

The MIFDI BULLETIN

Massachusetts Institute
OF



**FIRE DEPARTMENT
INSTRUCTORS**

May
2025

MIFDI
PO BOX 507
MERRIMAC, MA 01860-0510

66th Year

(1959-2025)

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The Massachusetts Institute of Fire Department Instructors is a non-profit organization and was established on September 30, 1959. MIFDI's mission is "to promote fire department training and education by the mutual sharing of knowledge".

THE MIFDI OFFICERS - 2024

President: Captain Mark W. Roche, Newton Fire Department (Retired)
 Vice President: Deputy Chief Christopher Kelley, Concord Fire Department (Retired)
 Secretary: Vacant
 Treasurer: Firefighter / Instructor Michael McLeieer, Merrimac Fire Department (Retired)

THE MIFDI BOARD of DIRECTORS

Terms Expire 2026

Chief Thomas Conway, III, Billerica Fire Department (Retired)
 Assistant Chief Robert MacKendrick, Lynnfield Fire Department (Retired)
 Chief Richard Gomes, Norton Fire Department (Retired)

Terms Expire 2025

Firefighter / Instructor Michael McLeieer, Merrimac Fire Department (Retired) (Past President)
 Chief James M. Vuona, (Retired) Shrewsbury Fire Department

EDITOR

Firefighter / Instructor Scott D. Maker, Merrimac Fire Department (Retired)

VISIT US ON THE WEB!

www.mifdi.org

E-MAIL- mifditreasurer@escapeinc.org

Massachusetts Institute of Fire Department Instructors - Tax ID: 04-2307216
2025 Membership Application & Invoice
Jan. 1 to Dec. 31, 2025

**Your MIFDI Dues
are due Jan. 1st**



**or Join MIFDI for
the first time.**

Membership Information

Name _____
Address _____
City & State _____
Zip Code _____
Phone (Home) _____
E-mail Address _____
Fax (Home) _____

Work Information

Department _____
Rank _____
Phone (work) _____
Fax (work) _____
Address (work) _____
City & State (work) _____
Zip Code _____

<u>Membership Type:</u>	<u>Send Bulletin To:</u>	<u>Membership Dues:</u>
<u>circle one</u>	<u>circle one</u>	<u>Active</u> \$ 35.00
<u>Active</u>	<u>Home</u>	<u>Retired</u> \$ 15.00
<u>Retired</u>	<u>Work</u>	<u>Associate</u> \$100.00
<u>Associate</u>	<u>E-mail</u>	

There is also a \$10 late fee if dues are paid after April 1st
 Please mail completed Application with check or money order payable to:

MIFDI
 Attn: Michael McLeieer, Treasurer
 PO Box 507
 Merrimac, MA 01860-0510
 Phone: (978) 346-4731

Also email application to Michael McLeieer at
 E-mail: mifditreasurer@escapeinc.org



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REALTOR

MEETING NOTICE

The next meeting of MIFDI will be held on **Wednesday, May 28, 2025** hosted by the Burlington Fire Department courtesy of MIFDI member Chief Andrew Connerty. We will meet in the training room of their Station 2 located at 114 Terrace Hall Ave near Middlesex Turnpike. MIFDI last met at this location for our February 2024 meeting.

The training program will be a presentation on EMS for animals rescued from house fires and basic treatment that should be provided including administration of oxygen using masks designed specifically for animals. For those who own pets know that they are very much part of peoples family. It doesn't take a lot of smoke for a small animal to be overcome so we should make every attempt to save the family pet. Seeing a firefighter carrying an unconscious cat or dog out of a house fire can be very high profile media incidents as well so just leaving the animal on the front lawn will not reflect well on the fire service. We will also be briefed on "Nero's Law" which was adopted in Massachusetts to allow EMT's to provide treatment and transport of Police Canines.

SCHEDULE:

0930 Coffee, **1000** Presentation, **1130** Business Meeting, **1200** Lunch (off site)

DIRECTIONS:

From Rt.128/I-95 take Exit 50-B, continue toward Burlington onto the Middlesex Turnpike. Follow Middlesex Turnpike approx 1.5-miles to Terrace Hall Ave. on your right. The Station will be on the right. The parking and entrance is on the B-side of the station.



