

Glen Lake Fire Department



2022 ANNUAL REPORT

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A Message from The Chief

The Glen Lake Fire Department is pleased to present the 2022 Annual Report. We trust the information contained within this report will provide a better insight into the day-to-day operations and activities of the organization. This past year has been another year of growth and important milestones.

As the Fire Chief for the Glen Lake Fire Department, through an agreement with Glen Arbor and Empire Townships, I am honored to lead an organization that continues to grow and develop. The Fire Department has an important place in the community, and it is our duty to meet that expectation each time we are called upon. We continue to explore grant opportunities, find new ways to do business and strengthen our partnerships in the fire service community.

In 2022, the Fire Department responded to 614 emergencies. This represents a modest increase from 2021 and is the highest number of calls for service in the past seven years.

The year 2022 provided for many hurdles and accomplishments for the department. There have been many changes in our operations from what is hopefully the exit of the COVID-19 pandemic. Throughout those challenges, I would like to recognize Firefighters Nate Feldpausch and Chase Showers for completing the Paramedic course and becoming state certified Paramedics for the department.

Perhaps our largest accomplishment of the year was the August 2022 announcement that the FEMA Assistance of Firefighters Grant (AFG) program selected our application for a \$95,000 award to acquire a diesel exhaust ventilation system to be installed at Station #1 in Glen Arbor. This new system will help to protect our members by preventing the cancer-causing diesel particulate carcinogens from becoming airborne inside the station.

I am very proud of the dedicated and professional staff within the department. They have a tremendous sense of responsibility and loyalty to the community we serve. Please feel free to contact myself or any member of the Fire Department staff at any time. We look forward to hearing from the community we serve.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Bryan Ferguson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Bryan Ferguson
Fire Chief

Department Information

The Glen Lake Fire Department is a full-time, Advanced Life Support department located in Glen Arbor and Empire Townships. The department covers roughly 70 square miles of land and approximately 30 miles of Lake Michigan shoreline. Our combination staffing consists of full-time, part-time, and auxiliary cross trained firefighters/medical personnel. We staff two stations- Station #1 in Glen Arbor and Station #2 in Empire, 24/7/365. Station #1 is staffed, at a minimum, with two EMT's and one Paramedic. Station #2 is staffed with one EMT and one Paramedic. Minimum staffing is 5 personnel per day. There are 5 officers on the department- the Fire Chief, three shift Lieutenants, and one Health and Safety Officer.

80% of our coverage area is embedded within Sleeping Bear Dunes National Lakeshore. We provide coverage to North and South Manitou Islands as well as several other inland lakes. Mutual aid is provided and received with neighboring departments within Leelanau and Benzie Counties. We respond to approximately 600 calls for service a year. Typical calls for service include medical emergencies, car accidents, sand dune rescues, water rescues, structure fires, and alarm related incidents.



Station Information

Station #1- Glen Arbor

Station #1 is located at 6401 W. State Street in Glen Arbor. The station was built in 2003. The station houses: one ALS Ambulance, one Ladder Truck, one Engine, one Tanker, one Brush Truck, one Light Rescue Truck, one Rescue/Fire Boat, two ATV's, one Utility Truck, one Echo Vehicle, and one Chief's Truck. This station services the northern area of the Glen Arbor-Empire area. In addition to residences, it serves many well-known structures such as The Homestead Resort, Le Bear Resort, Cherry Republic, Art's Tavern, Boondock's, and the Sleeping Bear Dune Climb. This station is staffed with one Firefighter/Paramedic, two Firefighter/EMT's, and the Fire Chief.



Station #2- Empire

Station #2 is located 11530 S. Lacore Road in Empire and was built in 1982. The station houses: one ALS Ambulance, one Engine, and one Tanker. This station covers the southern Glen Arbor-Empire area. In addition to the residences and businesses, it serves many well-known structures such as Cherry Republic warehouse, National Park Service Headquarters, Pierce Stocking Scenic Drive, and several popular hiking trails. Station #2 is staffed by one Firefighter/Paramedic and one Firefighter/EMT.



