

# COMPLIANCE CONNECTION

September / October 2019

Vol 3 Issue 5

A bimonthly newsletter designed to help you navigate the ins and outs of compliance and the safe practice of industrial refrigeration.

## Incident Commander Training

By David Bennett

What is an Incident Commander? An Incident Commander is the person responsible for all aspects of an emergency response. This includes quickly developing incident objectives, managing all incident operations, applying resources as well as being responsible for all persons involved. The Incident Commander must immediately take charge of the event. The decisions the Incident Commander makes in the first five to ten minutes will dictate the outcome of the event.

The decisions made by the Incident Commander have the potential to change the lives of the people in and around the facility. Therefore, proper and extensive training of not only the Incident Commander, but also the other employees is crucial. Local fire and police departments are great resources for mock drills and tabletop exercises involving "what if" scenarios. Training aligns all involved employees in the event of a hazardous situation. Keeping everyone on the same page during a hazardous situation provides the best chance of getting everyone home safely.

An Incident Commander must be informed of every aspect of the event, from the chemical that is being released to accounting for all personnel. All personnel includes not only the employees, but also the contractors, truck drivers and the community that is surrounding your facility.

Additionally, the Incident Commander must be able to understand and interpret the Emergency Response Plan and the Emergency Action Plan that are in place for the facility. These plans dictate what to do, how to proceed and the appropriate time to set the plans in motion.

With practice and preparedness, the Incident Commander will excel as a leader under extraordinary circumstances. The main goal for the Incident Commander is life safety in any situation. The better the Incident Commander is prepared, the better the outcome for everyone involved. Remember, the decisions made in those first five to ten minutes can mean the difference between life and death. Therefore, it is imperative to have a competently trained Incident Commander who will lead your company in the event of a hazardous situation.

## October ... Traditionally a Month for Harvest

October may be the traditional month for harvest, or the celebration thereof, but we did a little research and discovered a few things that you might not know about the tenth month of the year.

- October is also National Dessert Month! We have a friend whose motto is "Eat dessert first for life is so uncertain!" Now that's a motto that celebrates the month of October all year long!

- October is the eighth month of the Roman Calendar, which is how it got its name. It comes from the Latin word "octo" meaning eight. Odd that it's the tenth month of the year; but that happened when January and February were added to the annual calendar. The Julian Calendar was completed during the reign of Roman Emperor Augustus (the successor of Julius Caesar).

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## 40-hour Operator Level 2 Class Oct. 14-18, 2019

### Hands-on Training in a Working Engine Room

Industrial Consultants has teamed up with InterCool to bring this **not-to-be-missed hands-on training experience** to the DFW Metroplex area.

The course is designed for personnel involved in the operation and maintenance of ammonia refrigeration systems. Highlights of the course include::

- Understanding ammonia as a refrigerant
- Review of fundamentals
- System troubleshooting
- Single- and two-stage systems
- Proper pumpdown techniques
- Safety
- Reading and understanding drawings including P&IDs, PFDs, electrical and assembly drawings

To get the full benefits of this training, it is recommended that attendees complete a Level 1 Ammonia Refrigeration course or the equivalent experience / training.

**It's not too late ...  
REGISTER TODAY!**

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## October ...

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- In 1937, Columbus Day was proclaimed a Federal Holiday by President Franklin D. Roosevelt.
- Native Americans Day, aka Indigenous Peoples Day, is celebrated in some locales on the second Monday of October.
- This year, October 10<sup>th</sup> ushers in Yom Kippur – the day of atonement.
- For the bibliophiles out there ... October is designated as National Book Fair Month!
- We sing out in October with a yodel and a twang because it's Country Music Month.
- Each year National Fire Prevention Week falls during the week of October 9<sup>th</sup> in commemoration of the "Great Chicago Fire" of 1871.
- In the United Kingdom, October 21<sup>st</sup> is celebrated as Apple Day. Do you prefer your apple pie ala mode or with a slice of cheese?
- Did you know that October's flower is the Calendula? Okay, you got us.... the calendula is also known as the Marigold.
- The Saxons called October "Wintirfylith" because it has the first full month of the winter season.
- October marked the end of the Revolutionary War.
- On October 14-18 Industrial Consultants is holding a hands-on 40-hour Operator Level 2 Class in Lewisville, TX. See the attached page 3 for more information.



## Survival Training is Not Only For the Woods

By: David "Safety Man" Bennett

Before leaving for any survival trip, I take extensive measures to be certain I'm prepared. I make sure to study the terrain I will be navigating, and I prepare for the challenges and hazards that may arise. Additionally, I review the tools I have for survival and how to use them. Then, I practice with the tools I have, so I know how to use them in the event of an emergency. This practice shows me what my tools can and can't do under certain conditions.

