



Fort Bend County Fire Marshal's Office Training Request Form

Date:	10/1/2024		
Requestor:	Tate Cappi	Division:	Hazmat
Class:	R0233 Chemical Hazard Analysis For Risk Based Response		

TCFP# 2144755342

PID#

FEMA# 0006549515

TEEX# 1780022

Class information (location, dates, organization, type of training):

Location : Emmitsburg, Maryland

Dates : 02/17/2025 - 02/28/2025

Organization : National Fire Academy

Type of Training : Hazardous Materials

Purpose, and how this training benefits the FMO:

Analyze hazardous materials/weapons of mass destruction (WMD) incidents using the risk-based response (RBR) process that utilizes facts, science and circumstances. Primarily focused on the product involved, this analysis will also incorporate information concerning the container, environment and cause. This course supports response personnel and allied professionals seeking specialized training in advanced chemical risk assessment and analysis. The student will be able to effectively communicate the hazards and associated harm identified in a timely and concise manner to make recommendations concerning control zones, personal protective equipment (PPE) and decontamination methods to develop a safer RBR.

Cost:(include tuition, hotel, airfare):

Personal Vehicle



Federally Funded Class Tuition, Lodging, and Airfare.

County Cost: Meal Ticket \$533.18 (On Campus Requirement), Perdiem \$105 (Travel Days),

Mileage: Round trip to airport, personal vehicle \$73.70, Airport Parking: \$105.

Total: \$816.88

County Vehicle

**Equipment needs:**

None

Prerequisites(attach all supporting documents with this form):

ICS 100

ICS 200

Q0259

Denied ☐Approved ☒Denied ☐Approved ☒Denied ☐Approved ☒

Battalion Chief Signature

Assistant Chief Signature

Fire Marshal Signature

[Signature] 10/14/2024
[Signature] 10/15/2025
[Signature] 10/15/2025

Remarks:



Curriculum: **Hazardous Materials**

Chemical Hazard Analysis for Risk-Based Response R0233

Training Specialist

✉ **Dave Donohue**
301-447-1094

Delivery type

10-day on-campus

ACE recommendation

There is not an American Council on Education credit recommendation for this course.

It is highly recommended that individuals have completed (Q0757) Energy Storage Systems, available through NFA Online, prior to attending this course.

This course is designed to prepare responders, planners and allied professionals with the knowledge and skills needed to analyze hazardous materials/weapons of mass destruction (WMD) incidents using the risk-based response (RBR) process that utilizes facts, science and circumstances. Primarily focused on the product involved, this analysis will also incorporate information concerning the container, environment and cause. This course supports response personnel and allied professionals seeking specialized training in advanced chemical risk assessment and analysis. The student will be able to effectively communicate the hazards and associated harm identified in a timely and concise manner to make recommendations concerning control zones, personal protective equipment (PPE) and decontamination methods to develop a safer RBR.

Through an interactive, student-centered approach, students will conduct a product hazard analysis and create communication strategies by:

- Conducting an initial product hazard analysis for multiple products using limited information.
- Using the periodic table to identify the general hazards associated with a material for developing an initial product hazard analysis.

- Conducting briefings based on their hazard analysis for hazardous materials/WMD incidents.
- Analyzing the characteristics of molecular size, polarity and shape and how these affect the physical and chemical properties of a material.
- Conducting a product hazard analysis to support an RBR process in a hazard situation.

Pre-course materials and course syllabus

Welcome Letter, BYOD Instructions, Pre-course Assignment:
https://apps.usfa.fema.gov/ax/pcm/pcm_r0233.pdf
PDF 188KB

Course Syllabus:
https://apps.usfa.fema.gov/ax/syll/syllabus_r0233.pdf
PDF 393KB

Selection criteria

Prerequisites

Upcoming offerings

Dates	Availability	Location	Contact(s)	CCP
December 9 - 20, 2024	Vacancies Apply	Emmitsburg, Maryland		
February 17 - 28, 2025	Apply by 10/22 Apply	Emmitsburg, Maryland		
March 17 - 28, 2025	Apply by 10/22 Apply	Emmitsburg, Maryland		
July 7 - 18, 2025	Apply between 3/15 - 4/15	Emmitsburg, Maryland		

Emergency Management Institute



FEMA

This Certificate of Achievement is to acknowledge that

TATE N. CAPPI

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the Independent Study course:

IS-100.C:

INTRODUCTION TO INCIDENT COMMAND SYSTEM, ICS-100

Jeffrey D. Stern, Ph.D.
Superintendent
Emergency Management Institute
Federal Emergency Management Agency

Issued this 19th Day of January, 2019



0.20 IACET CEU

Emergency Management Institute



FEMA

This Certificate of Achievement is to acknowledge that

TATE N. CAPPI

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the Independent Study course:

IS-200.B:

ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENT, ICS-

200

Issued this 19th Day of January, 2019



0.30 IACET CEU

Jeffrey D. Stern, Ph.D.
Superintendent
Emergency Management Institute
Federal Emergency Management Agency



FEMA

National Fire Academy

This is to acknowledge that

Tate Cappi

has demonstrated a commitment to reduce the Nation's loss of life and property from fire and related emergencies by pursuing professional development through completion of the National Fire Academy - Sponsored Course

Q0259: Chemical and Physical Properties Terms

Completed on

06/21/2024

Superintendent
National Fire Academy

Fire Administrator
U.S. Fire Administration