TREASURER'S REPORT

Beginning Balances for 01/02/2025
 Preferred C.U. Checking \$ 115.06
 Preferred C.U. Savings \$ 950.97
 CapitalOne Sav. Balance \$2,374.79
 Grand Total \$3,440.82

Bills April, 2025 - Checking:
 May Bulletin - Michael \$120.00 - 04/30
TOTAL: \$120.00

50/50 Raffle = \$0.00
 Winner = N/A
 Net Proceeds from 50/50 Raffle = None

Account Transfers:
 PCU Cking to Savings - \$120.00 - 05/17/2025

Total active members = 85
 Dues paid thru 2031 = 1
 Dues paid thru 2030 = 2
 Dues paid thru 2027 = 2
 Dues paid thru 2026 = 3
 Dues paid thru 2025 = 52
 Dues paid thru 2024 = 15
 Dues paid thru 2023 = 10

Mailings
 E-Mail - 58 Home - 17
 Work - 10
 Total: 85

Balances as of 05/17/2025
 Preferred C.U. Checking: \$ 274.01
 Less uncleared checks: \$ (0.00)
 PCU Cking. Balance: \$ 274.01
 PCU Savings Balance: \$ 1,346.24
 Capital One Sav. Balance: \$ 2,375.57
 Grand Total \$ 4,065.62

Membership Totals: 84
 45 Active - 36 Retired - 4 Associate

Please welcome this new member who recently joined MIFDI.

- Kevin F. Lawson - Firefighter - Cambridge

Treasurer Notes:

- Please remember to look at your mailing label for the PAID THROUGH date. Thank you to all of you who have paid your dues. Your 2025 dues were due in January, 2025. Please add \$10.00 for late renewals paid after April 1, 2025 for your 2025 dues. Invoices have already been sent to those members who have their department pay their dues. Please watch your mail!*
- You may now use the 2025 membership application as your invoice. It has MIFDI's tax ID number listed, for your accounts payable department to process the dues payment. Simply use the dues year or payment date as your invoice number.*
- New members, email your application to MifdiTreasurer@escapeinc.org (so we can promptly set you up to receive The Bulletin, due to mail and payment processing delays).*

Respectfully submitted 05/17/2025
 by Michael McLeieer, Treasurer - 978-346-4731
 Email: mifditreasurer@escapeinc.org
 Thank you for your continued support and for the prompt payment of your dues!

MIFDI will also accept credit card payments. Contact Michael McLeieer for details.
 Active Member dues is \$35 / Retired Member dues is \$15 / Associate Member dues is \$100

** If you are a Comcast internet subscriber, you may NOT be receiving the MIFDI monthly emails. Please contact me if you are not receiving your digital Bulletin and email notifications. Thanks!

Please remember to still add a \$10 late fee for renewal dues paid after April 1st, 2025. This fee does not apply to new members or for those who renew before April 1, 2025.

MIFDI is now on Facebook. Login to your Facebook account and search for **Massachusetts Institute of Fire Department Instructors or visit www.facebook.com/mifdi**. Become a Facebook friend to MIFDI and receive up to date announcements right to your tablet, phone or computer. You may also select the MIFDI Facebook link on the MIFDI website home page at www.mifdi.org



Like MIFDI on Twitter @MIFDIFIRE or @MIFDI



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RENEWAL of DUES or NEW MEMBERSHIPS may be addressed to:
 MIFDI - Attn: Michael McLeieer, Treasurer
 PO Box 507, Merrimac, MA 01860-0510
 Phone: (978) 346-4731

PLEASE NOTE NEW Email: mifditreasurer@escapeinc.org

***Dues are \$35.00 per year for Active members *(\$45 after April 1st)
 \$15.00 for Retired members *(\$25 after April 1st)
 *100.00 per year for Associate members**

(which includes a 1/4 page of advertising in the MIFDI Bulletin and on the MIFDI website). **Late fee does not apply to new members.**

*** Membership dues are for one calendar year (January 1 through December 31).
 Dues are due by January 1st. Add a \$10.00 Late Fee after April 1, 2025.
 New members, please email your completed membership application to
MifdiTreasurer@escapeinc.org so we can promptly set you up to receive The MIFDI
 Bulletin (due to delays in mail processing and delay in payments received from cities
 and towns). Also, include your completed membership application with your payment.**

RECALL OF MEETING #2025-04

The April meeting of MIFDI was held on Wednesday April 23, 2025 at the Dedham Holiday Inn Conference Center.

The training was a Coordinated Response Exercise provided by Paradigm on Pipeline Safety Training for First Responders. This informative presentation offered members an overview on the various types of pipeline distribution systems, signs of a pipeline product release, what steps to take if a leak occurs, who to notify, establishing safe perimeters and planning evacuations of area structures.