Two summers ago, I set out on a hike covering over 50 miles of the Appalachian Trail. But, I failed to check the weather before I proceeded on my journey. A short time into my trip, a massive thunderstorm approached and quickly gained momentum. Strong winds churned, hail pelted me and trees began toppling over. I knew immediately I would have to shelter in place. I located a rock formation approximately 100 yards straight up a mountain side.

Once in my shelter, I used my knife and flint to start a fire. It was necessary to keep warm because my body and clothes were soaking wet from the storm. I was not prepared for the inclement weather, but I was prepared when it came to the equipment I had and my knowledge of how to use it in a hazardous situation.

The same is true for a HAZMAT situation. We cannot predict when a hazardous situation will arise. Therefore, it is crucial to know what personal protective equipment you have and how to use it when you need it.

Each year in the United States 1.1 million burn injuries require medical attention. Ten thousand of those burn victims lose their lives due to infection from their injuries. A simple splash suit and a face mask could have prevented most of these injuries. Knowing what equipment you have and how to properly don your equipment are critical in life or death situations like these.

Additionally, more than two thousand people a day injure their eyes on the job site. Ten to twenty percent of those daily injuries will cause temporary or permanent blindness. A study reporting the hazards of ammonia in your eyes states that after seven seconds, permanent blindness will occur. We at Industrial Consultants continually stress the importance of wearing personal protective equipment that is required for the job you are working and the chemicals you are exposed to on that job.

The goal for all of us is to get home safely to our families and friends each night. So many people are injured due to complacency on the job. They are not alert to the hazards that could occur and are not ready for them when they do. And some simply are not comfortable with the equipment that is issued them to use on the job. Knowing what equipment is available to you, understanding how to properly use that equipment, practicing with that equipment and asking for help if you are not sure on how to use it or even what to use could literally mean the difference between life and death when working with hazardous chemicals. Be prepared, practice and respond more effectively, and you'll be eating dinner with your family at the end of your shift!



Your Compliance Connection™

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# *Industrial Consultants*

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**Course:** **Level II Ammonia Refrigeration Operator Training**

**Duration:** 40 Hours

**Description:** This course is for personnel involved in the operation and maintenance of ammonia refrigeration systems. After completion of the course, you will have a better understanding of the workings of an ammonia refrigeration system including; single and two stage systems, fundamentals for both types, and proper pumpdown techniques. Additionally, you will understand how to read and understand P&ID's, PFD's electrical and assembly drawings. You will be awarded a certificate of completion after satisfactorily passing the examination given at the end of class.

This course will also serve as a three-year refresher for Process Safety Management training.

**Scope:**

- Understanding ammonia as a refrigerant
- Review of fundamentals
- **System troubleshooting**
- Single and two-stage systems
- **Pumpdown techniques**
- Safety
- Reading & understanding drawings

**Prerequisite:** Level I Ammonia Refrigeration – Level I, or other equivalent courses or training.

**Who should attend:** Experienced refrigeration operators and technicians, refrigeration and maintenance managers and/or supervisors and maintenance personnel.



**Industrial  
Consultants**

**Your Compliance Connection™**

# 2019-2020 TRAINING SCHEDULE

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**CLICK ON CLASS OF INTEREST TO ACCESS  
DETAILS AND REGISTRATION INFORMATION**

## SEPTEMBER 2019

### CLIVE, IA

Sept. 17 8 Hr ERT Refresher  
Sept. 18-20 24 Hr Emergency Response

### PLYMOUTH, MN

Sept. 24-26 24 Hr Emergency Response\*  
Sept. 26 8 Hr ERT Refresher\*  
Sept. 27 8 Hr Incident Command\*  
Sept. 27 8 Hr ERT Refresher\*

## OCTOBER 2019

### YUMA, AZ

Oct. 1 8 Hr ERT Refresher  
Oct. 2-4 24 Hr Emergency Response

### MECHANICSBURG, PA

Sept. 30-Oct. 2 24 Hr Emergency Response  
Oct. 3 8 Hr ERT Refresher  
Oct. 4 8 Hr ERT Refresher

### LEWISVILLE, TX

Oct. 14-18 40 Hr Level II  
Refrigeration Operator

### WARRENVILLE, IL

Oct. 22-24 24 Hr PSM/RMP Workshop  
Oct. 22-24 24 Hr Emergency Response  
Oct. 22-25 32 Hr Level I  
Refrigeration Operator  
Oct. 24 8 Hr ERT Refresher  
Oct. 25 8 Hr Incident Command  
Oct. 25 8 Hr ERT Refresher

