

MIDDLE TENNESSEE STATE UNIVERSITY

FIRE SAFETY REPORT

2021

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LIFE SAFETY and EMERGENCY MANAGEMENT

GRACE LANGELAND
MTSU POLICE DEPARTMENT



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The Campus Fire Log may be reviewed in the Life Safety and Emergency Management Office at the Haynes-Turner Building, 1672 Greenland Drive, and may be accessed online at: <https://w12.mtsu.edu/ehs/life-safety/fire-safety.php>

The annual Campus Security Report and associated statistical information may be accessed through the MTSU Police Department online at:

<https://mtsu.edu/police/docs/2021AnnualSecurityReport.pdf>

INTRODUCTION

This document covers the fire safety responsibilities of students, faculty, administration, and staff at MTSU and sets forth the fire safety rules and procedures. These rules and procedures are set out in state law and are administered on campus by MTSU Environmental Health & Safety Services-Life Safety and Emergency Management.

RESPONSIBILITIES AND DUTIES OF MTSU ENVIRONMENTAL HEALTH & SAFETY SERVICES-LIFE SAFETY AND EMERGENCY MANAGEMENT

The fire safety responsibilities and duties of MTSU Environmental Health & Safety Services-Life Safety and Emergency Management are established in University Policy:

- Inspect permanent and temporary buildings, processes, equipment, systems, and other fire and related life safety situations with the authority to enter any MTSU building or premises at all reasonable times to inspect or to perform related duties.
- Investigate fires, explosions, hazardous materials incidents, and other related emergency incidents to determine the cause, origin, and circumstances of the fire, explosion, release of hazardous materials, or other hazardous condition.
- Review construction plans, drawings, and specifications for life safety systems, fire protection systems, access, water supplies, processes, hazardous materials, and other fire and life safety issues including the arrangement, design, construction, and alteration of new and existing means of egress.
- Conduct fire and life safety education for the Campus community.
- Review existing campus occupancies and conditions, the design and construction of new buildings, remodeling of existing buildings, and additions to existing buildings to determine the acceptability of technologies, processes, products, facilities, materials and uses attending the design, operation or use of a building or premises under applicable codes.
- Specify interior finish, decorations, furnishings, and other combustibles that contribute to fire spread, fire load, and smoke production.
- Regulate the storage, use, processing, handling, and on-site transportation of flammable and combustible gases, liquids, and solids.
- Regulate the storage, use, processing, handling, and on-site transportation of hazardous materials.
- Manage and control emergency operations and scenes that do not involve violence or criminal activity and shall have the authority to limit access to emergencies or other similar situations.
- Manage and control conditions affecting fire fighter safety.
- Render interpretations of applicable codes, and to adopt procedures necessary to clarify the application of code provisions:
MTSU Environmental Health & Safety Services-Life Safety and Emergency Management is responsible for assisting departments in achieving university wide compliance with fire protection and life safety requirements. All of these fire protection and response functions are performed in conformance with OSHA standards, state laws, Middle Tennessee State University policies, and nationally recognized standards and guidelines for fire protection and life safety.

All fires shall be reported to the Campus Fire Marshal, John W. "Jake" Turner, at 615-898-2879 or Jake.Turner@mtsu.edu no later than the next business day for inclusion in the annual fire statistics and/or fire logs.

GENERAL

Planning for fire safety at Middle Tennessee State University takes into account the safety of employees, students, and guests, the special fire hazards for specific operating areas, and the protection of high-value property.

No flammable or combustible decorations, including draperies, may be used in corridors, lobbies, or places of public assembly in any residence hall. All decorations must be demonstrated to be fire resistant through testing or labeling from recognized testing organizations such as Underwriters Laboratories or the Consumer Product Safety Commission.

All members of the campus community must conduct themselves and their activities in such a way as to minimize the possibility of fire. This means applying rules such as keeping combustibles separated from ignition sources and avoiding needless accumulations of combustible materials. The MTSU Environmental Health & Safety Services is available to provide guidance with respect to fire and life safety but everyone, who best knows the day-to-day nature of his/her activities, is responsible for notifying the appropriate manager or MTSU Environmental Health & Safety Services of operations that change the degree of fire risk and will therefore require a change in the planned fire protection provisions. Facilities Services provides and maintains fire detection systems, fire alarm systems, automatic and manual fire suppression systems, and portable fire extinguishers.

Smoking is prohibited on the MTSU campus. See MTSU Policy 750 Tobacco Free Campus Policy.

CLASS A COMBUSTIBLES: Class A combustibles are common materials such as wood, paper, cloth, rubber, plastics, etc. Fires in any of these fuels can be extinguished with water as well as other agents specified for Class A fires. They are the most common fuels to be found in non-specialized operating areas of the workplace such as offices. Safe handling of Class A combustibles means:

- Disposing of waste daily.
- Keeping work area clean and free of fuel paths, which can spread a fire, once started.
- Keeping combustibles away from accidental ignition sources such as hot plates, soldering irons, space heaters, or other heat or spark-producing devices.
- Keeping all rubbish, trash, or other waste in metal or metal-lined receptacles with tight-fitting covers when in or adjacent to buildings. (Exception: wastebaskets of metal or of other material and design approved for such use, which are emptied each day, need not be covered.)
- Planning the use of combustibles in any operation so that excessive amounts need not be stored.

- Storing paper stock in metal cabinets and rags in metal bins with automatically closing lids.
- Making frequent inspections and checks for noncompliance with these rules in order to catch fires before they can start.

CLASS B COMBUSTIBLES: Class B combustibles are flammable and combustible liquids (including oils, greases, tars, oil-based paints, lacquers) and flammable gases. The use of water to extinguish Class B fires (by other than trained firefighters) can cause the burning liquid to spread carrying the fire with it. Flammable liquid fires are usually best extinguished by excluding the air around the burning liquid. