

The MIFDI BULLETIN

Massachusetts Institute
OF



**FIRE DEPARTMENT
INSTRUCTORS**

May
2023

MIFDI
PO BOX 507
MERRIMAC, MA 01860-0510

64th Year

(1959-2023)

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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 - 2023

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 2024

Chief Thomas Conway, III, Billerica Fire Department (Retired)
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Terms Expire 2023

Firefighter / Instructor Michael McLeieer, Merrimac Fire Department (Retired) (Past President)
 Chief James M. Vuona, 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
2023 Membership Application & Invoice
Jan. 1 to Dec. 31, 2023

**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
E-mail: mifditreasurer@escapeinc.org



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moving south?
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friends?



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text and let's
talk about
finding you a
place in North
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NC #336267
REALTOR

MEETING NOTICE

The next meeting of MIFDI will be held on **Wednesday, May 24, 2023** hosted by the Waltham Fire Department courtesy of Chief Andrew Mullin. We will meet in the Waltham 9-1-1 Center 2nd floor training classroom located at 171 Lexington St. between the Central Fire Station and the Police Dept. MIFDI last met at Waltham in November 2018.

Our training will be on a new "Emergency Plug" created to shut down power to electric vehicles. When plugging it into the power charging port, it causes the vehicle sense it is in the charging mode and shuts down the operation. This prevents the vehicle from accidental starting and moving during emergency situations.

DIRECTIONS:

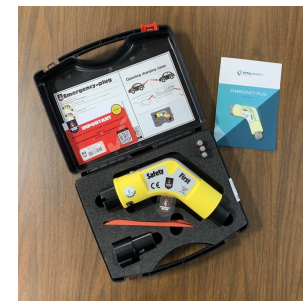
From Rt.128/I-95, take Exit 43A (Old Exit 27A) Totten Pond Rd. Follow Totten Pond Rd to the end and turn right on Lexington St. follow Lexington St a short distance and you will see the Municipal Center on the left. Enter the driveway to the left of the fire station, the 9-1-1 Center entrance is behind the firehouse on the "D-side" of the 9-1-1 Center.

SCHEDULE:

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

PARKING:

Members are asked to enter from the "D" side of the Central Fire Station and park along the fence down towards the training tower and in the training tower lot behind the fire station.



TREASURER'S REPORT

Beginning Balances for 01/03/2023
 Preferred C.U. Checking \$ 121.56
 Preferred C.U. Savings \$1,250.83
 CapitalOneSav. Balance \$2,371.06
 Total: \$3,743.45

Bills Paid April 2023:

May MIFDI Bulletin - Michael \$120.00 - 04/29
 100 128gb USB drives Return (\$145.99) - 04/07
 30 16gb flash drives FDIC classes \$ 73.92 - 04/08
 TOTAL: \$ 47.93

50/50 Raffle = None

Winner = N/A

Net Proceeds from 50/50 Raffle = N/A

Account Transfers:

PCU Cking to Savings - \$600.00 - 04/29/2023

Total active members = 99

Dues paid thru 2031 = 1
 Dues paid thru 2030 = 1
 Dues paid thru 2027 = 2
 Dues paid thru 2024 = 4
 Dues paid thru 2023 = 51
 Dues paid thru 2022 = 32
 Dues paid thru 2021 = 2
 Dues paid thru 2020 = 6

Mailings

E-Mail - 70 Home - 20
Work - 9
 Total: 99

Balances as of 05/06/2023

Preferred C.U. Checking: \$ 274.85
 Less uncleared checks: \$ (0.00)
 PCU Cking. Balance: \$ 274.85
 PCU Savings Balance: \$ 1,851.10
 Capital One Sav. Balance: \$ 2,371.84
 Total \$ 4,497.79

Membership Totals: 99

56 Active - 39 Retired - 4 Associate

There are no new members who recently joined MIFDI:

•

Treasurer Notes:

(a) 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 2023 were due in January, 2023.**

Please add \$10.00 for late renewals paid after April 1, 2023 for your 2023 dues

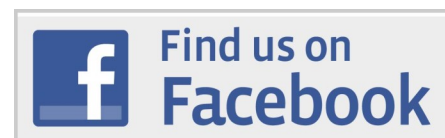
(b) You may now use the 2023 membership application as your invoice. It has MIFDI's tax ID number listed, for your accounts payable department to process the dues payment. Simply use the dues year or payment date as your invoice number.

Respectfully submitted**05/06/2023****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**

Please remember to still add a \$10 late fee for renewal dues paid after April 1st, 2023. This fee does not apply to new members or for those who renewed before April 1, 2023.

**** 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. Michael**

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).

*** 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, 2023.**

RECALL OF MEETING #2023-4

The April meeting of MIFDI was held on Wednesday April 26, 2023. Our format for this meeting was a little different as MIFDI members participated in a presentation on **PIPELINE SAFETY TRAINING FOR FIRST RESPONDERS**. The program was provided by Paradigm Liaison Services held in a conference room at the Dedham Holiday Inn.