## NOVEMBER 2019

### MIDDLE RIVER, MD

Nov. 5-7 24 Hr Emergency Response  
Nov. 6 8 Hr ERT Refresher  
Nov. 7 8 Hr ERT Refresher

### HILLIARD, OH

Nov. 11-13 24 Hr Emergency Response  
Nov. 14 8 Hr ERT Refresher  
Nov. 15 8 Hr ERT Refresher

## DECEMBER 2019

### SANTA MARIA, CA

Dec. 2-4 24 Hr Emergency Response\*  
Dec. 5 8 Hr ERT Refresher\*  
Dec. 6 8 Hr ERT Refresher\*

### BRIDGEVILLE, DE

Dec. 10 8 Hr ERT Refresher

## JANUARY 2020

### WARRENVILLE, IL

Jan. 21-23 24 Hr Emergency Response  
Jan. 23 8 Hr ERT Refresher  
Jan. 24 8 Hr Incident Command  
Jan. 24 8 Hr ERT Refresher

## FEBRUARY 2020

### FORT WAYNE, IN

Feb. 3-5 24 Hr Emergency Response  
Feb. 6 8 Hr ERT Refresher  
Feb. 7 8 Hr ERT Refresher

### PLYMOUTH, MN

Feb. 11-13 24 Hr Emergency Response\*  
February 13 8 Hr ERT Refresher\*  
February 14 8 Hr ERT Refresher\*

## MARCH 2020

### KULPSVILLE, PA

Mar. 24-26 24 Hr Emergency Response  
Mar. 25 8 Hr ERT Refresher  
Mar. 26 8 Hr ERT Refresher

## APRIL 2020

### BRIDGEVILLE, DE

Apr. 6-8 24 Hr Emergency Response  
Apr. 7 8 Hr ERT Refresher  
Apr. 8 8 Hr ERT Refresher  
Apr. 9 8 Hr Incident Command

### WARRENVILLE, IL

Apr. 21-24 32 Hr Level I  
Refrigeration Operator  
Apr. 21-23 24 Hr Emergency Response  
Apr. 23 8 Hr ERT Refresher  
Apr. 24 8 Hr Incident Command  
Apr. 24 8 Hr ERT Refresher

*\*Special Pricing Applies to these classes*

### **Cancellation Policy**

*Industrial Consultants reserves the right to cancel any course due to insufficient enrollment. Students enrolled in a cancelled course are entitled to a full refund or the payment may be transferred to another course. If you choose to withdraw from a course, you must do so no later than 15 days prior to the course start date. No refunds will be made if the student drops the course after this time. If you fail to cancel and do not attend the class, your payment will be forfeited, and may be subject to a cancellation fee. A person who is registered and is unable to attend, may at no additional cost, send a substitute.*

## About Us ...

Industrial Consultants, LLC is celebrating our third decade of service providing the training needs for companies like yours. Companies that must comply with health and safety regulations enacted by the Occupational Safety and Health Administration and the Environmental Protection Agency.

Industrial Consultants, LLC is focused on the food industry, due to the large number of refrigeration systems using anhydrous ammonia, for which safety and health regulations are very strict. These regulations are ever changing, with nearly every aspect of your business being impacted by OSHA and EPA. Expertise is needed at all levels to ensure compliance. We continue to provide this expert assistance and guidance to help meet all your compliance needs.

We are totally dedicated to assisting you in achieving your compliance goals, taking the mystery out of compliance, and helping you gain control of your safety and training needs.

**Let us be your compliance connection.**

### **Compliance Without Confusion:**

- Emergency Response Training
- Incident Commander Training
- Ammonia Refrigeration Training
- RETA CARO/CIRO/CRES Training
- Process Safety Management(PSM)
- Process Hazard Analysis(PHA)
- Compliance Audits
- EPA Risk Management Programs
- Safety Support Services
- Boiler Operator Training
- Plant Optimization Programs
- Mechanical Integrity Inspections

Each of these widely differing programs must meet specific OSHA and or EPA requirements for training your operating and safety personnel. This is the essence of compliance. However, continuing annual compliance is certainly not simple. Industrial Consultants, LLC can take the mystery out of compliance and help you gain control of your safety and training needs.

We have been training safety and operating personnel for more than 30 years. Thousands have benefitted from our current, comprehensive, complete and accurate training. You may rely on Industrial Consultants, LLC to keep your organization current on the ever changing OSHA and EPA training requirement for your facility.

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