



2021-2022  
*today*



*Assisting Communities & Preparing Responders*

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

# Letter from Chair



**Paul Holt**

Manager Hazardous Materials  
Union Pacific Railroad  
pholt@up.com



**The speed at which the entire organization was able to adapt and deliver quality training through the rapid changes of COVID policies and mandates was impressive.**

I want to start this edition off with a huge thank you to everyone involved with TRANSCAER for the amazing work and results that have been produced over the last two years, with the challenges presented to us by COVID, changing our operations and lives. TRANSCAER sponsors, NTTG members, Partners, Corporate Members, and the Executive Committee (EC) displayed great dedication to what TRANSCAER is and what we deliver. The speed at which the entire organization was able to adapt and deliver quality training through the rapid changes of COVID policies and mandates was impressive.

At the end of 2021, the NTTG voted to remove the Regional Coordinator roles from the NTTG. To all who held that role, and to those that were the last of the Regional Coordinators, thank you! Your service, dedication, and continued support in building TRANSCAER was and is appreciated. We look forward to your continued support as State Coordinators and continuing the growth of TRANSCAER through all channels and relationships. TRANSCAER is successful because of the people who support and believe in it.

I came into the Executive Committee as the Railroad Representative and have also had the pleasure of serving as the Vice Chair. I am excited to be serving as the Executive Committee Chair with such a great organization. The vision and tenacity of the TRANSCAER family will be important as we ease away from COVID and reestablish more in-person training.

I have no doubt we will be back to normal in no time and fully representing TRANSCAER across the nation and supporting TRANSCAER Canada and TRANSCAER Mexico.

Thank you again to all the individuals and organizations that make up TRANSCAER, your participation is the reason we are as successful as we are today. I look forward to 2022!

Sincerely,  
**Paul Holt**

## About the **COVER PHOTO**

This was the first major drill TRANSCAER was able to host in 2021, since the start of the pandemic. It was such a key opportunity to partner with the Virginia Association of Hazardous Materials Response Specialists (VAHMRS) and the Virginia Department of Emergency Management to host this training during the annual VAHMRS Conference. Read more about the training event on page 50 in this magazine.

We appreciate the following fire departments for their participation in this training in Seaford, Virginia on September 20-21, 2021.

- Chesterfield Fire and EMS
- Chesapeake Fire Department
- Frederick County Fire and Rescue Department
- Hampton Fire and Rescue
- Harrisonburg Fire Department
- Henrico County Division of Fire
- James City County Fire Department
- Myrtle Beach Fire Department
- Newport News Fire Department – Hazmat
- Norfolk Fire-Rescue
- Prince William County Fire and Rescue
- Rockingham County Fire & Rescue
- Waynesboro Fire Department
- York County Fire and Life Safety

**“Leadership and learning are indispensable to each other.”**

**– John F. Kennedy**



Photo credit: Erica Bernstein, Director of Outreach, CHEMTREC®

### **DISCLAIMER**

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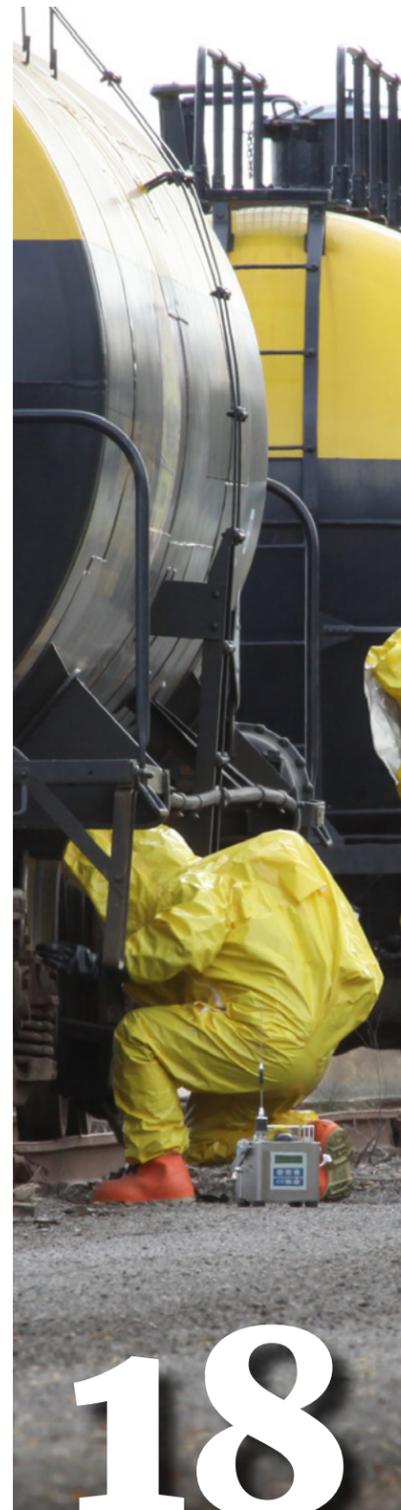
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# TRANSCAER Sponsorship



## Mission Support

TRANSCAER's Sponsorship Program is designed to visibly enhance your support of TRANSCAER's mission of assisting communities to prepare for and respond to a possible hazardous materials transportation incident.



## Partnership Opportunities

Companies that are responsible for promoting the safe handling and transporting of hazardous materials can access many benefits through direct connection with TRANSCAER. There are valuable partnership opportunities as a sponsor to connect with chemical manufacturers, transportation carriers, distributors, and emergency response companies and agencies.



## High Profile Branding

Co-branding opportunities are available at national hazmat conferences, as well as at state hazmat conferences, seminars, and training events throughout the year. All sponsoring companies benefit from logo placement in TRANSCAER's brochures, programs, magazine, and quarterly newsletter.

## Why Sponsor TRANSCAER?

TRANSCAER trains 30,000+\* emergency responders each year for FREE! Since we are a voluntary national outreach program, we depend on our sponsors to financially support our training and outreach initiatives.

Sponsorship benefits your company with new channels to promote your brand and visibly promote the safe transportation and handling of hazardous materials.

Sponsorship both supplements and reinforces your more traditional training initiatives. Your sponsorship support enables TRANSCAER to provide quality training programs for emergency responders throughout the year.

**\*Note: Due to COVID in 2020 and 2021, TRANSCAER was not able to train the same level of emergency responders. The training totals for 2015-2019 have consistently been over 30,000 responders annually.**

SPONSORSHIP BENEFITS	Supporter (\$7,500)	Champion (\$10,000)
Representative & Voting Ability on NTTG	✓	✓
Company logo on TRANSCAER homepage	✓	✓
Access to TRANSCAER Coordinator Portal	✓	✓
Ability to promote your support of TRANSCAER with the use of the "Proud Sponsor of TRANSCAER" logo	✓	✓
Company description and website link on TRANSCAER Sponsorship webpage	✓	✓
Acknowledgement of Sponsorship & Training Program in a dedicated slide of TRANSCAER Overview Presentation	✓	✓
Supporting emergency responders and communities across North America through the TRANSCAER Program	✓	✓
Company logo on TRANSCAER Champion Sponsor banner utilized at all national hazmat conferences where TRANSCAER attends with an exhibit booth	-	✓
Promotion of your company logo and yearly training recap in TRANSCAER Fact Sheet (distributed at all national conferences that TRANSCAER attends and in the TRANSCAER Outreach Package)	-	✓
Ad in the next edition of <i>TRANSCAER today</i> magazine	Half Page	Full Page
TRANSCAER polo shirts and hats for your company and/or instructors (issued annually)	5	10
TRANSCAER newsletter ads (distributed quarterly)	2	4
Non-commercial articles in the next edition of <i>TRANSCAER today</i> magazine	1	3
Training promoted via ad on TRANSCAER's social media accounts	1 event per year	3 events per year

# *Congratulations*

## **2020 TRANSCAER Award Recipients**

The TRANSCAER Awards Program recognizes the achievements of individuals, companies, and organizations that exceed in advocating, demonstrating, and implementing the principles of TRANSCAER. We appreciate all the time, energy, and effort each of you has shared and thank you for your outstanding commitment to helping communities across the country.

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### **DISTINGUISHED SERVICE AWARD**

Dom Miletta, The Chemours Company (Retired)  
Randy Rowe, ERCO Worldwide (Retired)

### **CHAIRMAN'S AWARD**

Federal Railroad Administration  
Matt Thompson, Union Pacific Railroad  
National Volunteer Fire Council  
Tony Houdyshell, CP

### **NATIONAL ACHIEVEMENT AWARD**

BNSF Railway	CN Rail
Renewable Fuels Association	Milwaukee Fire Department - Hazardous Materials Team
Andrew Johnson, iMed Design	CP
Norfolk Southern Corporation	CSX Transportation
Union Pacific Railroad	
Tanner Industries, Inc.	

### **REGIONAL ACHIEVEMENT AWARD**

Kansas City Southern Railway (KCS) & Kansas City Southern de México (KCSM)

.....

*Awards were presented throughout 2021 for efforts in 2020. Additionally, 45 Individual Recognition Awards were awarded for outstanding efforts in 2020.*





# DISTINGUISHED SERVICE AWARD

## Dominick (Dom) Miletta

The Chemours Company (Retired)

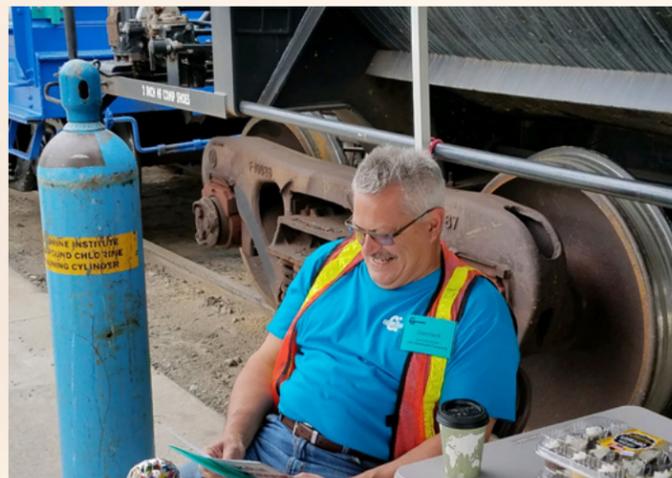
Dom Miletta (The Chemours Company-Retired) received a 2020 TRANSCAER Distinguished Service Award. Dom has exemplified the mission of TRANSCAER and has positively impacted the first responder community. His skills, knowledge, willingness to help others, and dedication to TRANSCAER made him exceptionally deserving of the Distinguished Service Award.

In addition to his duties as a Mechanical Coordinator for The Chemours Company at Chamber Works, Dom demonstrated an extraordinary commitment to the TRANSCAER program and to training emergency responders. Over the years, Dom instructed at numerous Chlorine Institute and TRANSCAER training events and participated in community outreach events with Chamber Works in Deepwater, New Jersey.

Dom demonstrates leadership and encourages others to give back as part of the TRANSCAER program. He has even spent his birthday at a Chlorine Institute/TRANSCAER Event in Pittsburgh, Pennsylvania in May 2018, training emergency responders on the Chlorine Emergency Response Kit A.



Red Wright (JCI Jones Chemical), Dom Miletta (The Chemours Company), Mike Croke (JCI Jones Chemical), Ray Racha (Indian Springs Manufacturing), Matt Bond (Westlake Chemical Company), Drew McCarty (Specialized Professional Services, Inc.), and Troy Scarrow (Midland Manufacturing) inside the CI Training Tank Car at the Chlorine Institute/TRANSCAER Event in Richmond, Virginia, April 2018.



Dom Miletta celebrating his birthday in Pittsburgh, PA at a Chlorine Institute/TRANSCAER Event, May 2018.



Dom Miletta (left) and Greg Godwin (right) instructing on the A-Kit in Atlanta, Georgia, September 2017.

Greg Godwin, one of his colleagues, and co-instructor at many Chlorine Institute/TRANSCAER training events, said this about him: “Dom is the most outgoing and caring person. First responders getting the training they need to be successful is a top priority for him. He dedicated most of his career ensuring the community was a safer place, giving back his knowledge and experience to anyone who needed it.”

Dom Miletta started with DuPont in 1974 and worked 45 years at the same site, Chamber Works (Dupont & Chemours). Dom retired on June 30, 2020. Dom was instrumental in the development of the Dupont CAER training railcars. As part of the Dupont corporate hazmat team, he led many educational and training sessions. Dom has furthered the knowledge base of countless first responders over his career as a team leader of both the Dupont and Chemours corporate hazmat teams.

Dom is committed to education; outside of TRANSCAER he is active in his community. Dom served as a Member of the Board of Education for the Pittsgrove Township from 2011-2020; he served as the Board President from 2014 - 2015 and again as Acting Board President in 2017.

Dom was and always will be part of the TRANSCAER family. We wish Dom all the best in his retirement. This award is a small way for us to show that we will always be grateful for the impact he has made on so many of us throughout the years. He is truly one of the greats!



**His skills, knowledge, willingness to help others, and dedication to TRANSCAER made him exceptionally deserving of the Distinguished Service Award.**



Dom Miletta in a Wheeling and Lake Erie Locomotive in Akron, Ohio at a Chlorine Institute/TRANSCAER Event, August 2016.



Erica Bernstein (TRANSCAER Director), Cathy Miletta, Dom Miletta with his Distinguished Service Award, and Keith Silverman (TRANSCAER Executive Committee - NTTG Member at Large).



# DISTINGUISHED SERVICE AWARD

## Randy Rowe ERCO Worldwide (Retired)

Randy Rowe, former Manager of Plant Services (retired from ERCO Worldwide in 2020), received a TRANSCAER Distinguished Service Award.

For about 15 years, Randy Rowe was actively involved with The Chlorine Institute (CI) and the TRANSCAER program. Randy recently retired from ERCO Worldwide after 41 years with the company at their facility in Nekoosa, Wisconsin. Prior to retirement, Randy was primarily involved with CI's Emergency Preparedness Issue Team (EPIT). He served as the EPIT's chair (2015-2019) and vice chair (20213-2015) and had a significant hand in helping develop and execute CI's annual CHLOREP Team Training at the Mississippi State Fire Academy in Jackson, Mississippi, making it an exemplary training for CHLOREP Teams and responders, as well as rail and government partners. Randy has said his time with the Chlorine Institute has been "one of the most unique and rewarding experiences of my career."

In addition to his involvement with CHLOREP, throughout the years Randy has consistently served as an instructor at CI sponsored TRANSCAER events, as well as on his own or with other industry partners at other emergency response trainings.



Randy Rowe (ERCO Worldwide, Retired) with his Distinguished Service Award for his many years of service to TRANSCAER, The Chlorine Institute, and training emergency responders on chlorine emergency response.



Randy Row instructing on the Chlorine Emergency Response Kit "C."



Randy Rowe instructing on Chlorine Emergency Response at a Chlorine Institute/TRANSCAER Rail Safety & Hazmat Emergency Response Training.

“

Many peers would say they could count on Randy time and time again due to the passion he has for making the chlor-alkali industry safer each day.