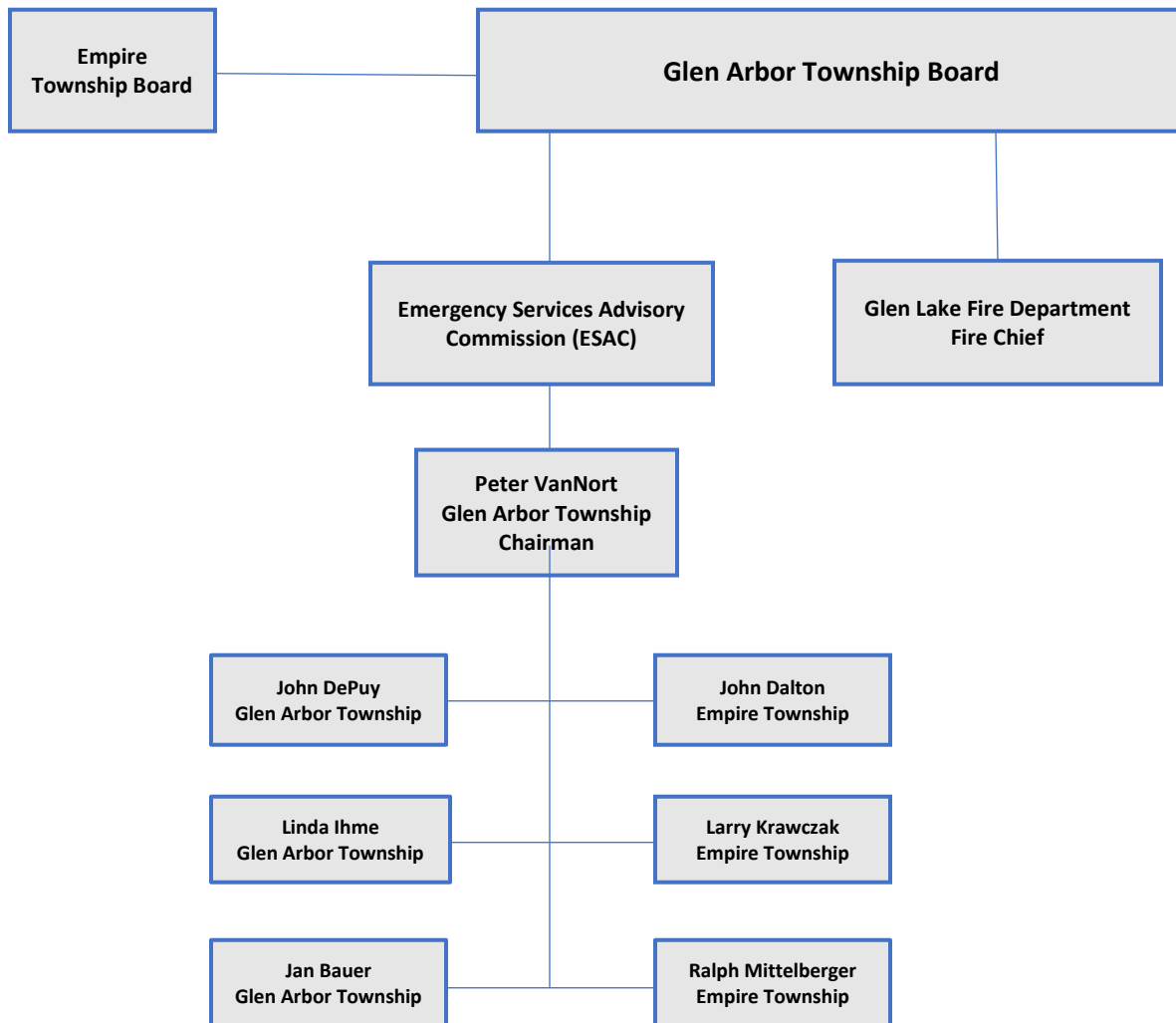
Special Area Considerations

The National Lakeshore does not provide EMS services to its customers, but relies on Glen Lake Fire Department for its emergency medical responses. The department responds to all medical and fire emergencies inside the park as well as assisting in Search and Rescue operations. The department covers over 30 miles of Lake Michigan shoreline as well South Manitou Island for any type of emergency. The department has an agreement with Leland Township Fire Department to cover North Manitou Island.