In your travels, members should be aware of the yellow DOT Pipeline Markers in your communities. Many pipelines will usually follow alongside of Interstate highways or rail lines. Walk up and take a look at the markers, they will display; The Material Transported, The Name of the Pipeline Operator, and The Operators Pipeline Contact Number.

2025 PIPELINE EMERGENCY QUICK REFERENCE GUIDE - MASSACHUSETTS

EMERGENCY CONTACT LIST



Algonquin Gas Transmission LLC (Enbridge)
 (CT, MA, RI)
 Website: www.enbridge.com
 Emergency Number: 1-800-231-7794



Buckeye Partners, LP
 (CT, MA, ME)
 Website: www.buckeye.com
 Emergency Number: 1-866-514-8380



Maritimes & Northeast Pipeline (Operated by Enbridge)
 (MA, ME, NH)
 Website: www.enbridge.com
 Emergency Number: 1-800-231-7794



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- Mercedes Textiles Hose
- BW Technologies
- Genesis Rescue System
- Koehler-Bright Star
- Paratech

Our New Location
 280 Milton St
 Dedham, MA 02026
 617-325-3993








EMS RUN

National EMS Week: May 18-24, 2025



National EMS Week was established in 1974 to recognize and honor those dedicated professionals of the EMS system within our communities including; municipal, private and volunteer.

This is a good week to present awards to our EMS brothers & sisters for those who went above and beyond with life-saving efforts during the past year.

It may also be a week to acknowledge civilians who acted with life-saving skills to save a life through CPR/AED use during a witnessed cardiac arrest or provided abdominal thrusts to a choking victim in a restaurant. A child could also be provided with a Certificate for dialing 9-1-1 during a medical emergency of a family member.



LAST ALARM

The Massachusetts Institute of Fire Department Instructors offers our condolences to the friends and family of the following:

Firefighter DAVID E. DePRIZITO (ACTIVE) of the Lynn Fire Department died on March 29, 2025 at age 53

Firefighter CHRISTOPHER R. MINOR (ACTIVE) of the Boston Fire Department died on April 3, 2025 at age 43



David DePrizito



Chris Minor

May They Rest In Peace

CONGRATULATIONS

The officers and members of the Massachusetts Institute of Fire Department Instructors offer our congratulations to MIFDI member Captain Anthony O'Brien upon his recent retirement from the Everett Fire Department after 39-years.

Captain O'Brien served as Training/Safety Officer in Everett for several years and most recently as EMS Officer for the department. He was very instrumental with overseeing the implementation of the new EMS Ambulance Service for the Everett Fire Department which went into service in 2023.

We wish Tony good health and happiness for the future as he is now serving as a Deacon at his local Parish in North Reading.



UPCOMING EVENTS 2025

May 18-24, 2025: National EMS Week 2025

May 19-23, 2025: New England Fire Investigation Seminar
St. Anselm College, Manchester NH www.newenglandfire.org

May 28, 2025: MIFDI – Burlington

June 8, 2025: Firefighters Memorial Sunday

June 14, 2025: MAFAA Parade – Muster – Flea Market
North Reading (NOTE CHANGE OF LOCATION)

June 16-18, 2025: NFPA 2025 Conference & Expo
Las Vegas, NV www.nfpa.org

June 25, 2025: MIFDI - Lexington - Annual FDIC Summary

Mass Antique Fire Apparatus Association

48TH ANTIQUE FIRE APPARATUS PARADE

Muster & Firematic Flea Market



JUNE 14, 2025
10:00 am - 2:00 pm

NEW LOCATION FOR 2025!

**All People Church - 99 Concord St.
North Reading, Ma.**

Traditional Parade Route : Line up on Jewell Drive, Wilmington. Parade will step off @ 10 AM. Left on Eames Street, Right on Main St (Rt.38) to Wilmington Center, right on Rt62, Rt on Federal Street, to Concord St. to Fordham Rd.

**Outside Vendor Spaces available: \$25 per 10x10 space
Privately owned apparatus Show Entry: \$20 per truck**

Numerous trophies awarded, refreshments on site

For more information visit: www.massmafaa.com

REPORT of the PRESIDENT:

Captain Mark W. Roche (Ret), Newton Fire Department

At our April meeting, we were guests of Paradigm as they hosted a Coordinated Response Exercise on Pipeline Safety Training for First Responders at the Dedham Holiday Inn Conference Center. This was great awareness training for our members when faced with incidents involving transmission line product emergencies.