He has traveled numerous times across North America, in the sunshine or inclement weather, to train first responders on mitigation techniques for responding to potential hazardous materials incidents. Randy also responded to countless hazardous materials incidents over his career, protecting his community and CHLOREP sector. Through his responses, he has helped to safely resolve some unique hazmat leaks, some of which were presented as case studies at CI training events. Many peers would say they could count on Randy time and time again due to the passion he has for making the chlor-alkali industry safer each day. With multiple years of experience responding to hazmat incidents, Randy served as a true leader and mentor to young professionals in the industry.

To reward his contributions and achievements throughout his career, Randy was also the recipient of The Chlorine Institute's Pete Mayo Award in 2020. This award has been presented since 2004 to recognize an individual for his or her service and leadership in the chlorine industry.



Randy Rowe showing attendees how to install a Chlorine Emergency Response Kit "C" on a tank car housing prop.



Randy Rowe (third from the right) at a Chlorine Institute/TRANSCAER Rail Safety & Hazmat Emergency Response Training.



## CHAIRMAN'S AWARD

Erica Bernstein presented a TRANSCAER Chair Award to the National Volunteer Fire Council for its efforts in 2020 assisting with several new TRANSCAER *Seconds Count* videos. The award was presented at the NVFC Fall Board Meeting. David Bullard and Tom Miller were also recognized with Individual Achievement Awards.



Left to Right: Steve Hirsch (Chair, NVFC), Erica Bernstein (TRANSCAER), Ken Desmond (NVFC Partner Representative to TRANSCAER), David Bullard (Georgia TRANSCAER Coordinator), and Tom Miller (West Virginia TRANSCAER Coordinator).



Matt Thompson, Union Pacific Railroad (left) is presented with a 2020 Chair Award by Tyler Parker, Union Pacific Railroad (right). Matt went above and beyond last year for TRANSCAER. First, he was the lead contact on the joint webinars hosted by Union Pacific Railroad and TRANSCAER. In total, 2,129 attendees were trained through the 15 webinars hosted last year. Matt also helped to coordinate filming in Milwaukee, Wisconsin in September 2020 for the seven new TRANSCAER *Seconds Count* videos.



## NATIONAL ACHIEVEMENT AWARD

### Andrew Johnson, iMed Design, Inc.



Left to Right: Tom Miller (West Virginia TRANSCAER Coordinator), Andrew Johnson (iMed Design, Inc.), Matt Reed (WVU Fire Service Extension), and Ralph McNemear (WVU Fire Service Extension).

Andrew Johnson (iMed Design, Inc.) is presented with a National TRANSCAER Award for his efforts for filming seven new safety videos for TRANSCAER in 2020. It was fitting to present this award when we were onsite filming a new training video at "West Virginia University Fire Service Extension in Weston, WV."

### Renewable Fuels Association



Kelly Davis, Vice President, Technical & Regulatory Affairs, Renewable Fuels Association with their National Achievement Award.

### Milwaukee Fire Department



Tony Houdyshell, CP (third from left) presents members of the Milwaukee Fire Department their National Achievement Award.

The Milwaukee Fire Department is the first fire department to receive a National Achievement Award from TRANSCAER. The fire department is being recognized for their assistance in September 2020 for filming multiple elements for seven new TRANSCAER *Seconds Count* videos.

### Norfolk Southern Corporation



Members of the Norfolk Southern Hazmat Team with their 19th consecutive National Achievement Award for supporting TRANSCAER initiatives.



# REGIONAL ACHIEVEMENT AWARD

**Kansas City Southern Railway (KCS) & Kansas City Southern de México (KCSM)**



Left to Right: Steve McNealy, Director Hazmat, Kansas City Southern Railway and Carl Akins, Assistant Vice President, Kansas City Southern Railway.

### The TRANSCAER Awards Program is designed to:

- ◆ Recognize the achievements of individuals, companies, and organizations that have gone beyond the normal call of duty to advocate, demonstrate, and implement the principles of TRANSCAER;
- ◆ Enhance public recognition of TRANSCAER; and
- ◆ Increase participation in TRANSCAER initiatives.

**TO LEARN MORE ABOUT TRANSCAER AWARDS, VISIT [TRANSCAER.COM/AWARDS](https://TRANSCAER.COM/AWARDS)**



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



## The 2020 Emergency Response Guidebook (ERG) mobile application, available for Android and iOS devices

The Pipeline and Hazardous Materials Safety Administration (PHMSA) and its partners have published the ERG to provide first responders with a go-to safety resource to help manage hazardous materials transportation accidents during the critical first 30 minutes. The guide offers crucial information to help determine the proper response to an incident, including an indexed list of hazmat and associated ID numbers, general hazards, and recommended safety precautions. To date, more than 16 million print copies have been distributed to the emergency response community in the United States alone.

The ERG mobile application provides emergency responders with fast and easy access to critical information on their mobile device. The app can now be downloaded directly from PHMSA, for free, for both Apple and Android devices—look for “ERG for iOS” in the App Store, or “ERG 2020 for Android” on Google Play!

Already an ERG user for iOS, with a version of the ERG 2020 app released by the National Library of Medicine? Be sure to download the new version under the PHMSA storefront for ongoing support, updates, and bug-fixes.

**First responders: PHMSA wants your feedback, to help make the ERG even better! Submit your name, organization, contact information, and comments to [ERGComments@dot.gov](mailto:ERGComments@dot.gov).**



**ERG for iOS**  
(Pipeline and Hazardous Materials Safety Administration)



**ERG 2020 for Android**  
(PHMSA)



Electronic files (including the ERG App) cannot be substituted for hard copy documents to comply with the Emergency Response Information requirements of 49 CFR Part 172, Subpart G. A person interested in displaying emergency response information in an alternate manner may request a special permit from the Associate Administrator for Hazardous Materials Safety (see 49 CFR 107, Subpart B).



# TRANSCAER Learning Management System

Article By: Jennifer Membreno-Maltez, TRANSCAER Specialist, CHEMTREC®

The TRANSCAER Learning Management System (LMS) continues to provide a variety of online hazmat training courses for emergency responders and the hazmat community. The popularity of online training resources has grown exponentially with over 3,500+ registered users on the TRANSCAER LMS site today (as of February 2022).

Following the completion of all required course content, users are eligible to receive a certificate of completion for each course. In 2021, over 4,330 certificates were awarded for course completion. The certificate includes the credit hours received for the course.



TRANSCAER is committed to providing valuable online resources on hazardous materials training to responders across North America by offering its first online course in Spanish, in partnership with The Chlorine Institute.

Chlorine Emergencies: An Overview for First Responders is now available in English and Spanish.



There are currently 14 courses available that can be taken at your own pace, and at a time and location most convenient to you.

## RAILROAD TRAINING

TRANSCAER encourages you to take a rail-focused training from the railroad(s) operating in your area.

### Norfolk Southern Corporation (4 courses)

- Railroad 101 - Rail operations, awareness and response
- Tank Car Valves and Fittings – Overview valves and fittings

- Tank Car Identification – Overview of gathering information on tank cars
- Locomotive Fire – Overview of response to locomotive fires

### CSX Transportation

- The CSX Hazardous Materials Team presents “Emergency Response to Railroad Incidents,” which discusses safety while operating on or near the railroad, initial response procedures for first responders, hazardous materials transported by rail, introduction to tank cars, and other equipment found of the railroad (locomotives, freight cars, etc.).

### Union Pacific Railroad

- **NEW** - Hazmat Management Railroading 101 (Released October 2021)

The Union Pacific Railroad (UPRR) Hazardous Materials Management Team presents “Railroading 101”, which provides an overview of the UPRR system, pre-planning, railroad equipment (locomotives, tank cars - pressure and non-pressure), contacting the railroad, discusses safety while operating on or near the railroad, railroad resources, markings, rail shipping papers, the emergency response process, and recovery operations.

### Kansas City Southern

- **NEW** - Introduction to Railroad HazMat (Released December 2021) - Overview of railroad hazmat.

## HAZMAT AND STEEL DRUM TRAINING

### Anhydrous Ammonia Safety Training

- The Fertilizer Institute, in partnership with TRANSCAER, created this course, which is designed for emergency responders in communities where anhydrous ammonia is manufactured, stored, or shipped.

*Note: This course will be revised in Spring 2022, an announcement will be posted in the LMS course when the content has been updated.*

### Chlorine Emergencies: An Overview for First Responders

- The Chlorine Institute developed this course to help first responders prepare to act in those critical first 15 minutes – what to do when the call comes in, what to expect on-scene, and where to find the resources needed to contain a release. The course includes information on resources for mobile devices, security & antiterrorism considerations, and an explanation of shelter-in-place, and chlorine release footage.

### Emergencias de Cloro: Una descripción general para socorristas (Released January 2022)

- **NEW** - Full Spanish version of the Chlorine Emergencies: An Overview for First Responders course.

### Crude Oil by Rail Safety Video

- This course provides general guidance on several key topics, such as moving crude oil by rail, the type of tank cars that carry crude oil, and the characteristics of crude oil. It also covers the Rescue, Exposure, Containment, Extinguish, Overhaul, Salvage (RECEOS) strategies that should be considered if crude oil is present, spill response and firefighting considerations, and the need for structured incident management.

### Ethanol Emergency Safety Training

- The Renewable Fuels Association (RFA) created this ethanol emergency safety training course. Participants taking this training course will receive in-depth information on proper training techniques that emergency responders and hazmat personnel need to effectively respond to an ethanol-related emergency.

### Flammable Liquids Safety

- TRANSCAER, in partnership with SERTC, created the “Flammable Liquids Safety” course, which provides an overview of the properties of flammable liquids, storage and transportation of flammable liquids, and emergency response techniques.

### Steel Drums 101 for Emergency Responders

- The Steel Drums 101 course is designed for emergency responders to better understand the components of steel drums, including the difference between an open-head and a tight-head steel drum and how to interpret the UN markings. ■

**VISIT  
TRANSCAER'S LMS  
WEBSITE**

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





## Haz-Mat Response 24 Hour Emergency Service

**Welcome to Haz-Mat Response, Inc. & Haz-Mat One®**

Haz-Mat Response, Inc. (HMRI) provides emergency response service for hazardous material releases throughout the Midwest. We employ highly trained response managers to mitigate your haz-mat spill correctly and cost efficiently.

HMRI owns and operates specialized equipment for your industrial service needs, including but not limited to, tank cleaning, confined space rescue, excavation, and liquid and dry vacuum service.

Additionally, Haz-Mat One® (HMO) is a nationwide emergency management service. One phone call provides 24/7 direct access to trained Response Safety Managers, who will oversee your project from start to finish.

**Do it right the first time! Call toll-free, 800-229-5252, for your emergency response and industrial service needs.**

# ELECTRONIC TRAIN LISTS: Transitioning from Paper to Electronic



Article By: Pat Brady, General Director Hazardous Materials Safety, BNSF Railway

For over 50 years, the U.S. Department of Transportation (DOT) regulations have required carriers transporting hazardous materials to have shipping papers that identify the hazardous material being transported. For rail carriers, these documents contain the hazardous material information and identify the standing order of the train. Early on, train conductors would carry paper copies of the train consist, which included the standing order of the train and individual shipping papers, called waybills, for each hazardous material on their train. Over time, carriers developed one combined document that included the standing order of the train and the required hazmat shipping information. This combined document is called a train list.

During an emergency, such as a derailment, the train crew is required to share the train list with first responders. Typically, with a paper train list, the crew would just hand the documents over to the first responders.

Historically, one of the challenges of the train list (Figure 2) is the list needs to be updated each time a rail car is either

placed into a train or set out. Conductors, using a pen, would note their pick-ups and set-outs on the paper document. The challenge of this manual process was that while the conductor's paper document was accurate, the train list in the carrier's computer system would not accurately reflect the actual standing order of the train. This created a challenge if during an emergency the conductor's list was lost or destroyed.

Today, BNSF train conductors and engineers are provided with iPads, and through an application called Mobile Train Reporting (MTR) (Figure 1) they can document their pick-ups and set-outs electronically, which allows the train list in the BNSF computer system to have a real-time, accurate account of the standing order of the train.

In April of 2020, BNSF was granted a DOT Special Permit, allowing them to use an electronic train list in lieu of the paper document. Other rail carriers have become "a party" to this Special Permit and are now allowed to use electronic train lists.

One apparent question is, "how are electronic train lists shared with first responders during an emergency?" BNSF train crews are trained on how to share their hazmat/train documents with emergency responders electronically. Through the MTR application (Figure 1) on a train crew's mobile iPad device, the electronic train lists can be provided to emergency responders through the following methods:

- Emailing the information directly to a responder. Responders can then access information via their mobile device and share with other responders.
- Air Dropping, through Bluetooth, the train/hazmat documents directly to a responder's mobile device when no cell service is available in the area.
- Sharing the train crew's iPad directly with the responders.

Moreover, when BNSF's Resource Operation Communication Center (ROCC) makes initial notification to local agencies (911 centers), the ROCC will obtain a

fax number or email address to send the train or hazmat documents to the agency.

The "look" and formatting of the train list has not changed in the conversion from paper to electronic. The only update with the electronic version of the train list (Figure 2) is that hazmat cars are listed in red, just like what responders see in ASKRAIL® App.

You can view an example of a BNSF train list by scanning the QR code.

**For more information on BNSF Hazmat, please visit our website at [www.bnsfhazmat.com](http://www.bnsfhazmat.com).** ■

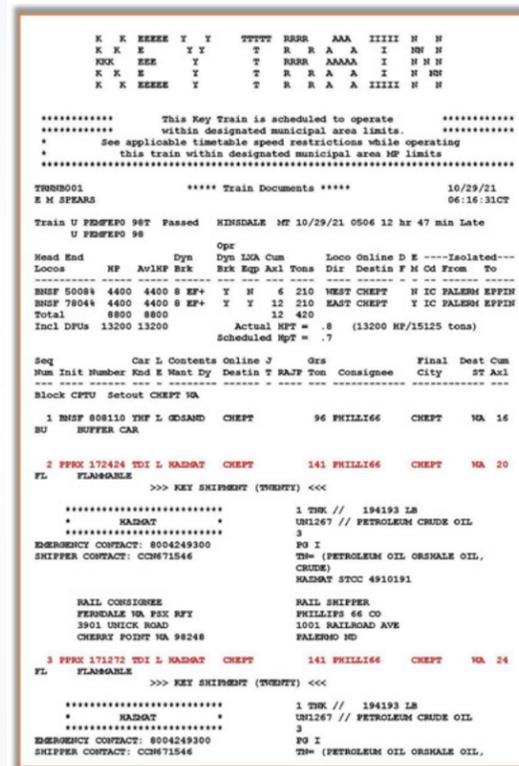


Figure 1: Mobile Train Reporting (MTR) Application showing how train crews on their mobile iPad device, can share the electronic train lists with emergency responders.

Figure 2: The electronic version of the train list lists hazmat cars in red, just like what responders see in the ASKRAIL® App.