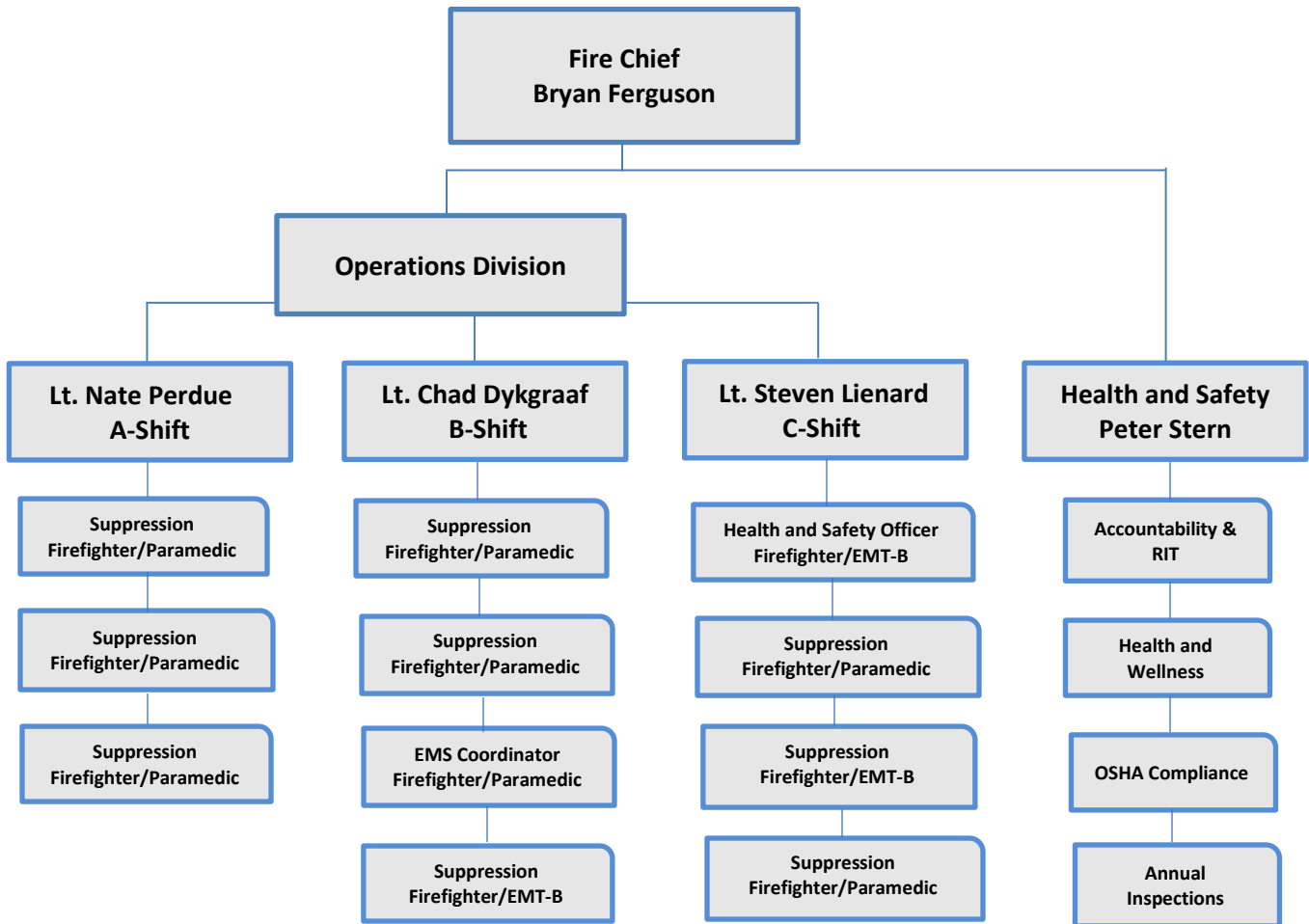
Department Oversight

The Glen Arbor Township Board utilizes an advisory board, the Emergency Services Advisory Commission (ESAC), to keep it apprised on issues related to Fire and EMS operations in the two-township coverage area. The Commission reviews finances and hears operational reports. ESAC will provide recommendations to the Township Board for Board action.