We are now in the 5th month of 2025 and I am disappointed to see that we still have 10 members with dues paid through 2023 and 14 paid through 2024. Take the time to review your dues status which is printed on the bulletin next to the address or email the MIFDI Treasurer at mifditreasurer@escape.org The dues remain at; **ACTIVE \$35.00, RETIRED \$15.00, ASSOCIATE \$100.** Dues can be paid at the meetings or mailed to **MIFDI Treasurer PO Box 507, Merrimac, MA 01860.** Do not let your membership lapse or you may miss out on important meetings and monthly bulletin information.

Finally, on behalf of the members of MIFDI, I offer condolences to MIFDI Bulletin Editor Scott Maker on the recent loss of his sister, Shirley MacRae of Groveland MA on April 19, 2025.

Stay safe and we hope to see you in Burlington on May 28.

When there is no consequence for poor work ethic, and no reward for good work ethic, there is no motivation.

“To Promote Fire Department Training & Education by the Mutual Sharing of Knowledge”

INSTRUCTORS CORNER

2025 PIPELINE EMERGENCY QUICK REFERENCE GUIDE - MASSACHUSETTS

INCIDENT RESPONSE

- Always approach from upwind/park vehicle a safe distance away/if vehicle stalls – DO NOT attempt to restart
- Gather information/establish incident command/identify command structure
- Initiate communications with pipeline/gas company representative ASAP
- Control/deny entry: vehicle, boat, train, aircraft, foot traffic, media – refer all media questions to pipeline/gas representatives

RISK CONSIDERATIONS

- Type/volume/pressure/location/geography of product
- Environmental factors – wind, fog, temperature, humidity
- Sight, sound, smell – indicators vary depending on product
- Black, dark brown or clear liquids/dirt blowing into air/peculiar odors/dead insects around gas line/dead vegetation
- Rainbow sheen on the water/mud or water bubbling up/frozen area on ground/frozen area around gas meter
- Other utility emergencies

PIPELINE MARKERS

The U.S. Department of Transportation (DOT) requires the use of signs to indicate the location of underground pipelines. Markers like these are located on road, railroad, and navigable waterway crossings. Markers are also posted along the pipeline right-of-way. Markers may not be located directly over the pipeline it marks.

The markers display:

- The product transported
- The name of the pipeline operator
- The operator’s emergency number

PRODUCT HAZARDS AND CHARACTERISTICS

Petroleum (flow rate can be hundreds of thousands of gallons per hour) TYPE 1

- Flammable range may be found anywhere within the hot zone
- H2S can be a by-product of crude oil

Type 1 Products	Flash Point	Ignition Temperature
Gasoline	- 45 °F	600 °F
Jet Fuel	100 °F	410 °F
Kerosene	120 °F	425 °F
Diesel Fuel	155 °F	varies
Crude Oil	25 °F	varies

Natural Gas (flow rate can be hundreds of thousands of cubic feet per hour) TYPE 2

- Flammable range may be found anywhere within the hot zone between 4% and 15%
- Rises and dissipates relatively quickly
- H2S can be a by-product of natural gas – PPM = PARTS PER MILLION
 - 0.02 PPM Odor threshold
 - 10.0 PPM Eye irritation
 - 100 PPM Headache, dizziness, coughing, vomiting
 - 200-300 PPM Respiratory inflammation within 1 hour of exposure
 - 500-700 PPM Loss of consciousness/possible death in 30-60 min.
 - 700-900 PPM Rapid loss of consciousness; death possible
 - Over 1000 PPM Unconsciousness in seconds; death in minutes

- Incomplete combustion of natural gas may release carbon monoxide
- Storage facilities may be present around populated areas/ can be depleted production facilities or underground caverns
- Gas travel may be outside the containment vessel along the natural space between the pipe and soil
- Lower/Upper Explosive Limit depends on characteristics of gas (SDS)

Propane, Butane and Other Similar Products - TYPE 3 (*e.g. Carbon Dioxide / Anhydrous Ammonia)

- Flammable range may be found anywhere within the hot zone
- Products cool rapidly to sub-zero temperatures once outside the containment vessel
- Vapor clouds may be white or clear

Type 3 Products	Flash Point	Ignition Temperature
Propane	- 150 °F	920-1120 °F
Butane	- 60 °F	725-850 °F
Anhydrous Ammonia	- 51 °F	1204-1560 °F

- * Caustic - Can freeze/burn skin
- * Expands Rapidly
- * Liquid to a fog gas state!