**CHEMTREC**  
International  
Hazmat Summit

REGISTRATION IS OPEN!

Register Today!

**September 12-14, 2022**  
New Orleans Marriott

#CHEMTRECSummit  
[CHEMTREC.COM/SUMMIT](http://CHEMTREC.COM/SUMMIT)

Celebrate CHEMTREC's 50<sup>th</sup> Anniversary With Us!



# CHEMTREC HELP Award

*Celebrating 50 Years by Giving \$50,000 to Volunteer Fire Departments*

**Article By: Erica Bernstein, Director of Outreach, CHEMTREC**

Supporting first responders is at the core of our mission, so CHEMTREC® could not think of a better way to have celebrated our 50th Anniversary than to provide \$50,000 towards the 2021 HELP Awards. CHEMTREC gave \$10,000 each to five volunteer departments that are members of the National Volunteer Fire Council (NVFC).

The CHEMTREC HELP Award, established in 2019, provides funding to volunteer departments to increase their response capabilities and enhance local preparedness to respond to hazmat incidents.

The 2021 recipients that each received \$10,000 were:

- **Gilsum Fire & Rescue (Gilsum, NH)**
- **Kirksville Volunteer Fire Department (Richmond, KY)**
- **Ladonia Volunteer Fire Department (Phenix City, AL)**
- **Shelbyville Fire Department (Shelbyville, KY)**
- **Tusculum Volunteer Fire Department (Greeneville, TN)**

Established in 1835, the Gilsum Volunteer Fire Department and Rescue squad is an all-volunteer department that responds to calls for assistance in the Town of Gilsum, New Hampshire. The department has used this grant to acquire equipment, attend training, and develop a response plan. Equipment includes firefighting foam; foam pro pack; portable decontamination shower; and a detector for unknown gases. Gilsum Fire & Rescue also plans to provide HAZWOPER training, hazmat operations, and decontamination training for all members of their department.

“The CHEMTREC HELP award has allowed the Gilsum Fire & Rescue department to purchase hazmat detecting, decontamination, and mitigation equipment, that we otherwise could not afford. Gilsum is a rural community of 800 people. Our department was not equipped when a local manufacturer began making hand sanitizer. Receiving the HELP award has better prepared our department. The CHEMTREC HELP award will benefit a much larger area than our little town. Gilsum is a member of a mutual aid system that consists of 78 agencies across 3 states. The tools and equipment purchased through the HELP award can be utilized by our entire mutual aid group,” said Lieutenant Dee Denehy.

CHEMTREC and NVFC were able to visit with members of Gilsum Fire & Rescue.



Bruce Samuelsen, Chief Executive, CHEMTREC (second from left) presents a plaque to Gilsum Fire and Rescue Lieutenant Dee Denehy (third from left). The NVFC Director for New Hampshire Chief Charles Corey, Sr. (far right) attended on behalf of the National Volunteer Fire Council.

The Kirksville Volunteer Fire Department was established in 1977 and has 40 active volunteer members. Approximately 70% of their members are Eastern Kentucky University (EKU) students. Most of the Kirksville Fire Department student members are enrolled in EKU’s fire service program and plan to pursue careers in the fire service or a related public safety field. Through the HELP Award, the department will purchase two multi-gas detectors. In addition, the funding will be used to purchase a calibration station and needed calibration gas to support the new gas monitors. The department will also use the award to purchase absorbent socks, absorbent pads, and oil dry.



Members of the Kirksville Volunteer Fire Department with CHEMTREC staff and the National Volunteer Fire Council Kentucky Director.

Chief Logan King of the Kirksville Fire Department said, “As a volunteer fire department, we are constantly balancing ever expanding expectations and on scene duties, combined with decreasing retention and funding. Kirksville is grateful for the opportunity and positive involvement of CHEMTREC to allow us to better respond to the hazardous material exposures of our community. This grant will allow us to better assess situations and protect our firefighters from the residential, commercial, and possibly military-grade hazards that are presentable in our fire district. With the help of CHEMTREC, we are now able to better respond to any situation with the utmost



Left to Right: Joe Milazzo (Director of Operations Center, CHEMTREC), Assistant Chief Austin Carr, Chief Logan King, Captain Zach Basar, and Bruce Samuelsen (Chief Executive, CHEMTREC).

confidence of safety for not only the public, but also Kirksville personnel.”

The Ladonia Volunteer Fire Department handles an average of 1500 calls annually with 16 volunteer firefighters that are active with the department. The department, founded in 1973, will purchase hazardous material related items to improve their response capabilities in their territory and mutual aid response areas. The hazmat equipment they plan to purchase includes two four-gas detectors and testing and calibration materials, four pairs of binoculars, two SKED litter systems, and a co-oximeter. Any additional



Asst. Chief Jeremy Dunman, Joe Milazzo (CHEMTREC), Asst. Chief David Parker, Chief David Martin, and Erica Bernstein (CHEMTREC).

funds remaining will be utilized to purchase new reference materials and increase their hazmat response consumable stockpiles – including plug and dyke and sorbent pads.

Assistant Chief Jeremy Dunman said the following, “The award from CHEMTREC is allowing us to considerably improve our hazmat response capabilities. Our department’s ability to identify and respond appropriately to hazmat incidents has been greatly enhanced, which could have far-reaching effects in saving lives and property of the community we serve. This wouldn’t have been possible without the help of CHEMTREC. We would like to say thank you for this opportunity.”



Joe Milazzo (Director of Operation Center, second from left) with members of the Ladonia Volunteer Fire Department.



Left to right: Joe Milazzo (CHEMTREC), Bruce Samuelsen (CHEMTREC), Assistant Chief Tucker, Beth Williams (Shelbyville Recruitment & Retention Officer), Chief Rothenburger, Greg Schultz (National Volunteer Fire Council KY Director) with members of the Shelbyville Volunteer Fire Department.

The Shelbyville Fire Department was established in 1819 and currently has 16 hazardous materials technicians. Their fire department is the only agency in the county specifically trained to respond to the increasing threat of weapons of mass destruction/hazmat and contamination (chemical, biological, or radiation) release within their response area. The hazmat response equipment will protect against a broad range of CBRN threats and will enhance the capability and efficiency of the department to respond to hazardous materials release either by accident or an intentional criminal act.

“The Shelbyville Fire Department is honored to be a recipient of the CHEMTREC annual hazardous materials grant. Shelbyville, Kentucky is one of the fastest growing communities in the state. With growth comes increased challenges, including the possibility of fixed site and/or transportation accidents involving hazardous materials. Equipment purchased with the award will be used to control, contain, and mitigate the effects of the dangerous chemicals that are posing a risk to life and the environment. Being in the fire service for over two decades, CHEMTREC has always been a great resource and public safety partner,” said Shelbyville Fire Department Chief Rob Rothenburger.



Hazmat response equipment that the Shelbyville Fire Department has been able to purchase through the CHEMTREC HELP Award.

The Tusculum Volunteer Fire Department has five state certified hazmat personnel (four technicians and one specialist) in the department. The department, founded in 1952, can only afford the basic minimum equipment for hazmat related incidents. They train annually on how to perform the minimum procedures due to limited equipment. The department responds not only in our first due area, but into the surrounding communities across the county. The equipment they can purchase through the HELP Award will allow them to perform an advanced level of decontamination and conduct air monitoring.

The personal protective equipment (PPE) and hazmat response equipment the Tusculum Volunteer Fire Department will purchase includes: four SCBA cylinders and facemasks, multi-gas diffusion detector, portable decontamination pack, PPE cleaner, contractor grade garden hoses and nozzles, fire service salvage covers, foam solution, and long handle wash brushes.

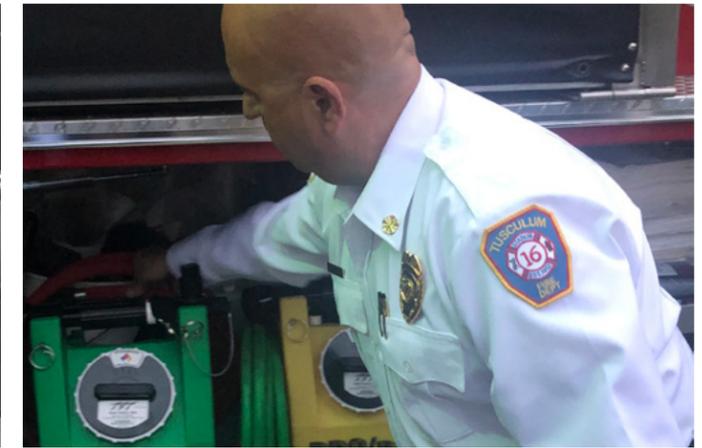
Chief Marty Shelton said, “The Tusculum Volunteer Fire Department was selected to receive the CHEMTREC HELP Award to increase our ability to provide decontamination services. We routinely respond to calls in surrounding communities and provide these services to their departments. We aim to continue making updates to best serve our community, but more importantly, we will strive to keep our firefighters and their PPE safe. The equipment purchased using the HELP Award funding was spaced out on three engines to cover routine incidents. As more complex incidents arise, the engines are combined with those resources. We are extremely grateful for the selection of the CHEMTREC HELP Award to make these equipment acquisitions possible.”



Left to Right: Bruce Samuelsen (CHEMTREC), Joe Milazzo (CHEMTREC), Chief Marty Shelton (Tusculum Volunteer Fire Department), Mayor of Tusculum - Alan Corley, Chief Melvin Martin (TN Director - National Volunteer Fire Council).



Chief Marty Shelton (Tusculum Volunteer Fire Department) shows Joe Milazzo (Director of Operations) the air monitoring equipment funded by the CHEMTREC HELP Award.



Chief Marty Shelton shows the decontamination equipment purchased by the department from the \$10,000 CHEMTREC HELP Award they received.



Members of the CHEMTREC Team & the National Volunteer Fire Council Tennessee Director visit with members of the Tusculum Volunteer Fire Department and the Mayor of Tusculum.



Cylinders and face mask covers purchased through the CHEMTREC HELP Award by the Tusculum Volunteer Fire Department.

## IN THE YEAR AHEAD

**CHEMTREC is pleased to announce that we will be continuing the HELP Award in partnership with the National Volunteer Fire Council for the fourth consecutive year. This year we will be providing \$10,000 each to two volunteer fire departments that are members of the NVFC! The 2022 application period will be open from June 1 to September 1.**

Be sure to review **all** criteria before applying, but a few key items to note that are sometimes overlooked by applicants:

1. Check to be sure that either the Chief or individual applying on behalf of the department is a member of the NVFC.
2. Funding for your department must **not exceed** \$250,000 annually.
3. The narrative questions are key! Remember, the award period is open until September 1, which leaves plenty of time to write a detailed narrative (1000 words or less). Take this opportunity to describe the specific equipment or training that your department needs. What are the estimated costs? Has there been a past incident that demonstrated a gap in training or equipment for your department? Paint a picture of your community, your department, and highlight how these awards could fill a gap.

**If you have questions regarding the CHEMTREC HELP Award, please contact Erica Bernstein, Director of Outreach, CHEMTREC at [eberstein@chemtrec.com](mailto:eberstein@chemtrec.com) or visit [www.chemtrec.com/helpaward](http://www.chemtrec.com/helpaward).**



## Introducing TRANSCAER Mexico

Article By: Jennifer Membreno-Maltez, TRANSCAER Specialist, CHEMTREC®

TRANSCAER's outreach initiatives continue to expand across North America. Established in April 2021, TRANSCAER Mexico will help further our mission of preparing communities and first responders throughout Mexico.

The TRANSCAER Mexico Task Group has been meeting regularly, planning training events, hosting joint webinars, and establishing a Corporate Membership Program to support responders in Mexico. Each member of the Task Group has volunteered their time and expertise because they believe in assisting Mexican communities and emergency responders to be prepared for and respond to hazardous material transportation incidents.

TRANSCAER appreciates the following organizations for their continued efforts serving on the TRANSCAER Mexico Task Group:

- Ferromex
- IQUISA
- Kansas City Southern de Mexico
- ROT Quimica
- SETIQ
- Shell
- The Chemours Company
- The Chlorine Institute
- Union Pacific Railroad

### Mexico Regional Coordinators

The TRANSCAER Mexico Coordinator Program will operate similarly to the program in the United States. Mexico Regional Coordinators are a dedicated group of volunteers from across the country and throughout the industry, serving as liaisons between the local community and TRANSCAER Mexico. Responsibilities of Mexico Regional Coordinators include identifying the program's needs and opportunities across Mexico, engaging with local emergency planning committees, promoting TRANSCAER Mexico events, and organizing resources.

If you share TRANSCAER Mexico's mission to help communities prepare for and respond to hazmat emergencies, please consider applying to be a Mexico regional coordinator: <https://www.transcaer.com/es/coordinators/apply>



**Mexico Regional Coordinators are a dedicated group of volunteers from across the country and throughout the industry, serving as liaisons between the local community and TRANSCAER Mexico.**

### Free Trainings and Resources in Spanish

TRANSCAER Mexico will offer free trainings, local resources, and preparation of drills and exercises all in Spanish. TRANSCAER Mexico, in partnership with The Chlorine Institute, successfully held two Spanish webinars last year, training 833 attendees. The webinars not only had attendees from Mexico, but participants came from other Spanish-speaking countries, such as Argentina, Chile, Colombia, Ecuador, El Salvador, Peru, the United States, and many others.

TRANSCAER Mexico is looking forward to partnering with Ferromex and Kansas City Southern de Mexico to host an in-person training in Veracruz, Mexico in October 2022. The training event will focus on flammable liquids.

### Support TRANSCAER Mexico

TRANSCAER Mexico hopes to grow with the financial support of Corporate Members through our TRANSCAER Mexico Corporate Membership program. Since TRANSCAER Mexico is a voluntary outreach program, we depend on our Corporate Members to financially support our training and outreach initiatives in Mexico. Additionally, the TRANSCAER Mexico Corporate Membership program provides companies with marketing opportunities to emergency responders, industry, and transportation companies, while also providing financial support to TRANSCAER Mexico.

Pledge your support by completing the TRANSCAER Mexico Corporate Membership application form: <https://www.transcaer.com/mexico/formulario-de-solicitud-de-miembro-corporativo> ■

For more information about the TRANSCAER Mexico Corporate Membership Program, download our brochure:



**TRANSCAER Mexico will offer free trainings, local resources, and preparation of drills and exercises all in Spanish.**

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Finally, sign up for the TRANSCAER Mexico Spanish eNewsletter to stay up to date on the latest TRANSCAER Mexico events and upcoming training opportunities: <https://www.transcaer.com/mexico/suscripcion-boletines-electronicos-y-revistas>

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# STEEL DRUMS: DECODING THEIR MARKINGS TO SAVE LIVES

Article By: Matt Mlynarczyk, Executive Director, Industrial Steel Drum Institute

As a TRANSCAER sponsor, the Industrial Steel Drum Institute conducts training that offers first responders critical information to help them safely manage potentially hazardous incidents involving steel drums. This training is important because steel drums are used to transport more than 50 million tons of hazardous and non-hazardous materials worldwide each year.