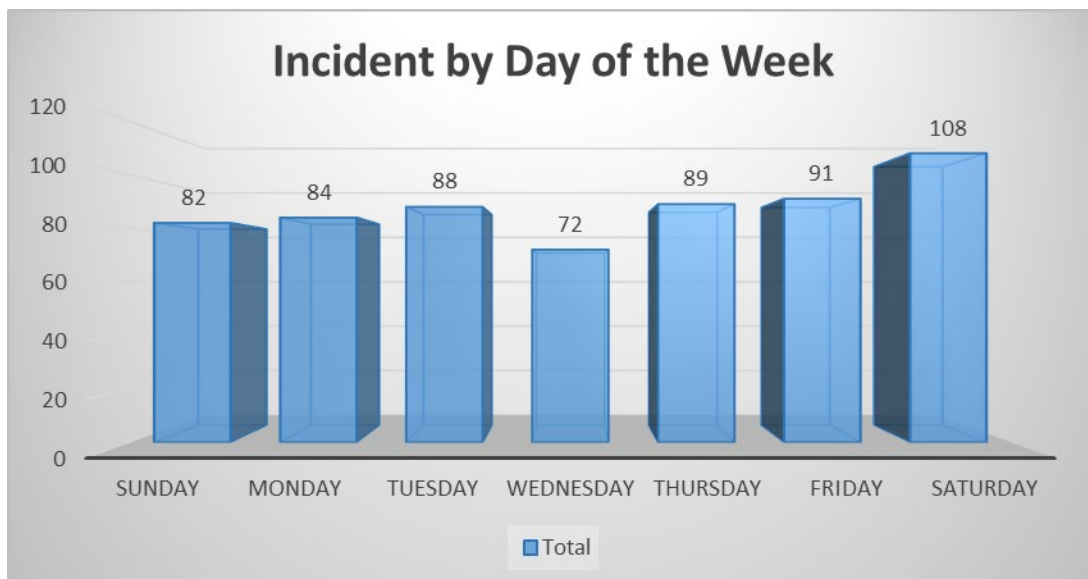
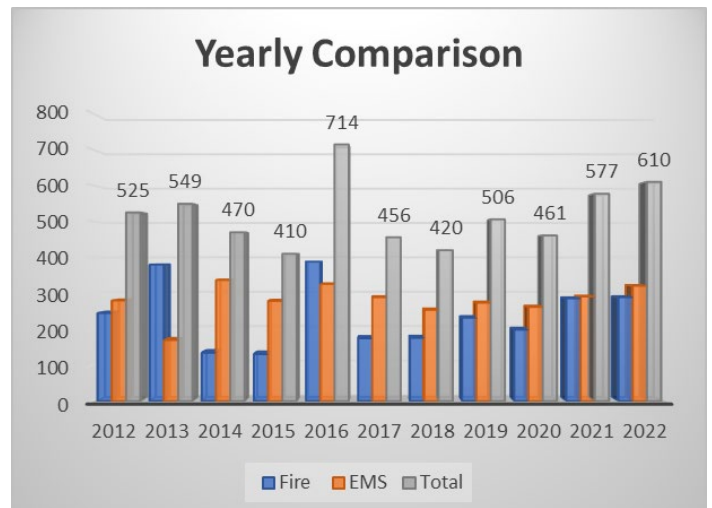
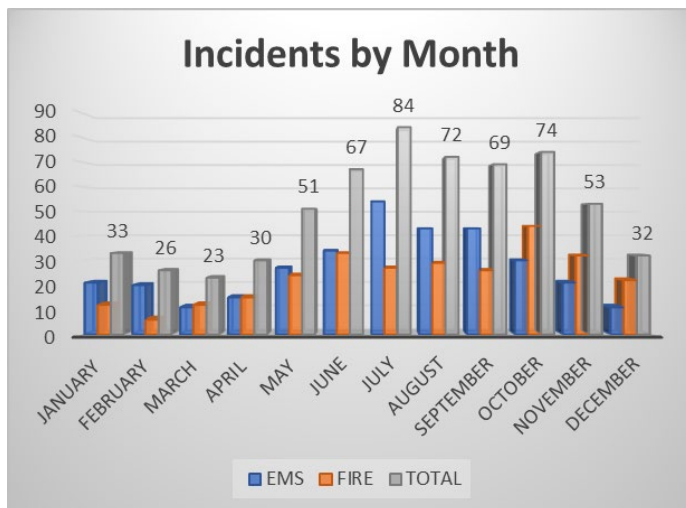
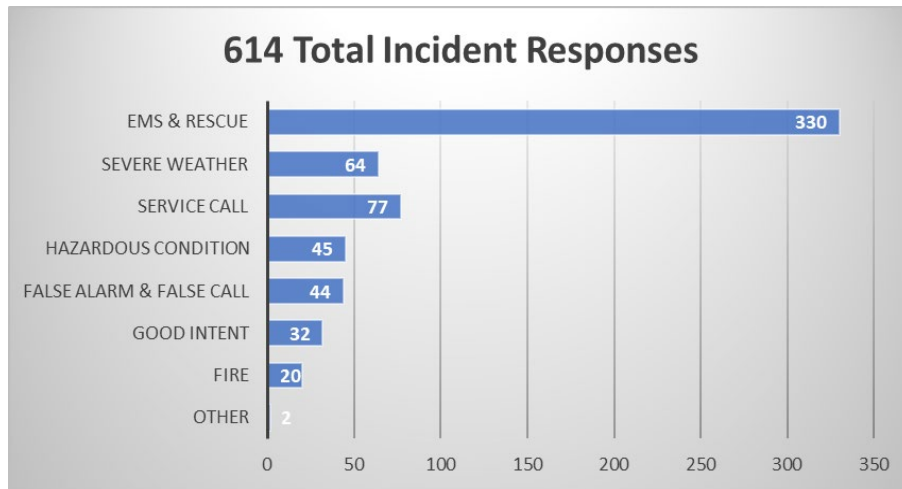
The Commission is represented by members from both Glen Arbor and Empire Townships. The organizational chart below provides the layout of the Commission:



Department Organizational Chart



Department Responses



Department Responses

2022 - Incidents by District

District	Description	Number of Incidents	Percentage of Incidents	Totals per area
201	Village of Empire	134	21.82%	Empire Twp
202	NW Empire Twp	34	5.54%	305 Incidents
203	NE Empire Twp	47	7.65%	49.67%
204	SE Empire Twp	25	4.07%	
205	SW Empire Twp	17	2.77%	
420	National Park in Empire Twp	48	7.82%	
301	Downtown GA, N & E shore of Big Glen Lake	173	28.18%	Glen Arbor Twp
302	Homestead Resort	45	7.33%	264 Incidents
303	W Shore of Little Glen Lake, Glen Arbor Twp	19	3.09%	43.00%
430	National Park in Glen Arbor Twp.	26	4.23%	
400	Lake MI bordering both Townships	2	0.33%	
	Other Area	43	7.00%	

2022 - Mutual Aid

Mutual Aid Given		44
Mutual Aid Received		31
ALS Intercepts		5

2022 - Vehicle Responses

211	Engine	2003 Pierce Contender	133
241	Brush Truck	2006 Anchor Richey	21
282	ATV	2004 Polaris Ranger 6x6	7
292	ALS Ambulance	2016 Osage F-450	204
300	Command Vehicle	2019 F-150	29
311	Engine	2006 Pierce Dash	88
321	Tanker	2005 Kenworth/Pierce	11
322	Tanker	2006 Kenworth/Pierce	34
331	Ladder	2006 Pierce Dash	37
352	Rescue	2015 F-550	310
371	Fire/Rescue Boat	2011 Viking Marine	10
381	Utility/Snowplow	2014 F-350	9
384	ATV	2006 Polaris Ranger 4x4	7
391	ALS Ambulance	2020 Osage F-550	272
393	ALS Echo	2011 Ford Expedition	52
			Total – 1,224

