE* SCENES



TRANSCAER®'s success has never been because of one person or a handful of people. TRANSCAER®'s success can only be attributed to the culmination of hundreds of dedicated volunteers across the nation who lend their expertise because they believe in making sure our communities and our emergency responders are prepared for and ready to respond to possible hazardous materials transportation incidents.

MEET THE WOMAN BEHIND THE TRANSCAER® DATABASES



CAROL ROWANE
Business Solutions Developer,
American Chemistry Council

Since 2014, the American Chemistry Council's Carol Rowane, Business Solutions Developer for the Information Technology Group in Washington, DC has been working with the TRANSCAER® Staff Executive to help manage and maintain the ever-growing TRANSCAER® CRM database to help everyone who is interested in being engaged in the unique training program continue to be plugged in. Carol also has been using her developer skills to help to create a new

TRANSCAER® training registration sign-in APP. Currently, the APP, which will be used by TRANSCAER® Team Members to efficiently sign in students, is in the beta testing stages. Once the new APP is ready to roll out, students who are already registered online who attend a TRANSCAER® training will simply check a box on the screen at sign in. Thanks, Carol for making TRANSCAER® a priority! **You're a ROCK STAR!**

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