“We are dedicated to educating first responders on the nuances of safely handling steel drums,” said ISDI Executive Director Matt Mlynarczyk. “Through live and virtual trainings, we share vital information that helps first responders to effectively de-escalate hazmat incidents while also keeping them as safe as possible.”

We know that the decisions made and actions taken in the first few minutes of a hazmat incident response can define its outcome. We also understand there can be uncertainty regarding the markings found on steel drums and the contents most often found in them. This article is designed to serve as a primer to help first responders determine the likely contents of steel drums by understanding their markings. This can help first responders make informed decisions regarding safer and more successful responses.

## Steel Drums: Types and Most Common Contents

There are two types of steel drums, tighthead and open head. Both can contain a very diverse range of contents,

which can include everything from non-hazardous materials, such as fruit juice and foodstuffs, to dangerous explosives, flammable liquids, flammable solids, oxidizers, poisons, infectious substances, radioactive materials, corrosives, and miscellaneous hazards.

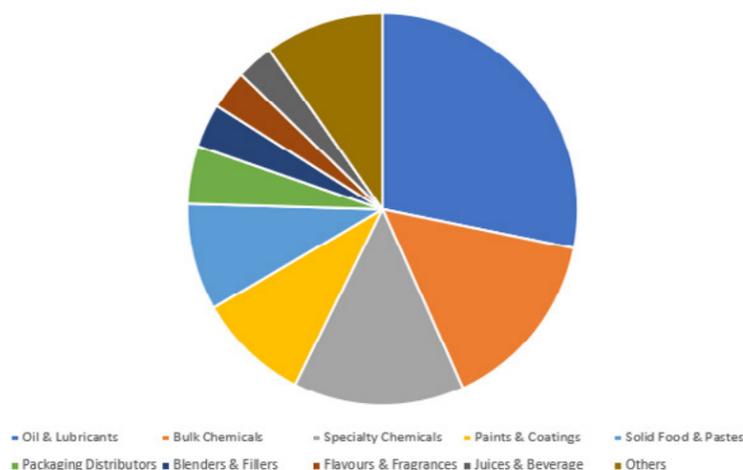
Flammable liquids (Class 3) and corrosive materials (Class 8) are the two hazardous materials most often shipped in steel drums.

## Initial Response Assessment: Decoding the UN Markings on Steel Drums

One of the most important things that a first responder should quickly locate and assess during an incident that involves steel drums is each drum’s UN markings. It’s critical for a first responder to know how to locate and decode these markings found on both types of steel drums: open head and tighthead. Every drum, no matter the type, used to transport hazardous materials or dangerous goods must include this UN marking. This marking provides important information and indicates that the drum has passed rigorous performance testing, meets international standards, and is properly rated for various hazardous materials and dangerous goods.

Each drum used to transport hazardous materials or dangerous goods must be certified by either the manufacturer or a certified third-party laboratory. It is a violation of federal regulations to use a drum that hasn’t been tested, certified, and marked for the transport of hazardous materials.

Global Steel Drum Sales by End Use



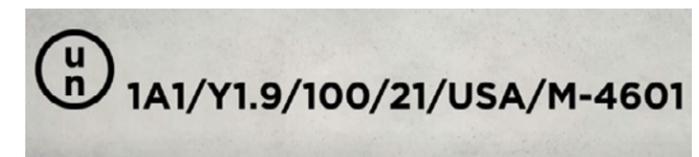
There are performance-based packaging tests that must be conducted annually, and most steel drum manufacturers conduct rigorous in-house testing, including the following tests:

- Drop test with a drop height based on the weight of the lading and the packing group. A drop test can be as low as 0.6 meters or as high as 2.7 meters depending on the rating of the drum. The ratings are used to authorize the drum for the potential hazards of the filling goods.
- Leak-proofness test conducted for five minutes at 30 KiloPascals (kPa) for drums marked “X” for packing group 1, or 20 kPa for drums authorized for packing groups 2 or 3 with drums marked “Y” or “Z.”
- Hydrostatic pressure test level is determined by the vapor pressure of the intended lading. This test involves filling the drum with water and pressurizing it to a minimum of 100 kPa except for Packing Group 1-authorized drums, where the minimum hydrostatic pressure test is 250 kPa.
- Annual stack test based on the weight of the lading in a three-meter-high stack; they also must be capable of passing a vibration test that simulates over-the-road transportation.
- Open head drums must also pass a tip-over test where the drum is filled with water and tipped over; it must not leak.

The UN marking is often found on a drum’s lower panel and is also required to be on the bottom cover. It indicates that the drum has been tested in accordance with U.S. Department of Transportation regulations for package testing. Reconditioned drums may have a different mark on the side of the drum because if a drum is reconditioned after first use, the reconditioner may alter the design of the drum, leading to a lower DOT/UN marking. The marking on the bottom of the drums also indicates how the drums were made, including the thickness (in millimeters) of the top, bottom, and shell of the drum.

Now that you know where to find the UN markings on a steel drum, it is important to understand what they signify and why they are important.

## Sample UN Markings – Tighthead Steel Drum



**UN Symbol:** The markings must begin with the UN symbol, which can either be included with a lowercase “u” over a lowercase “n” in a circle or as an uppercase “UN” On the bottom embossment. This symbol is the first character when reading the marking string from left to right. The UN symbol indicates the packaging has been UN tested and certified.

**Packing Designation Code:** The UN symbol is followed by an alphanumeric designation that indicates the type of packaging and material of construction. For this example, it’s “1A1.” The number 1 signifies that the container is a drum, the letter A signifies the drum is made from steel, and the following number 1 signifies that the drum is a tighthead style. If this was an open head style steel drum, the alphanumeric designation would be “1A2.” The marking would also include an “S” to signify that the drum is either rated for solids or contains an inner packaging. Open head drums can be used for solids, or liquids, or they can be used as outer packs for inner packaging. Any drum rated for both solids and liquids must include the entire UN mark for each rating.

**Packing Group Level:** The next letter indicates the packing group level. According to 49 Code of Federal Regulations Part 171.8, a drum must be marked either “X,” “Y,” or “Z” to indicate the packing group to which it belongs. In this case, the “Y” indicates the drum could contain materials from either packing group 2 or 3.

X – Packing Group 1: Signifies materials with the highest degree of danger. It is indicated by an “X” mark. Drums marked with an “X” are authorized for all three hazard classes and packing groups 1, 2, and 3 as well as non-regulated materials.

Y – Packing Group 2: Signifies materials with medium degree of danger and is indicated by a “Y” mark. Chemicals in this group include sulfuric acid, hydrochloric acid, muriatic acid, gasoline, acetone, and various alcohols. Drums marked with a “Y” are authorized for materials from packing groups 2 and 3 as well as non-regulated materials.

Z – Packing Group 3: Signifies materials with the lowest degree of danger and is indicated by a “Z” mark. Phosphoric acid and diesel fuel are found in this packing group. Drums marked with a “Z” are authorized for materials only from packing group 3 or non-regulated materials.

**Specific Gravity or Gross Mass:** The “1.9” mark notes the authorizes the maximum specific gravity allowable in this tighthead drum. The mark indicates that the authorized lading may not be heavier than 1.9 times the weight of water (a 55-gallon steel drum filled with water weighs approximately 500 pounds). If this was an open head style drum, the “1.9” would be replaced with a number that would include the maximum gross mass (kilograms) that the package is allowed to weigh when filled (drum plus its contents). Steel drums are only authorized for up to 400 kilograms for solids.

**Hydrostatic Test Pressure or Solids:** Following the 1.9 mark is the hydrostatic test pressure mark that indicates this drum is authorized for liquids. The test pressure in this mark is 100 kPa. However, the mark could be up to 300 kPa or more. If this was an open head drum, the mark would instead be an “S” to designate solids.

**Year and Location of Manufacture:** Following the hydrostatic test pressure mark is the year of manufacture and the country authorizing the mark/country of manufacture. This example shows “21” and “USA” which are the last two digits of the drum’s year of manufacture along with the location of manufacture.

**Certification Number / Manufacturer’s Symbol:** The final designation is the certification number or manufacturer’s symbol. It is a DOT registered number that is specific to a manufacturer and a manufacturer’s location. M-4601 identifies a specific manufacturer and its address. Alternatively, the mark could be a registered symbol such as a set of corporate initials. In some cases, you may see a plus with a two-letter designation and a 4-digit number such as +AA0044. The plus designation signifies that the drum was certified by an outside third-party laboratory. Each outside lab has its own + designation.

**Steel Drums and Fusible Plugs: A Safer Combination for Flammable Materials**

A steel drum that contains flammable materials should be sealed with either a fusible or relieving style plastic plug to reduce the likelihood of a drum rupture or BLEVE during a fire. Fusible plugs fit into the same flange as a steel plug but are injection-molded from plastics such as polyethylene,

polypropylene, or nylon. They are used in place of metal plugs and are designed to melt during fire exposure to allow gasses to vent and relieve the internal pressure build-up inside a steel drum to reduce the likelihood of explosion. Uncontrollable high-hazard fires can occur if steel drums containing low-flashpoint liquids are not outfitted with fusible plugs and an adequate suppression system. The type of fusible plug material used depends on the lading. Fusible plugs are available with a variety of gaskets for maximum chemical compatibility and each type provides a reliable leakproof seal. These plugs can meet all UN packing group ratings for steel drums type 1A1 (tighthead) and steel drums type 1A2 (open head). Steel drums with fusible plugs filled with flammable liquids can be stacked four high, and even higher if containing non-hazardous materials.

First responders interested in learning more about steel drums are encouraged to attend future ISDI trainings or complete the ISDI course through TRANSCAER’s Learning Management System. For live trainings and the LMS course, attendees will receive a training certificate upon successful completion. Numerous resources related to steel drums can be found on the ISDI website at [www.whysteeldrums.org](http://www.whysteeldrums.org). ■

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Learn more about the many benefits of steel drums at [www.WhySteelDrums.org](http://www.WhySteelDrums.org).



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### FMCSA Training Provider Registry

CDL applicants subject to Entry-Level Driver Training regulations are now required to use the Training Provider Registry to find registered training providers.

Learn about how to meet the new Federal requirements:  
<https://tpr.fmcsa.dot.gov>





# TRANSCAER Canada Develops Modern Learning Tools

Article By: Kristina Adler, Transportation Policy and Program Officer, Chemistry Industry Association of Canada

Since the retirement of the CCPX 911 training tank car in 2018 due to an irreparable crack, TRANSCAER members and partners have been seeking ways to evolve the safety training program and develop innovative ways to engage with communities and first responders.

Working in partnership with Transport Canada's Rail Safety Improvement Program, the Chemistry Industry Association of Canada (CIAC) has developed cutting-edge virtual reality tools to support TRANSCAER outreach efforts and is working to build a new safety train to replace the retired CCPX 911.

TRANSCAER's virtual reality tour offers a 360° view of the retired CCPX 911 training tank car, allowing first responders to familiarize themselves with railway equipment and gain a better understanding of emergency response and safety procedures and the transportation of dangerous goods. The bilingual virtual reality experience allows TRANSCAER to reach more communities and first responders across Canada than ever before. These innovative virtual tools give stakeholders the flexibility to access TRANSCAER training on-demand from their laptop, smart phone, or desktop computer.

The TRANSCAER team was pleased to launch this web-based virtual reality tool in September 2021, in conjunction with

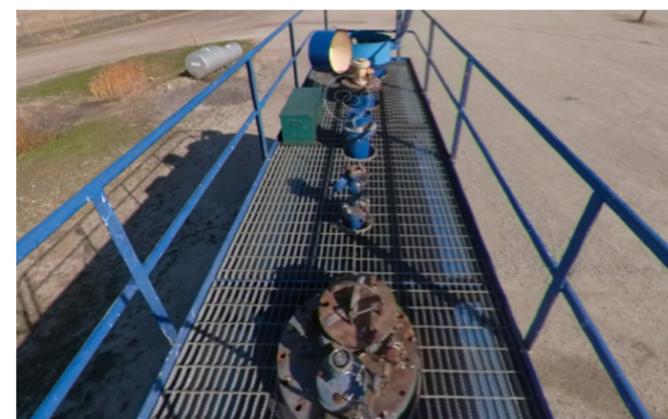
Rail Safety Week in Canada. The web-based learning tool proved to be an effective way to engage with stakeholders while navigating pandemic restrictions and closures throughout Canada.

The web-based delivery of the virtual tour of the CCPX 911 tank car is the first phase of the TRANSCAER virtual reality program. As the next step, TRANSCAER will begin using



Through the use of the web-based virtual reality tools, first responders can gain an understanding of tank car components and general rail safety.

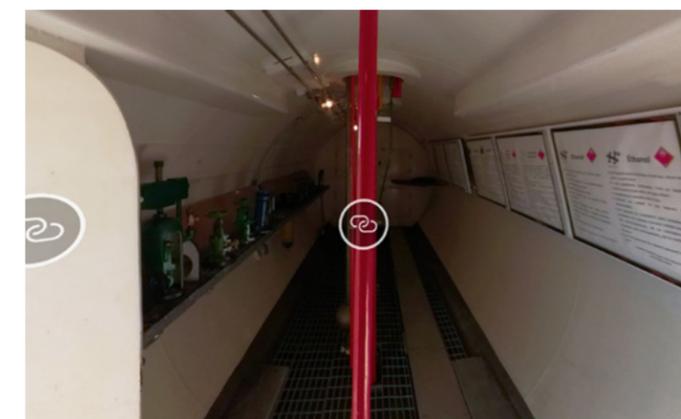
virtual reality headsets to offer a unique learning experience in communities and at events where the safety train cannot be present. CIAC and the Railway Association of Canada (RAC) will also host a series of virtual learning events where the new web-based virtual reality tools will be leveraged, giving stakeholders the ability to experience TRANSCAER outreach in a way that best suits their needs. The newly developed virtual tools will complement the hands-on instruction offered by



The web-based virtual reality tour gives a preview of the CCPX 911, allowing first responders to view arrangements on the top of the tank car and prop displays on the inside of the tank car.

the safety train by allowing remote communities to access training through virtual reality headsets and an interactive online program.

In addition to the new virtual reality tools, TRANSCAER is working under Transport Canada's Rail Safety Improvement Program to develop a new safety train to replace the CCPX 911. Significant progress has been made and is underway to begin the construction phase of the project.



The team has accomplished many project milestones, including securing a tank car donation from GATX. In 2021, the committee managing the project made progress on the design of the tank car including identifying the valve arrangements that will be used, producing preliminary drawings of the tank car, and working to procure parts and materials. The tank car is currently at GATX's shop in Red Deer, Alberta where the retrofit will begin later in 2022.

In the collaborative spirit of the TRANSCAER program, the team has worked with TRANSCAER and CIAC members and partners to source and secure donations to support the development of the tank car. This is an important step in the project and provides many stakeholders with the opportunity to get involved and donate to support the development of the TRANSCAER safety train.