2022 - Response Times

Average Response Time	07:43
Low	00:03
High	23:40

Department Personnel

<u>Name</u>	<u>Title</u>	<u>Serving Since</u>
Bryan Ferguson	Fire Chief	March 2007
Doug Lake	Firefighter/EMT-B	August 2007
Peter Stern	Safety Officer/EMT-B	January 2008
Jay Morse	Firefighter/Paramedic	June 2008
Aaron Brown	Firefighter/Paramedic	December 2008
Chad Dykgraaf	Lieutenant/EMT-B	January 2010
Steve Lienard	Lieutenant/Paramedic	February 2011
Pablo Cevallos	Firefighter/Paramedic	August 2011
Nate Perdue	Lieutenant/EMT-B	May 2015
Chase Showers	Firefighter/EMT-B	March 2017
Nathaniel Feldpausch	Firefighter/EMT-B	December 2018
Morgan Chalup	Firefighter/EMT-B	March 2019
Shane Dunklow	Firefighter/EMT-B	May 2019
Mike Ball	Firefighter/Paramedic	September 2019
Anthony Forton	Paramedic	November 2019
Jeff Hester	Firefighter/Paramedic	December 2019
Jared Ornelas	Firefighter/Paramedic	May 2021
Angela Hale	Paramedic	May 2021
Jake Ruth	Firefighter/Paramedic	September 2021
Becca Chavalia	EMT-B	November 2022
	Auxiliary Staff	
Tim Nichols	Support	March 1984
Jim Wendels	Support	March 2004
John Friend	Support	July 2007
Brian Clark	Support	May 2019
Scott Sheehan	Marine Division Coordinator	September 2019

A-Shift

Lt. Nate Perdue
Pablo Cevallos
Mike Ball
Jeff Hester

B-Shift

Lt. Chad Dykgraaf
Aaron Brown
Chase Showers
Jared Ornelas
Morgan Chalup

C-Shift

Lt. Steve Lienard
Peter Stern
Nathaniel Feldpausch
Shane Dunklow
Jake Ruth

Department Training and Education

By Lt. Chad Dykgraaf

The Training Division is responsible for conducting and scheduling the majority of the Department training. In-service training is accomplished in a number of ways, including: outside instructors, on-duty shift training, monthly staff training, in-house and on the water training. Personnel are also sent to classes and conferences outside of the Department for Specialized training. All Department training is done in compliance with standards established by the Michigan Firefighting Training Council (MFFTC) and the National Fire Protection Association (NFPA).

Highlighted course delivery from 2022

- Vehicle Extrication
- Annual Hazmat refresher
- Active Shooter drill @ NPS Maintenance building
- Northwest Regional Training Center practical day

Overall, staff completed 3,666.28 hours of training in 2022. One individual, Firefighter Jared Ornelas, is recognized for his accomplishment of achieving the most training hours with 299.9.

Additionally, two members of the department successfully completed the Paramedic program in 2021. Chase Showers and Nathaniel Feldpausch began Paramedic School in 2020 and finished their schooling in later 2021. Both have passed their National Registry and are now licensed Paramedics.



Public Education - CPR/AED/First Aid

By Morgan Chalup

The Glen Lake Fire Department continues to excel in Public Education and were able to again offer American Heart Association Courses both in-person and using a hybrid format. During 2022, we were able to reach approximately 61 people in our area with this valuable education. These courses teach lifesaving CPR, use of an automated external defibrillator, and First Aid techniques which were offered by any of our 5 certified instructors.