The training on pipeline emergency's was comprised of groups from fire, police, LEPC agencies, and contractors. This informative program included; videos, discussions and a computer exercise on handling an incident involving high-pressure pipeline incidents.

(See this month's Instructors Corner on Pg. 8)

Coordinated Response Exercise

PIPELINE SAFETY TRAINING FOR FIRST RESPONDERS





Northeast Rescue Systems, a name you can trust for top-line products, personal service and customer support. We carry high quality, trusted names in equipment and gear. You can find product lines such as:

- ☐ Morning Pride
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- ☐ Mustang Survival
- ☐ Stearns
- ☐ Mercedes Textiles Hose
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- ☐ Genesis Rescue System
- ☐ Koehler-Bright Star
- ☐ Paratech

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PARATECH

EMS Run

"Laura's Law"

In 2016, Laura Levis was experiencing a severe asthma attack and went to the Main Entrance of Somerville Hospital only to find the doors locked after hours. Unable to locate the Emergency Department, the 34 year old woman collapsed and died outside the hospital doors, only feet away from treatment.

As a result of this tragic incident, Massachusetts has enacted "Laura's Law" which requires hospitals in the Commonwealth to improve; lighting, signage, installing intercoms at all doors and assigning an address to the ED to show that they appear on GPS maps.

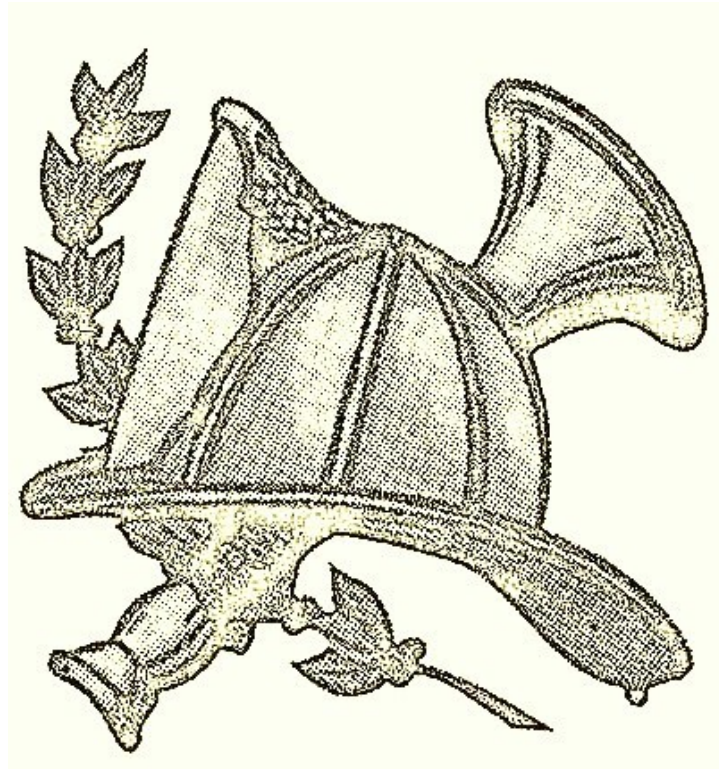
Often times, we hear an ambulance dispatched to a hospital address for EMS and we wonder why the person just does not go inside? The truth is many hospital campuses have grown dramatically over the years with new additions, parking garages, satellite parking areas, etc. Also, since the events of 9/11 and the increase of mass shootings, hospital security efforts have significantly improved and rightfully so. Doors to unmanned lobby areas are now locked and secured.

Most EMS professionals know the locations of all of the Emergency Department entrances in their region, the average public may not know, especially if they are from out of state. Hopefully the new Law will help prevent this tragic event that Laura endured from happening to others in need of emergency medical help.



LAST ALARM

(Thankfully, nothing to report this month)



CONGRATULATIONS

Firesetting Intervention Resource Exchange

- Fire, Police & Public Safety Personnel
 - Juvenile Justice & Court Personnel
 - Mental Health Professionals

www.fire-exchange.org

Call Scott Maker,
Firefighter/Merrimac Fire Department, with any questions you may have.

269-492-3341

UPCOMING EVENTS

May 21-27, 2023: NATIONAL EMS WEEK
"Where Emergency Care Begins"

May, 24, 2023: **MIFDI** – Waltham

June 8-11, 2023: 2023 HAZ-MAT Response Team Conference
Baltimore, MD www.iafc.org

June 11, 2023: Firefighters Memorial Sunday

June 19-23, 2023: NFPA 2023 Convention & Expo
Las Vegas, NV www.nfps.org

June 28, 2023: **MIFDI** - FDIC Overview



 **EMS WEEK**
Where Emergency Care Begins
May 21-27, 2023



REPORT of the PRESIDENT:

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

Our April meeting was a little different as we joined with other groups participating in a Coordinated Response Exercise on Pipeline Safety Training for First Responders. I apologize to those who had trouble logging into the link due to a glitch; hopefully we were able to resolve the problem in time for everyone to attend.

Stay safe and I hope to see you in Waltham on May 24.



Waltham Fire Drill Tower

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

INSTRUCTORS CORNER

2023 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!