When complete, the new safety train will embark on a cross-country tour, making stops in communities to raise rail safety and emergency response awareness for transportation incidents involving dangerous goods.

"We have come a long way towards setting up a modern training program for emergency first responders," said Randy Mak of Dow Chemical and TRANSCAER Canada's National Committee Chair.

The TRANSCAER team is excited to share its new tools with communities and first responders across Canada. This will provide additional opportunities for TRANSCAER to engage with stakeholders and broaden the reach of the TRANSCAER program in Canada for years to come. ■

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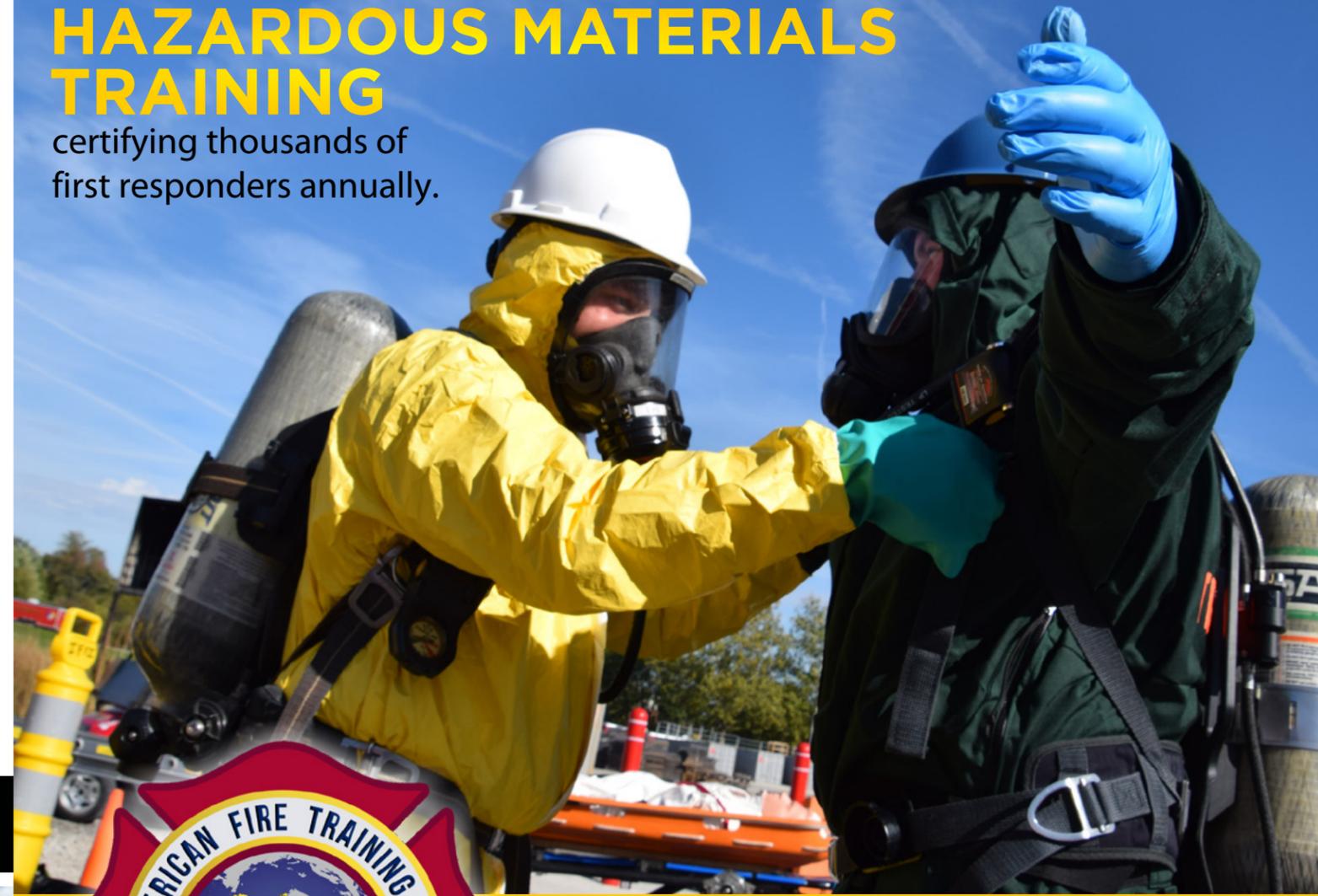
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# “No Placards...No Hazards?”

## The Real Hazards of DOT Limited Quantity Rules

Article By: David Patten, CHMM, Manager Hazardous Materials, Norfolk Southern Corporation



Aerial view of NS Intermodal Train Derailment on August 18, 2021 in Russell, MS

When responding to an emergency like a train derailment, we immediately want to know whether any hazardous materials are involved, have those packages been damaged or breached, and what hazards will responders face during the incident response. We check the train consist for any rail cars or trailers/containers for hazmat information. During the initial assessment, we look for placards or any other indication of a hazard.

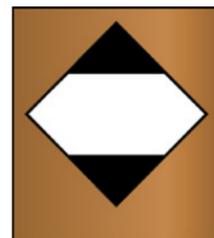
However, none of these steps would have alerted responders to the hazards lurking at the derailment site of a Norfolk Southern (NS) intermodal train in Russell, MS on the morning of August 18, 2021. The train consist did not indicate any hazardous material shipments were in the pile of damaged containers and the initial assessment did not find any placards or other signs of hazmat. As crews began clearing the damaged equipment, they encountered a container leaking a white powder that was a respiratory and skin irritant for site workers. All work was stopped and all workers cleared the area until NS hazmat crews determined what the substance was and mitigated the hazard.

They found the container emitting the powder and found 41,000 pounds of powdered calcium hypochlorite (Div. 5.1, PG II) in the form of pallets of 15 lb. boxes of powdered pool shock. A more detailed inspection of damaged lading also found several pallets of boxes of 1-gallon jugs of hypochlorite solution (Class 8, PG III) labeled as pool chlorinating liquid.

Compounding the issue were damaged containers of mineral oil and other petroleum products near the oxidizer and corrosive commodities, increasing the risk of a chemical reaction resulting in a fire. Clearing operations had to be delayed until NS hazmat crews were able to safely remove the hazardous commodities from the damaged containers and into covered roll-off boxes.



Div. 5.1 PG II Commodity in Limited Quantity Packaging



Limited Quantity Mark



This incident scene had the potential for a fiery chemical reaction and serious injury to site workers because of the unknown commodities involved. So, how did this happen? Shippers and transportation brokers often give generic descriptions of household goods, consumer products, freight of all kind and other vague descriptions for materials classified as non-hazardous. Hazardous materials packaged to meet the limited quantity exceptions can be shipped under these same generic non-hazardous shipping descriptions.

Limited quantity packages are not subject to the shipping paper and placarding requirements of hazmat regulations. The only indication that a package is a hazardous material would be shown by the limited

quantity marking on the package or box itself inside the trailer, shipping container, or railcar.

There are limited quantity exceptions for class 3, 4, 5, 6, 8, and 9 hazardous material commodities (49 CFR 173.150-55). Each hazard class limited quantity exception spells out the volume or weight limit for each inner package and the maximum weight for each outer package. These exceptions relieve limited quantity shippers of the requirements of subpart C (shipping papers) and subpart F (placarding) entirely. This means limited quantity packages can move in transportation as a non-hazardous shipment regardless of the total gross weight of hazardous material in those packages. Shippers can voluntarily identify these limited quantity shipments in domestic ground transportation, but they are not required and often do not.

As first responders, we need to keep this in mind when approaching highway or intermodal rail accident scenes. Just because the shipping papers do not indicate hazardous materials and no placards are displayed, doesn't mean there aren't dangerous quantities of hazmat involved.

When there is significant damage to a freight container or an unknown substance is leaking from a freight container, the contents should be approached with caution until they are positively identified. Avoid unintentional mixing of spilled products in case they are incompatible or can cause a chemical reaction. Look for the limited quantity markings on damaged packages. Often, shipments will have a packing slip somewhere just inside the doors of the container or trailer, providing more information about the contents.

Unless there is an immediate danger to life or health, take the time to identify what's inside a damaged freight container before disturbing or moving it. This will help prevent potential injuries and delays during the cleanup process.

Remember, no placards **DOES NOT** mean no hazmat. ■

### About the Author:

David Patten is a Hazardous Materials Manager for Norfolk Southern and has been with NS for 16 years. During his time at NS, he has worked in Transportation and the NS Police Department. For the last 11 years, David has worked in the Safety & Environmental Department in roles of increasing responsibility. David has managed numerous emergency response incidents, environmental clean-ups, and long-term remediation projects as member the Safety & Environmental Department. He is also a Veteran who served in the U.S. Navy as a Master at Arms in Operation Iraqi Freedom. David holds a bachelor's degree from Clemson University and is a Certified Hazardous Material Manager (CHMM).

# Join Operation Lifesaver in Celebrating 50 Years of Rail Safety Education in 2022

Article By: Rachel Maleh, Executive Director, Operation Lifesaver

Did you know that every three hours in the U.S., a person or vehicle is hit by a train? In 2020 alone, 1,901 vehicle-train collisions occurred across the country, resulting in 196 fatalities and 690 injuries; an additional 523 people were killed and 557 injured in rail trespassing incidents. Operation Lifesaver, a national non-profit organization, is dedicated to reducing these incidents in our communities through public awareness campaigns and free rail safety education.

## Background

Back in 1972, when vehicle-train collisions at railroad crossings peaked at 12,000 annually across the nation, Operation Lifesaver was started as a 6-week public awareness campaign to educate the public about safety at crossings. This year, Operation Lifesaver is celebrating its 50th Anniversary! Throughout the last 50 years, our mission has remained the same: to save lives by helping people avoid these incidents.

Operation Lifesaver's trained volunteers offer free in-person and virtual safety presentations to any audience including first responders, photographers, professional drivers, school-aged children, school bus drivers, new drivers, and community groups.

In 1986, the non-profit Operation Lifesaver, Inc. (OLI) national office was created to help support the efforts of state Operation Lifesaver programs, saving lives by sharing rail safety messages with audiences across the U.S. and beyond. OLI and TRANSCAER share a founding year, and both organizations are supported by volunteers who help carry out their missions. TRANSCAER is focused on assisting communities to prepare for and respond to

a possible hazardous material transportation incident, while Operation Lifesaver works to reduce – and one day, eliminate – preventable railroad crossing and trespassing incidents.

Over the past five decades, Operation Lifesaver and its safety partners, including TRANSCAER sponsors and partners, have helped reduce railroad crossing incidents by 84 percent. But there is more work to be done.

## Sharing the Rail Safety Message

Operation Lifesaver is a mission driven rail safety education non-profit powered by dedicated people. Our goal is to end collisions, deaths, and injuries on and around railroad tracks and trains through education and public awareness efforts with the general public while supporting the 3 E's: education, engineering, and enforcement. Today, Operation Lifesaver has programs in 46 states and Washington, DC.

Operation Lifesaver's public education and awareness campaigns use innovative marketing and digital communications to educate people about staying safe near tracks and trains. Our newest Public Service Announcements (PSAs) provide rail safety information for farmers, shift workers, mature drivers, and college students. The Stop Track Tragedies PSA campaign shares real-life stories that underscore the importance of making safe choices around railroad tracks and trains. All these resources are available at [www.oli.org](http://www.oli.org).

In addition to our PSA campaigns, Operation Lifesaver offers downloadable safety informational brochures and posters for different audiences, including first responders, professional drivers, pedestrians, and others. Our educational materials include lesson plans for grades Pre-K-12, gamified learning experiences for youth, instructional videos with supplemental materials, and eLearning programs for school bus drivers and professional drivers. New resources are now available for 4-H and FFA groups to help improve safety near trains with farmers and farm equipment operators.

# THE MOST IMPORTANT STOP OF THE DAY.

## STEPS TO SAFELY CROSS

### RAILROAD TRACKS

- 1 Eliminate all distractions.
- 2 Stop no closer than 15 feet and no farther than 50 feet from the crossing.
- 3 Look carefully in both directions for approaching trains.
- 4 Trucks carrying hazardous materials are required to STOP at all crossings unless there is an exempt sign posted.
- 5 Once you begin crossing the tracks, do not hesitate. Cross without stopping. If stuck on the tracks, evacuate immediately and call the number on the Blue and White sign.

## HELP STOP TRACK TRAGEDIES

Know the facts.  
Make good decisions.  
Share the message.

[OLI.ORG](http://OLI.ORG)

FOLLOW US ON SOCIAL

(800) 537-6224



Operation Lifesaver is celebrating its 50th Anniversary with a special logo.

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A safety poster for tank truck drivers was one of the new materials released by Operation Lifesaver in early 2021.

## New Resources for First Responders

In 2021, Operation Lifesaver launched an updated and improved program designed for first responders, which provides training on safe ways to respond to and investigate incidents near railroad tracks and trains. The Railroad Investigation and Safety Course (RISC) was developed for the North American first responder community by the nation's railroad police and Operation Lifesaver, Inc. RISC prepares first responders to use the proper safety techniques while responding to or investigating a grade crossing collision or trespasser incident, in addition to maintaining on-scene safety unique to the railroad environment. RISC is offered at no cost at Basic (1-hour), Intermediate (2-hour), and Advanced (4-hour) levels to help officers and first responders more effectively and safely manage rail-related incidents. Find out more and sign up for a course at [www.oli.org/risc](http://www.oli.org/risc). More information and resources for first responders also are available on our website at [www.oli.org](http://www.oli.org).



*Operation Lifesaver's Railroad Investigation and Safety Course (RISC) provides free training to allow first responders to respond effectively and safely to incidents involving the railroad.*

## Success Starts with State Programs, Volunteers and Partners

Operation Lifesaver is indebted to the Operation Lifesaver State Coordinators, who work every day managing their state programs, and volunteers who share the rail safety message in their communities. State Operation Lifesaver programs provide free educational presentations for the general public, school groups, driver education classes, community audiences, professional drivers, school bus drivers, outdoor enthusiasts, pedestrians, farmers, law enforcement, emergency responders, and more. Find out more about Operation Lifesaver state programs at [www.oli.org/state-coordinators](http://www.oli.org/state-coordinators), or visit [www.oli.org](http://www.oli.org) to schedule a free presentation.

Operation Lifesaver's Authorized Volunteers, or OLAVs, located in states across the country, are trained to provide free educational presentations sharing the rail safety message to the general public and specialized audiences.

OLAVs bring purpose to their work with Operation Lifesaver and are passionate about making their communities safer. These volunteers, including our highly-qualified RISC Instructors and Instructor Trainers, are another integral part of Operation Lifesaver's success.

Operation Lifesaver works with many rail safety partners, including federal agencies, private funders, and railroads, as well as other companies and safety organizations to share best practices for community outreach about rail safety. Our partners help us grow and expand our reach to new audiences. We are grateful to all of these partners, who are vital to Operation Lifesaver's accomplishments. If your company or organization is interested in becoming a rail safety partner, email us at [general@oli.org](mailto:general@oli.org).