CPR/AED/First Aid courses were attended by our entire staff, as well as staff and students from the following organizations and businesses: Glen Lake Community Schools, Glen Arbor Arts Association, The Homestead Resort, The Leelanau School and the Northwest Regional Firefighter Training Center.

We were able to host both of our annual Station Open Houses this year with excellent attendance at each event. We also hosted two blood drives in partnership with Versiti Blood Center of Michigan and they were able to collect approximately 20 pints for our community! Another new event this year that we hope to continue is Coffee with a Firefighter. We had two of these events, one at The Friendly in Empire, and one at Arts in Glen Arbor. As always, the Glen Lake Fire Department is continually looking to empower and educate the citizens that we serve and protect.

Please let us share these valuable lessons with you or your group today! Please contact Glen Lake Fire Department - Station 1, to schedule your course today.



Apparatus Maintenance

By Lt. Steven Lienard

As our fleet continues to age, we've continued to keep up the expected maintenance and required inspections. Fortunately, we did not have any significant repairs in 2022. Below are some of the apparatus highlights from the last 12-months:

- Yearly D.O.T. inspections and oil changes across the entire fleet.
- Battery chargers replaced in Tankers 321 and 322.
- Electrical primers replaced with air primers on Engine 211 and Ladder 331
- Ambulance 292 had tie rods and some extensive brake service completed.
- Engine 311 exhaust leak repaired.
- Replacement for Engine 211 bid process completed, resulting with new Spartan Engine on order.
 - Expected delivery of our new Engine is October 2023.

Building and Maintenance

By Safety Officer Peter Stern

Each passing year brings ongoing maintenance and upkeep with both of our stations. Station #1 continues to age since being built in 2003. A new water softener system was installed in the summer to improve the quality of the drinking water. Routine and monthly maintenance continued during the year and exterior landscaping was maintained.

Station #2 is aging quickly and within the next 5 years will need to be a topic of discussion for replacement. The station was built in 1982 and is currently not the long-term solution in regards to a full-time fire department.

Marine Division & Special Events

By Lt. Chad Dykgraaf

The Department's Fire/Rescue Boat covers all our inland lakes, Lake Michigan as well as North and South Manitou Islands. Again, this year we have contracted with Leland Fire Department to cover their areas of Lake Michigan and adjacent shorelines. Fire/Rescue Boat 371 logged 10 calls for service in 2022. This is up from 2 incidents we responded to in 2021.



Health and Safety

By Lt. Nate Perdue

2022 continued to be a successful year in regards to department Health and Safety. Each member continues to excel in maintaining their personal health in a job which faces us with so many health dangers. In 2022, cancer prevention was at the forefront of our health and safety goals. New cancer statistics state that firefighters have a 9 percent higher risk of being diagnosed with cancer than the general public and a 14 percent higher risk of dying of cancer than the general public. Of the 469 firefighters who were added to the IAFF Fallen Firefighters Memorial in 2022, almost 75 percent (348 out of 469) were members who died from occupational cancer.

Diesel exhaust fumes are one hazard that has been proven to be a cancer-causing toxin that not many departments can fight against. In late 2021, we wrote a FEMA grant for a new Diesel Exhaust System for Station #1 that would provide the station with a 100% exhaust eliminating system. The total cost of the project would be just over \$105,000. We are happy to say we were awarded this grant in August 2022 and installation of the system will begin in February 2023. This will significantly improve the apparatus bay air quality and provide the employees with reassurance that we're taking as many protective measures as we can.

Our physical fitness standards remain high with the continued partnership with Dr. Mark McBride of Dr. Bear Total Body Healthcare. Twice a week, Dr. McBride leads the on-duty shift in a rigorous hour-long workout aimed at improving the overall fitness levels that a firefighter would mimic on an incident. Our annual numbers continue to improve and our work periods on incidents are longer.

Home Safety Surveys

Glen Lake Fire Department offers a free Home Safety Survey for any resident of Glen Arbor and Empire Townships. This is a free, no-penalty assessment of the interior and exterior of your home. The firefighters will conduct a thorough walk through of your home, checking for safety recommendations as well as working smoke detectors and/or carbon monoxide alarms. There is no penalty if correctable items are found. Have a smoke detector but it isn't working? No problem! The department has an inventory of smoke detectors and we will install or replace them at no charge.