## Commemorating #50YearsofRailSafety

Across the country this year, state Operation Lifesaver programs and the national Operation Lifesaver, Inc. office will celebrate our 50th Anniversary milestone with special events and social media messaging. Watch out for a new "Train Track Trivia" game the first Tuesday of each month at [www.oli.org](http://www.oli.org) to test your knowledge of rail safety and train trivia!

Our safety partners at Amtrak have created a commemorative Operation Lifesaver 50th Anniversary locomotive to share the rail safety message. This specially-painted Amtrak P-42 diesel locomotive, emblazoned on both sides with the message "See Tracks? Think Train!" is currently in service on diesel operated routes across the Amtrak national network.

As we celebrate 50 years of rail safety, Operation Lifesaver also is celebrating the Year of the Volunteer, to recognize and honor our dedicated Operation Lifesaver Authorized Volunteers, who provide free rail safety presentations nationwide. Operation Lifesaver is highlighting 50 OLAVs over 50 weeks of 2022 to show how these amazing volunteers are making a difference in their communities.

We invite you to visit our 50th Anniversary web page, [www.oli.org/celebrate](http://www.oli.org/celebrate), to view an interactive timeline, meet our featured volunteers, and find out how you can join the celebration. Be sure to follow Operation Lifesaver on social media for the latest news and information.

## More 2022 Events

In June, OLI will join safety partners at the Association of American Railroads, the Federal Railroad Administration and the Union of International Railways (UIC) as a host for the International Level Crossing Awareness Day and associated events from June 8-10 in Denver, Colorado.

Operation Lifesaver will also observe Rail Safety Week again this year from September 19-25, 2022. Since 2017, Rail Safety Week has saved lives by educating and



*Amtrak's Operation Lifesaver 50th Anniversary P-42 diesel locomotive, emblazoned on both sides with the message, "See Tracks? Think Train!" is currently in service on diesel operated routes across the passenger railroad's network.*

empowering the public to make safe decisions around trains and tracks and raising awareness of the need for rail safety education. Each day during Rail Safety Week has a theme emphasizing audiences and outreach messaging. For example, on Tuesday during Rail Safety Week, Amtrak leads a coordinated event for law enforcement and other first responders – Operation Clear Track – to emphasize rail safety enforcement efforts. Rail Safety Week is a collaborative effort among Operation Lifesaver, Inc., state Operation Lifesaver programs and rail safety partners across North America, organized by Operation Lifesaver, Inc. (OLI), Operation Lifesaver Canada and the Mexican Association of Railroads (AMF).

## Join Us

As Operation Lifesaver turns 50, now is a wonderful time to learn more about keeping yourself and your loved ones safe when driving or walking near railroad tracks, as well as to consider becoming an Operation Lifesaver Authorized Volunteer. We encourage everyone to learn more about Operation Lifesaver at [oli.org](http://oli.org) and find out more about volunteering for us at [www.oli.org/volunteer](http://www.oli.org/volunteer).

We won't rest until the number of crossing and trespass incidents reaches zero. Together, we can stop track tragedies. ■



## About the Author:

*Rachel Maleh is Executive Director of Operation Lifesaver, a non-profit safety group dedicated to saving lives through free safety talks and sharing information to raise awareness of the dangers around railroad tracks and trains. She has over 25 years of experience in nonprofit management, communications, marketing, fundraising, organizational development, and leadership transition planning. Find Operation Lifesaver resources, request a free presentation, and learn how to volunteer at [www.oli.org](http://www.oli.org).*

# ChemLock Exercises: HOW TO TEST YOUR PREPAREDNESS

Article By: Cybersecurity and Infrastructure Security Agency, U.S. Department of Homeland Security

Every day, thousands of businesses interact with dangerous chemicals that could be used in a terrorist attack. Do the personnel at your facility know how to handle or respond to an intentional cyber or physical attack on your facility or the chemicals your facility holds? The U.S. Cybersecurity and Infrastructure Security Agency (CISA) has begun a new program, ChemLock, to help facilities do just that.



**Know your chemicals.  
Lock in your security posture.**

For more than a decade, CISA's Chemical Facility Anti-Terrorism Standards (CFATS) regulatory program has worked with America's high-risk chemical facilities to ensure they have adequate and capable security. Through more than 11,000 inspections, 8,000 compliance assistance visits, and thousands of outreach engagements, CISA has developed an in-house body of chemical security expertise and is recognized as an international leader in chemical security.

To bring this chemical security expertise to all facilities that possess dangerous chemicals—not just facilities currently regulated under CFATS—CISA launched the ChemLock program in November 2021. ChemLock is a voluntary program that provides no-cost services and



tools to facilities that possess dangerous chemicals. Through the program, facilities understand the risks they face and improve their chemical security in a way that works with their business model. ChemLock is open to all facilities with dangerous chemicals, regardless of what sector they are a part of and whether they are covered by CFATS.

ChemLock has four types of security assistance available: on-site chemical security assessments, resources, such as guidance documents and templates, training courses, and exercises.

One of the most popular ChemLock offerings is CISA's exercises. Though all these services will assist the security posture at chemical facilities, exercises are an excellent way to test specific processes and procedures when preparing for a variety of different risks. Exercises are a key component of preparedness programs and provide a range of benefits for organizations. They provide an opportunity to share plans and planning assumptions, assess and validate capabilities, and identify best practices or areas for improvement. They also provide a low-risk setting for organizations to evaluate what they would do in an emergency situation and refine plans, roles, and responsibilities. This is accomplished through various methods, ranging from discussions—as is the case



### ChemLock Assessments

CISA helps facilities identify the specific security risks their on-site chemicals present and offers scalable, tailored suggestions for security measures that will best enhance their security posture based on their unique circumstances and business model.



### ChemLock Exercises

Exercises and drills are an excellent way to test your organization's preparedness for a variety of different risks. CISA offers CISA Tabletop Exercise Packages (CTEPs), drills, and general materials to help facilities conduct exercises that are tailored specifically for chemical security.



### ChemLock Resources

CISA's ChemLock resources are no-cost, publicly available guidance documents, templates, fact sheets, and toolkits to help facilities enhance the cyber and physical security surrounding their chemicals.



### ChemLock Training

CISA offers live, on-demand training to assist owners, operators, facility personnel, retailers, and emergency personnel with understanding the threats that chemicals pose and what security measures can be put into place to reduce the risk of dangerous chemicals being weaponized.



## CISA Tabletop Exercise Packages

with tabletop exercises—to small drills and large-scale simulated responses.

Knowing the importance of these exercises, the ChemLock program provides no cost, pre-built tabletop exercise templates called CISA Tabletop Exercise Packages (CTEPs) to enable facilities to plan and run exercises of their own. CTEPs address a variety of scenarios and help facilities test their emergency and security response plans. If a facility does not yet have a plan, ChemLock also has resources and training that can help facilities develop and implement a security plan readily available online at [www.cisa.gov/chemlock-security-plan](http://www.cisa.gov/chemlock-security-plan).

To help you conduct your own exercise at any level of your organization, CTEPs include suggested objectives and scenarios, planning documents, situation manual templates, questions for participants, resources, and scenarios. All CTEPs are built upon previous exercises and based on analysis from real-world events. Over a dozen CTEPs are crafted specifically for facilities with chemicals, covering scenarios such as active shooter, unmanned aerial systems (UAS), civil unrest, and cybersecurity. These documents are readily available through the [cisa.gov/chemlock-exercises](http://cisa.gov/chemlock-exercises) site, so you can download and modify them for your specific needs.

CISA can also assist you and your organization with tailored exercise design and facilitation. For facilities that take part in this service, CISA runs planning meetings and designs specific scenarios and discussion questions focused on their facility. CISA can also help identify additional partners whose participation would enhance the lessons learned derived from the exercise, like local law enforcement, fire, and emergency services.

CISA may also be able to support focused operational exercises such as drills. These exercises can be targeted at specific areas of response plans—such as reporting procedures, external messaging, and coordination—or how facility security can provide necessary support to responding law enforcement.

If you are interested in a more tailored or crafted exercise, please visit the "Request an Exercise or Drill" section of [cisa.gov/chemlock-exercises](http://cisa.gov/chemlock-exercises) and provide your information.

To sign up for a ChemLock exercise or any other CISA service, fill out a ChemLock Services Request form on [cisa.gov/chemlock](http://cisa.gov/chemlock). To learn more about ChemLock, email [ChemLock@cisa.dhs.gov](mailto:ChemLock@cisa.dhs.gov). ■

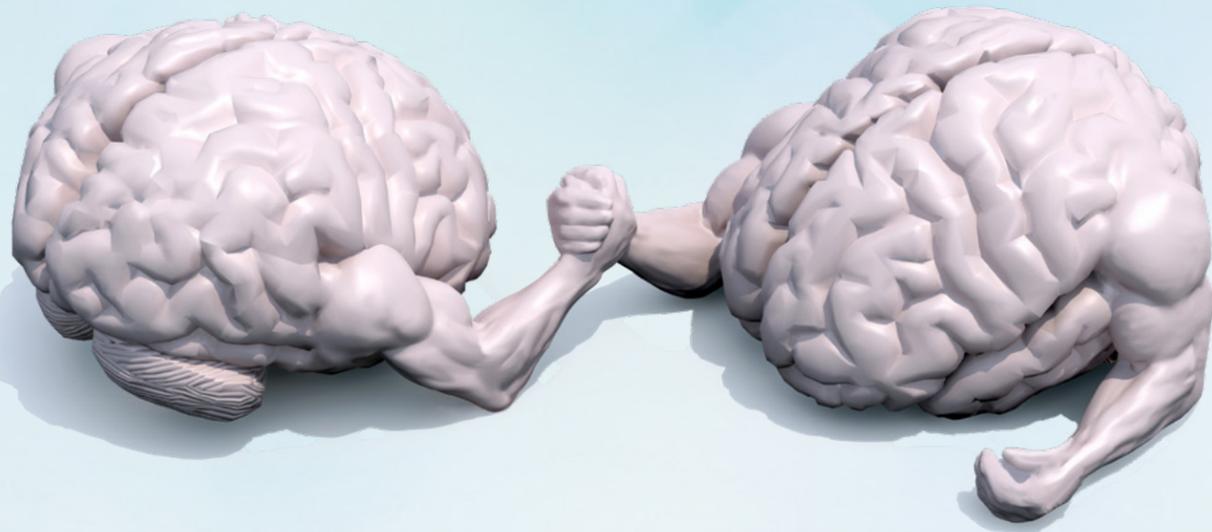


## 2022 CHEMTREC® HELP Award

CHEMTREC & the National Volunteer Fire Council are partnering to award **\$10,000 each to two volunteer fire departments in the U.S.**

**Application Period: June 1 - September 1**

**To learn more and apply visit [chemtrec.com/helpaward](http://chemtrec.com/helpaward)**



## LEARNING TO WRESTLE YOUR OWN MIND DURING HAZMAT INCIDENTS

Article By: Chris Scott, Crisis & Incident Management Services Manager, CHEMTREC  
Gareth Black, Senior Crisis Consultant, CHEMTREC

Working on incidents involving hazardous materials has the potential to be both a volatile and highly complex environment, an environment where complacency

**Have you ever wondered why some people seem better at commanding incidents or dealing with high pressure situations than others?**

lurks in the shadows and will take the upper hand very quickly, which could result in the loss of control in the blink of eye. Is complacency being subconsciously forced upon us by robust safety measures that we have learned to rely upon too heavily? Risk analysis, coupled with stringent health, safety, security, and environmental policies and procedures are given the highest priority by senior management. Millions of dollars are spent each year by companies to ensure that their people, environment, assets, and reputations are safe-

guarded. That said, is there an argument to suggest that we are being lulled into a false sense of security by default? History shows us that despite stringent policies and procedures, a plethora of new resources, and modern

technologies, hazmat related incidents still occur. So, despite the heavy reliance upon modern technologies and robust safety measures, can we ever replicate the agility of the human mind to respond to incidents most effectively?

When hazmat incidents occur, responders adopt incident roles and the leader becomes the “Incident Commander.” These responders manage all aspects of the response, including scene size-up, development of incident objectives, managing incident operations and control and application of resources, as well as a responsibility for the safety of all persons involved. These roles and responsibilities are an enormous ask of any human, regardless of background, knowledge, skills, or experience.



To manage the incident and their roles, responders adopt and utilize a series of skills known as non-technical skills (NTS) which support them in dealing with an incident effectively. The key NTS in a hazmat incident include situational awareness, decision making, communication, and leadership. NTS are not skills which are automatically inherited by humans; we must work hard to master them through training and exercises.

Have you ever wondered why some people seem better at commanding incidents or dealing with high pressure situations than others? Is it a natural acumen that humans possess, or can we learn to be good at it? Many potential problems exist when it comes to incident management, when the human mind is required to think, act, and respond in a very different way to what we are used to. After all, this is not a normal environment in which we operate. It is not general day to day business for humans.

During incidents, our rational thought process and technical knowledge can be wrestled by the amygdala in a battle of intuitive quick thinking vs. technical knowledge and rationale (KAHNEMAN, D. 2013). Once engaged, the amygdala works at speeds around 20 times faster than our prefrontal cortex and often completely takes over, forcing us into a fight or flight mode. This is referred to as an amygdala hijack. In a high-stress situation, it is natural for our responses to be taken over by the amygdala, a part of the brain that governs our emotional response to a situation.

The term “amygdala hijacking” was first used by psychologist Daniel Goleman in his 1995 book, “Emotional Intelligence: Why It Can Matter More Than IQ,” to refer to an immediate and intense emotional reaction that’s out of proportion to the situation (Goleman D. Emotional Intelligence: Why It Can Matter More Than IQ. New York: Bantam Books; 1995). When incidents occur, emergency responders step into a world of high pressure situations and significant stress factors, and these factors provide the perfect environment for an amygdala hijack. Responders can quickly find themselves embroiled in vicious circle of stress and an inability to rationalize a multitude of challenges to enable them to take control of the incident. “The best way to prevent an amygdala hijack is to increase your emotional intelligence [and use of non-technical skills]. Emotional intelligence describes your ability to understand and manage your emotions and use this information in positive ways to relieve stress, communicate effectively, empathize with others, and defuse the conflict” (Cuncic, A. (June 21, 2021). [Medically Reviewed by S. Lakhan, MD, PhD, FAAN]. Amygdala Hijack and the Fight or Flight Response).

So, how do responders manage this? Can responders learn to deal with these issues regardless of knowledge,

skills, background, and experience? How much training and exercises are required?

Our years of experience show that the risk versus benefit scales can absolutely be tipped in our favor if we embark upon a journey of resilience with robust training and exercising programs. Training to enhance responders’ non-technical skills can be both enjoyable and fascinating when it’s brought to life in an engaging and discursive environment. Once responders learn to understand what is happening to them as humans during an amygdala hijack, they can learn to control and suppress stress that overwhelms them, ensuring that their situational awareness, decision making, ability to communicate effectively and remain an effective responder is not all consumed by their own self-induced pressures.