Call 9-1-1 For Emergencies

Remember, if you believe you or someone around you is having a medical or fire emergency, please call **9-1-1** instead of the fire department directly. We understand you may think your call does not warrant a call to **9-1-1** but if you're calling the station because you'd like someone or something checked out, you should have called **9-1-1**. Although our stations are staffed 24/7/365, we perform several out-of-station exercises and inspections weekly. If you call the station to report an emergency, **there is a chance your phone call may not be picked up.** Calling **9-1-1** is not only the fastest way to reach us, it allows Dispatch to send the appropriate resources to your incident and it assures the duty staff will receive notice of your assistance even when they are away from the station. Remember, **if something feels like an emergency, treat it like an emergency and call 9-1-1!**



Frequently Asked Questions

- **How do I get a copy of a medical or fire report?**
 - Call the Department at (231) 334-3279 to obtain instructions on how to acquire your report. The Glen Arbor Township website also has the appropriate forms for requesting a report.
- **Who do I call to learn CPR?**
 - Call the Department at (231) 334-3279 to speak to the duty crew.
- **What should I do with hot fireplace ashes?**
 - Do NOT remove hot ashes from the fireplace until they've cooled down; 2-3 days. Make sure there are NO hot embers within the ashes prior to removal. Once cooled, place ashes in a metal container with a lid and store them away from the home and all combustible materials.
- **Where should I place smoke alarms in my home?**
 - Homeowners should install smoke alarms on every level of their home and outside of all bedrooms or sleeping areas. They should also be placed inside every bedroom where people sleep. If you have any questions, call the Department and request a free Home Safety Survey.
- **I want to burn brush in my yard. How do I obtain a burn permit?**
 - The Department does not issue burn permits. The county follows the Michigan DNR Burn Restrictions List. Visit <https://www2.dnr.state.mi.us/burnpermits/> and click on 'Leelanau' to see if your township is allowing burning for the day. If you choose to burn, you MUST be tending to your fire at all time. If you need to leave, put the fire out.
- **I see a neighbor is burning brush, but I do not see anyone attending it. Who should I call?**
 - Call 9-1-1. This ensures the Department will respond with the appropriate resources to handle the situation.
- **I have a Fire Extinguisher that is old and outdated. Does the Fire Department collect or recycle them?**
 - No. The Department does not collect expired extinguishers. Call the Department and ask for assistance on how to properly recycle old fire extinguishers.
- **I locked my keys in my car. Can the Department come and force entry into my car?**
 - No. The Department does not assist with gaining access into a vehicle for locked keys in a car. Calling a locksmith is the best option.
- **How often should I get my chimney inspected?**
 - According to NFPA 211, "Chimneys, fireplaces, and vents shall be inspected at least once a year for soundness, freedom from deposits, and correct clearances. Cleaning, maintenance, and repairs shall be done if necessary." Call the Department if you have any further questions.
- **Do you give station tours?**
 - Yes! We're always happy to provide a station tour. Stop by at any time and if we're available, we will give you a tour of the station and the fire trucks.

Contact Us

For any emergencies, do not call the station directly. Call **9-1-1!**

Non-Emergency Services/Fire Department Main: (231) 334-3279

- CPR and First Aid Training
- Incident Reports
- Paramedic Service Questions
- Fire Code and Fire Protection Systems Questions
- Home Safety Surveys
- Fire Station Tours
- Brush Burning

Visit our website and click 'Emergency Services' for more useful information:

www.glenarbortownship.com

2023 Calendar of Events

- Pancake Breakfast at the Glen Arbor Town Hall
 - Sunday, July 2nd.
- Station #1 Open House
 - Saturday, July 29th
- September 11th Memorial Service at Station #1
 - Monday, September 11th
- Station #2 Open House
 - October (in conjunction with Empire Heritage Days)