**Training to enhance responders’ non-technical skills can be both enjoyable and fascinating when it’s brought to life in an engaging and discursive environment.**

Bringing this to life further in a range of exercises, be it a tabletop, functional, or full-scale exercise is a great way to learn. It is strongly recommended that responders experience some level of stress in a controlled exercise environment. It is the best way to understand how this pressure will affect you and how to deal with this naturally. You want to avoid experiencing an amygdala hijack during an incident. However, keep in mind amygdala hijacks happen to everyone, so we need to feel it, be prepared, and take as much control as we can. Then we can be prepared and ready to face the incident challenges ahead.

If your department is interested in learning more about the “Psychology of Command” workshops by CHEMTREC, please contact Crisis Solutions at [crisissolutions@chemtrec.com](mailto:crisissolutions@chemtrec.com). These workshops dive deeper into exploring the relationships between the world in which we now live and the difficulties of high-pressure situations, such as incident command and crisis management. During the workshop, we will explore why mistakes are made and how they are most often derived from pressure, often self-induced, to perform to high standards and how we can suffer from “cognitive tunneling” too focused on the task in hand without due care and consideration for the wider “strategic” thinking. ■



**About the Authors:**



**Chris Scott** has been working in the field of crisis and emergency response planning, training, and exercising for over 33 years and is a pioneer in the field. His 22 years of military experience coupled with studies in human intelligence, linked with an understanding of a person's ability to manage unwanted events has seen outstanding results.

Chris has a degree in leadership and management and a master's degree in Emergency Planning and Disaster Management, carefully linking with and complementing business continuity arrangements. He has worked around the globe for a wide range of organizations and well-known companies and extensively with UK emergency services.



**Gareth Black** is a thought leader in the field of crisis management, emergency response, and human factors. Gareth's master's degree in Homeland Security and Crisis Management, alongside his lecturing work at Coventry University mean he is at the cutting edge of developments in the field. He has a unique ability to turn his wealth

of academic experience into simple, practical, and intuitive solutions for clients, ensuring they remain at the forefront of crisis management practice. Gareth has received accolades for his work with the National Health Service, preparing for, responding to, and recovering from a wide range of incidents whilst also working on policy and procedural developments of national and international significance.



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

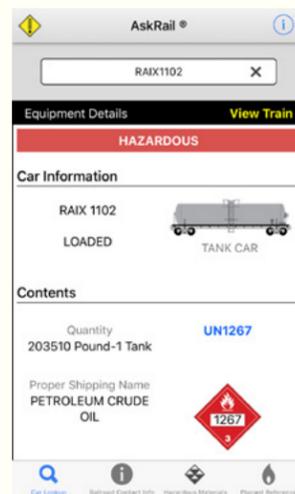
AskRail<sup>®</sup> is a safety tool for first responders.

- ✓ **Fast**
- ✓ **Accurate**
- ✓ **Simple**

Plan informed responses to rail emergencies involving hazardous materials with an easy-to-use mobile interface.



The app includes railroad emergency contacts and Emergency Response Guidebook links.



AskRail grants real-time access to data about the contents of specific railcars through the app's simple railcar ID search feature.

Learn more at [www.AskRail.us](http://www.AskRail.us)



# Pipeline Incidents

## Is your fire department prepared?

Millions of miles of pipelines stretch across the U.S., transporting hazardous materials through thousands of communities. Make sure your department is ready to safely and effectively respond should a pipeline incident occur. Access the FREE Fire Department Pipeline Response, Emergency Planning, and Preparedness (FD PREPP) online training and toolkit to help your department conduct pre-incident planning, increase preparedness, and improve response.

**Access the FD PREPP Resources:**  
[www.nvfc.org/pipelines](http://www.nvfc.org/pipelines)



Brought to you by the National Volunteer Fire Council and the Pipeline & Hazardous Materials Safety Administration



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

# TRANSCAER®

## CORPORATE MEMBERSHIP PROGRAM

### WHY BECOME A CORPORATE MEMBER?

TRANSCAER trains 30,000+\* emergency responders each year for FREE! Since we are a voluntary national outreach program, we depend on our corporate members to financially support our training and outreach initiatives.

Corporate membership benefits your company with new channels to promote your brand. Additionally, your membership contributions enable TRANSCAER to provide quality training programs for emergency responders throughout the year.

*\*Note: Due to COVID in 2020 and 2021, TRANSCAER was not able to train the same level of emergency responders. The training totals for 2015-2019 have consistently been over 30,000 responders annually.*

### OTHER BENEFITS INCLUDE:



**Employee Satisfaction:** Companies that partner with nonprofits and are engaged in community outreach tend to have better employee retention and satisfaction.



**Professional Development:** Volunteering is a great way to not only give back to your community, but one of the benefits of volunteerism to your employees is the ability to create new skills and sharpen existing ones.



**Philanthropy:** Volunteering highlights the philanthropic work of your organization and improves consumer confidence that your organization is invested in social responsibility.



**Marketing & Community Outreach:** Becoming a corporate member and showing your support of emergency responders improves your reputation among your peers and in the community. Improving employee satisfaction and professional development and demonstrating corporate social responsibility can result in a positive return on investment.

## CORPORATE MEMBERSHIP BENEFITS CHART

\$10,000	\$5,000	\$2,500	\$1,000
Chairman's Club	Corporate Gold	Corporate Silver	Corporate Bronze
\$500 allocated to the TRANSCAER Hazmat Team Response Fund	\$500 allocated to the TRANSCAER Hazmat Team Response Fund	\$500 allocated to the TRANSCAER Hazmat Team Response Fund	\$500 allocated to the TRANSCAER Hazmat Team Response Fund
Company is highlighted on social media accounts after joining + 5 additional times annually	Company is highlighted on social media accounts after joining + 3 additional times annually	Company is highlighted on social media accounts after joining + 1 additional time annually	Company is highlighted on social media accounts upon joining the program
Four complimentary ads per year in quarterly newsletter <i>(Size: 2550 x 600, max 500 KB)</i>	Two complimentary ads per year in quarterly newsletter <i>(Size: 2550 x 600, max 500 KB)</i>	One complimentary ad per year in quarterly newsletter <i>(Size: 2550 x 600, max 500 KB)</i>	Logo included in one thank you ad highlighting all Corporate Members in the quarterly newsletter
Six complimentary month-long ads on the TRANSCAER website <i>(Size: 366 x 275)</i>	Four complimentary month-long ads on the TRANSCAER website <i>(Size: 366 x 275)</i>	Two complimentary month-long ads on the TRANSCAER website <i>(Size: 366 x 275)</i>	-
Two articles in the quarterly newsletter	One article in the quarterly newsletter	-	-
Full - page ad in TRANSCAER today magazine	1/2 page ad in TRANSCAER today magazine	1/4 page ad in TRANSCAER today magazine	Logo included in thank you ad with all corporate member logos in TRANSCAER today magazine
Eligible to submit two articles to the TRANSCAER blog	Eligible to submit an article to the TRANSCAER blog	Not eligible for article submission	Not eligible for article submission
Logo on TRANSCAER Website	Logo on TRANSCAER Website	Logo on TRANSCAER Website	Logo on TRANSCAER Website
Company listing and link on TRANSCAER Website	-	-	-
Eligible to participate in national training events	-	-	-
Eligible to provide a company branded promotional item at one national conference each year	-	-	-
Logo on corporate member banner at all conferences where National TRANSCAER is exhibiting	-	-	-

# TRANSCAER Hazmat Training



Article By: Erica Bernstein, Director of Outreach, CHEMTREC®

TRANSCAER, Tanner Industries, CSX Transportation, Indian Springs Manufacturing, The Chlorine Institute, the Virginia Association of Hazardous Materials Response Specialists, along with staff from the Virginia Department of Emergency Management coordinated a two-day hazmat training on ammonia and chlorine for 64 emergency responders. The event was held at the Yorktown CBRNE Training Center in Seaford, VA on September 20-21, 2021.

David Binder (Tanner Industries) presented an overview of anhydrous ammonia, including its chemical and physical properties, placards, labels, containers, tank construction, and the hazards and potential outcomes associated with an anhydrous ammonia incident. A live release ammonia drill was held for the responders to practice and perform basic control and confinement operations, including tarp and cover. Decontamination and air monitoring were also incorporated in the drill.

Joe Taylor (CSX Transportation) provided an overview of the physical and chemical properties, transportation methods, health effects of acute exposure, proper selection of personal protective equipment, first aid, and medical treatment measures of chlorine and vinyl chloride monomer.

Attendees were also given a hands-on opportunity with multiple chlorine emergency response kits.



Ray Racha (Indian Springs Manufacturing) demonstrates how to apply the Emergency Kit "A."

Ray Racha (Indian Springs Manufacturing) led the Chlorine A-Kit and Chlorine B-Kit workshops. During the Chlorine A-Kit workshop, attendees learned about the potential leak scenarios for chlorine 150-lb cylinders and how to mitigate those leaks.



Live-release ammonia drill in Seaford, VA on September 20-21, 2021. All drills are conducted in a controlled environment and within regulatory guidelines.



Attendees practice the containment method of tarp and cover during the ammonia drill.

Attendees learned about the potential leak scenarios for chlorine ton containers and how to mitigate those leaks during the Chlorine B-Kit workshop.



Ray Racha (Indian Springs Manufacturing) shows attendees how to apply the Emergency Kit "B."

During the Chlorine C-Kit workshop, CSX Transportation reviewed the potential leak scenarios for chlorine rail tank car valves and fittings and how to mitigate those leaks. Attendees were able to practice installing the Emergency Kit "C" on a tank car housing prop.



Joe Taylor, CSX Transportation (far right) shows attendees how to apply the Chlorine Emergency Response Kit "C."



Instructors at the TRANSCAER Hazmat Training Event at the Yorktown CBRNE Training Center.

Left to Right: Captain Tim Wojcik (Newport News Fire Department - Hazmat), Todd Cannon (Virginia Department of Emergency Management), Larry Venable (Newport News Fire Department - Hazmat), Ray Racha (Indian Springs Manufacturing), Dan Antignano (Newport News Fire Department - Hazmat), David Binder (Tanner Industries), Bob Kelly (Philadelphia Fire Department), and Joe Taylor (CSX Transportation).

**Special thank you to the Newport News Fire Department, Yorktown Fire Department, and the Virginia Department of Emergency Management for their extra support during the training event. ■**

# CSX Transportation Participates in Vigilant Guard Exercise



Local first responders work to investigate and mitigate a simulated hazardous materials release during the exercise.



CSX Hazardous Materials Team personnel brief with members of the Tennessee National Guard during Vigilant Guard.



First responders are guided to the CSX Transportation Incident during the exercise.

## Photo Credits: Courtesy of CSX Transportation

CSX Transportation participated in the Tennessee National Guard's Vigilant Guard Exercises in August 2021 in Nashville, Tennessee. Members of the CSX Transportation Hazardous Materials Team conducted classroom and hands-on training for local and regional first responders on August 2-4, 2021, on emergency response to railroad incidents. Members of fire departments from Rutherford County, Smyrna, Murfreesboro, and Nashville attended the training, which covered response considerations to hazardous materials incidents on the railroad. This training featured the newly commissioned CSX Transportation Responder Incident Training Train (RIT). The RIT train was built by the hardworking men and women of CSX Transportation fabrication teams and is used to conduct emergency response training for communities throughout CSX's 23 state network.

Upon completing three days of training, the CSX Transportation Hazardous Materials and Incident Management Teams, contractors, and consultants participated in a full-scale exercise with federal, state, and local agencies and officials. Using a Unified Command System, attendees worked through a simulated derailment involving hazardous materials that would require an evacuation of downtown Nashville, including a dynamic and technical response to the release on land and water. The coordinated effort resulted in two days of exercising state and local response plans while first responders collaborated with the private sector to perform spill mitigation and community and work site air detection and monitoring. Drones were utilized during the exercise to prepare for a potential hazardous materials incident in transportation. ■



CSX Transportation Hazardous Materials Team Responder Incident Training (RIT) Train.

# reaching OUT



Left to Right: Keith Silverman (NTTG Member at Large), Jared Sharp (Crestwood Midstream Partners), Andy Johnson (iMed Design, Inc.)  
TRANSCAER had a busy 2021 with filming! A behind-the-scenes look at filming at Crestwood for a new safety video that focused on the high-way transportation of flammable liquids.



Left to Right: Keith Silverman (NTTG Member at Large) and Joe Milazzo (Director of Operations Center, CHEMTREC) were onsite during the 2021 FDIC International Conference held at Indianapolis Convention Center & Lucas Oil Stadium in Indianapolis, Indiana.



Left to Right: David Bullard (GA State Coordinator), Erica Bernstein (National TRANSCAER Director), Ken Desmond (NVFC Partner Representative), and Thomas Miller (WV State Coordinator) attending the National Volunteer Fire Council Fall Meeting in Jackson Hole, Wyoming in October 2021.



In honor of the 20th Anniversary of September 11th, members of CHEMTREC & TRANSCAER visited the Fairfax County Hazmat Team in Fairfax, VA. CHEMTREC provided 9/11 commemorative cups, CHEMTREC 50th anniversary challenge coins, emergency responder keychains, and three \$250 gift cards to purchase a meal for each of their shifts.



Left to Right: Jennifer Membreno-Maltez (TRANSCAER Specialist), Bruce Samuelsen (Chief Executive – CHEMTREC), Joe Taylor (Senior Manager of Hazardous Materials – CSX Transportation), Erica Bernstein (Director of Outreach – CHEMTREC), and Joe Milazzo (Director of Operations Center – CHEMTREC) got to see the new CSX Transportation RIT (Responder Incident Training) train in Fredericksburg, VA on September 28, 2021.



Rich Davey (CHEMTREC) welcomes attendees to the “Psychology of Incident Command” course that was held at CHEMTREC’s office, in partnership with TRANSCAER, on December 2 and December 9, 2021.



Left to Right: David Binder (Tanner Industries), Clem Schimikowski (CP), Andy Johnson (iMed Design)  
Behind the scenes from filming for the upcoming revised Ammonia Safety Training video to be released in early 2022. Filming took place at a Tanner Industries, Inc. facility in Havre de Grace, Maryland in November 2021.



Michael White (Indiana State Coordinator for TRANSCAER) helps staff the booth at the 2021 FDIC International Conference in Indianapolis, Indiana in August 2021. This was TRANSCAER’s first time exhibiting at the conference, and we can’t wait to be back in 2022!



Local responders in West Virginia onsite at the West Virginia Fire Service Extension in Weston, West Virginia filming foam operations for our upcoming new video on Over the Road Transportation of Flammable Liquids. Stay tuned for the video release in early 2022!



Left to Right: Captain Tim Wojcik (Newport News Fire Department), Todd Cannon (Virginia Department of Emergency Management), Larry Venable (Newport News Fire Department), Ray Racha (Indian Springs Manufacturing), Dan Antignano (Newport News Fire Department), David Binder (Tanner Industries, Inc.), Bob Kelly (Philadelphia Fire Department), and Joe Taylor (CSX Transportation) all assisted with the ammonia training and live-release drill and chlorine emergency response training in Yorktown, Virginia in September 2021.



# TRANSCAER® Hazmat Team Response Fund

Article by: Erica Bernstein, Director of Outreach, CHEMTREC

The TRANSCAER Hazmat Team Response Fund was established to assist hazmat responders in acquiring hazmat response equipment and advanced training to protect themselves and their community when responding to hazardous materials transportation incidents.

The TRANSCAER Hazmat Team Response Fund provides annual awards between \$500-\$2,500 (based on individual needs) to hazmat teams across the United States who are seeking to purchase specific hazmat equipment or attend advanced training.

Funding for the TRANSCAER Hazmat Team Response Fund is supported through our Corporate Membership Program. From each corporate membership fee, \$500 is directed to the Hazmat Team Response Fund.

The first departments to receive funding for the Hazmat Team Response Fund in 2021 were:

- Champaign Fire Department (Champaign, IL)
- Hawkins County Emergency Response Team (Rogersville, TN)
- Laredo Metro Fire Department (Laredo, TX)
- Devine Volunteer Fire & Rescue Department (Devine, TX)

Keith Silverman (Past Chairman, TRANSCAER Executive Committee) visited the Champaign Fire Department to present them with a plaque to commemorate their award. The Champaign Fire Department was selected to receive \$2,500 to purchase an Indian Springs Emergency Response Kit. The Champaign Fire Department said, “By purchasing the Indian Springs ERK we will have equipment with the

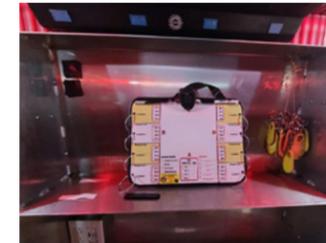
physical dimensions to apply capping devices to any pressure car we encounter. An added benefit to this kit is that it has fewer pieces to assemble while on scene and the patented clamping mechanism will allow us to apply the bridge without needing to access port holes to anchor the device...This device will be available to all teams covering Central and East Central Illinois through normal mutual aid and could be requested state-wide through our MABAS system.”

The Hawkins County Emergency Response Team (ERT) in Rogersville, TN used their funding to purchase hazmat response equipment for their two response vehicles, including multi-gas monitors, combustible gas monitors, calibration gas, regulator, incident command board, and accountability tags.



From Left to Right: Firefighter/Paramedic Josh Plese, Engineer Carrol Whitehouse, Fire Chief Gary Ludwig, Keith Silverman, Lieutenant Brian Ball, and Firefighter Eddie Shellman.

“Hawkins County ERT has put our equipment to good use. We currently have two go kits that contain our monitoring equipment for quick deployment. We also have our accountability system with ID tags for all our personnel. Our team is appreciative of the grant that was awarded to us. Thank you, TRANSCAER, for supporting Hawkins County ERT,” said Luke Wood, Training Officer, Hawkins County Emergency Response Team.



Accountability system with ID tags that Hawkins County ERT purchased with their TRANSCAER Hazmat Team Response Fund award.



The TRANSCAER Hazmat Team Response Fund provided funding for two go kits.



Combustible gas detector purchased through the TRANSCAER Hazmat Team Response Fund.

The Hazmat Response Team Funding will assist the Laredo Metro Fire Department (Laredo, TX) by augmenting their annual budget and helping in the acquisition of better equipment to better serve their community.

Devine Volunteer Fire & Rescue Department (Devine, TX) will utilize the funding received to send four or five members of their department to hazmat technician school, and purchase hazmat suits, decontamination equipment, and invest in better detection equipment.

The 2022 application period closed on May 1 and applications are currently being evaluated. TRANSCAER encourages your hazmat team to review the criteria below and be sure to follow TRANSCAER on social media (LinkedIn, Facebook, Twitter, and Instagram) or subscribe to our quarterly newsletter to be the first to hear when the 2023 application period opens! ■

## APPLICATION PERIOD

**The application period is open from February 1st to May 1st each year.**

## CRITERIA

To be eligible to apply for funding through the TRANSCAER Hazmat Team Response Fund, hazmat teams must meet the following criteria:



- **The Hazmat Team within a local or state fire department must be located in the United States and be legally organized under state law.**
- **The Hazmat Team must demonstrate their need to receive funding, and, in the application essay their department must describe the specific hazmat equipment that would be purchased and/or specific advanced training the hazmat team would attend to increase their response capabilities to hazardous material transportation incidents.**
- **Only one application will be accepted per Hazmat Team/Department. Any subsequent applications received from the Hazmat Team/Department during the application period will be disqualified.**
- **Past recipients of funding through the TRANSCAER Hazmat Team Response Fund must wait 5 years before reapplying for additional funding.**
- **The Hazmat Teams that receive funding must use the money to increase their hazmat response capabilities and not for any other purpose. The funding cannot be redistributed.**
- **The Hazmat Teams that receive funding agree that their department/hazmat team name, details from their application essay, and all photos taken during the award presentation may be used in media by CHEMTREC, TRANSCAER, and the American Chemistry Council for the purposes of promoting the TRANSCAER Hazmat Team Response Fund program.**
- **The Hazmat Teams who receive funding also agree to a department visit by a TRANSCAER representative for an award presentation within 60 days of notification of being selected as a recipient.**



Assisting Communities & Preparing Responders



Total Trained 2021:  
**26,155**

Hosted  
**91**  
webinars

**4,300+**  
Certificates issued on our  
Learning Management  
System

**14**  
FREE courses  
available at  
[hazmatcourses.com](http://hazmatcourses.com)

**10,137**  
trained through  
virtual and web-based  
opportunities

**FEDERAL RAILROAD ADMINISTRATION PROVIDES GRANT FUNDING SINCE 2010**

TRANSCAER receives grant funding for Transportation Emergency Response Training through the U.S. Department of Transportation's Federal Railroad Administration.



**\$877K**  
FRA Grant Support  
2010-2022

**PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION PROVIDES GRANT FUNDING SINCE 2019**

TRANSCAER receives grant funding through the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration - Assistance for Local Emergency Response Training (ALERT) Grant and the Community Safety Grant.



**\$650K**  
PHMSA Grant Support  
2019-2022

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Scan QR Code for quick access



# Meet Our Team

## 2022 Executive Committee



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Union Pacific Railroad



**VICE CHAIR**  
**Robyn Kinsley**  
The Chlorine Institute



**ACC MEMBER**  
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**NTTG MEMBER**  
**Keith Silverman**  
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**PAST CHAIR**  
**Missy Ruff**  
Renewable Fuels Association



**DIRECTOR**  
**Erica Bernstein**  
TRANSCAER/CHEMTREC

## Schedule a Drill

Quite often, the first time a responder interacts with CHEMTREC is during an actual emergency. So to help emergency responders, CHEMTREC offers a comprehensive drill program.

CHEMTREC's drill program familiarizes your team with our process by walking them through a mock emergency situation. The drill program is comprehensive, with exercises that simulate exactly how CHEMTREC's Emergency Service Specialists respond to actual emergency calls.

Emergency responders benefit from the drill experience. By walking through the motions of an actual chemical emergency call with CHEMTREC, they will have a better understanding of how CHEMTREC assists in these situations, as well as what resources and services we offer.

**Schedule a drill today:**

[www.chemtrec.com/training-drills/schedule-drill](http://www.chemtrec.com/training-drills/schedule-drill)

# Team Member Highlights



## CLEM W. SCHIMIKOWSKI

Hazardous Materials & Emergency Response Officer  
Canadian Pacific Rail (CP Rail)  
TRANSCAER State Coordinator - New York

Clem Schimikowski serves as the Hazardous Materials & Emergency Response Officer for CP Rail and is currently based out of the Northeast U.S. region in Saratoga Springs, New York. His primary region for responder training and response readiness ranges from Michigan to New York and the province of Quebec. With the recent acquisition of the Central Maine & Quebec Rail, this has now expanded to include Vermont and Maine. Clem's responsibilities include local training, response readiness, and responding to incidents system wide on CP Rails network.

Clem is also the lead instructor for CP Rails training program presented at the Security and Emergency Response

Training Center (SERTC). CP Rail's program combines providing response personnel with tank car response training, while at the same time CP Rail employees complete an ICS300 course. This unique program has students interacting during the week as they would on an actual incident, allowing them to gain a better appreciation of different response aspects.

Clem has over 32-years of experience in the field of emergency response and has served in various capacities over the years. Starting with firefighting, he has served as a career firefighter, industrial firefighter, fire commissioner, and multiple ranks within the service. Today, Clem volunteers in his community as a fire chief and an EMT. Additionally, he has worked on various hazardous materials response teams throughout his career and provides instruction on hazmat responses

and incident management. Clem is a credentialed NFPA 1403 live fire instructor, NIMS/ICS Instructor, FEMA Instructor, and NFPA 1041 Instructor 1 & 2 and has taught at various locations across North America.

Clem supported TRANSCAER's *Seconds Count - Are You Prepared?* video series. Clem worked with the task group on scripts and content for the series, which includes videos designed to introduce varying topics to first responders. Prior to being the TRANSCAER State Coordinator for New York, Clem served as the Georgia Coordinator during the 2000's when he was working as a response contractor, trainer, and firefighter in Metro Atlanta. Clem also serves as CP's representative on the National TRANSCAER Task Group. When not responding or training, Clem enjoys spending time on the waters of New York cruising in his boat.



## TOBY CROW

Emergency Response and Security Center of Expertise Leader  
Corteva Agriscience

Emergency Services and Security in 2011. In June of 2019, Toby joined Corteva Agriscience, previously the Agriculture Division of DowDuPont.

Toby's current responsibilities include global governance of Corteva Agriscience's Distribution Emergency Response program, which aids in an efficient, unified response during transportation incidents. He is also responsible for the governance of Corteva Agriscience's Emergency Response program and serves as a MTSA (Maritime Transportation Security Act) subject matter expert. Toby has served as a member of the National TRANSCAER Task Group (NTTG), representing Corteva Agriscience since 2018. He is passionate about emergency response, security, and ensuring that responders are trained and prepared to safely respond to incidents through

training, knowledge sharing, and community outreach.

Toby holds a BAT in Operations Management, is a Texas and NREMT EMT, and maintains Pro Board certifications in Industrial Fire Brigade, Confined Space Rescue, and Hazardous Materials Technician. He resides with his family in Lake Jackson, Texas where he enjoys spending time with his family, biking, and participating in other outdoor activities.



## MATT MLYNARCZYK

Executive Director  
Industrial Steel Drum Institute

Matt Mlynarczyk is the Executive Director of the Industrial Steel Drum Institute (ISDI), a trade association that represents steel drum manufacturers and their suppliers in the United States, Canada, and Mexico.

He has more than 30 years of experience managing government relations, public affairs, and strategic communications

initiatives for trade associations, political organizations, and federal agencies.

Matt has considerable experience in the freight transportation and critical infrastructure sectors and has served in various capacities at the U.S. Department of Homeland Security, the Federal Highway Administration, the American Trucking Associations, the National Private Truck Council, and the Intermodal Association of North America.

Mlynarczyk also serves as president of Advocatus Group, LLC, an Alexandria, Virginia consulting firm he founded in 2002.

Matt serves on the National TRANSCAER Task Group as the sponsor representative for ISDI.



## KEN DESMOND

State Director Maine  
National Volunteer Fire Council (NVFC)

in 2014. He is also a retired Emergency Management Operations Training Specialist from the Lincoln County Emergency Management Agency in Wiscasset, Maine. He currently serves on the State of Maine Fire Protection Service Commission, several NFPA Standard Committees, and is the Vice Chair of the NVFC Hazmat Committee.

For TRANSCAER, Ken serves as the partner representative for the NVFC. He assists with seeking volunteers for task groups for the TRANSCAER

*Seconds Count* videos, provides quarterly updates to the National TRANSCAER Task Group on the NVFC, and assists TRANSCAER with conducting outreach to the volunteer fire service.

# NATIONAL TRANSCAER<sup>SM</sup> TASK GROUP

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## TRANSCAER COORDINATORS

If you are looking for training or additional resources,  
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Coordinator

# THANK YOU

## to our TRANSCAER Corporate Members



**CTEH**<sup>®</sup>  
THE SCIENCE OF READY<sup>SM</sup>



## Letter from Director



### Erica Bernstein

Director, Outreach &  
Special Programs  
CHEMTREC

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Last year, TRANSCAER reached an exciting milestone as we celebrated our 35th anniversary! It was a great opportunity to look back at the program and reflect on how much we've grown. One thing that has remained constant is our mission of assisting communities and preparing responders for hazmat incidents.

One of our major accomplishments from last year was TRANSCAER awarded four hazmat teams \$2,500 each to acquire hazmat response equipment or attend advanced training to protect themselves and their community when responding to hazardous materials transportation incidents. We appreciate our Corporate Members supporting this fund and our Texas State Team for providing additional funds last year for two departments in Texas.

TRANSCAER's new Learning Management System was booming in 2021, with over 4,300+ certificates issued. We now have 14 courses available 24/7 and credit hours are included on each certificate. TRANSCAER was glad to see some additional in-person training held in 2021. We know it's been extremely challenging with the continued pandemic to host in-person training, but TRANSCAER was able to reach

26,155 attendees through 701 training events and webinars.

As we enter 2022, TRANSCAER has added one new Sponsor, PRBA – The Rechargeable Battery Associations, a new Corporate Member, Resolute Environmental & Response Services, LLC, and a new Partner – Operation Lifesaver, Inc. I look forward to working collaboratively with PRBA to develop new resources on lithium-ion batteries and furthering our outreach through OLI. This year is also looking more hopeful that we will be able to connect again soon at hazmat conferences and training events.

To the emergency responder community, thank you for putting yourself in harm's way every day so that you can keep others safe – you are so appreciated. We admire your dedication, service, and spirit. Stay safe and thank you again for everything you do for your community!

To our Sponsors, Partners, Corporate Members, and State Coordinators, a huge thank you for continuing to remain engaged with the TRANSCAER program and supporting responders and communities. We appreciate all that you do, and are excited to see all the outreach, training, and new resources planned for the year ahead!

Looking forward to the next 35+ years of assisting communities and preparing responders together!

Sincerely,  
**Erica Bernstein**



**We know it's been extremely challenging with the continued pandemic to host in-person training, but TRANSCAER was able to reach 26,155 attendees through 701 training events and webinars.**



Members of the National TRANSCAER Task Group, TRANSCAER Corporate Members, and several members of the CHEMTREC Team celebrating TRANSCAER's 35<sup>th</sup> Anniversary!

# THE TRANSCAER MISSION IS TO:

Promote safe transportation and handling of hazardous materials

Aid community emergency response planning

Educate and assist communities regarding hazardous materials



## TRANSCAER®

### STAY UP TO THE MINUTE on News & Events

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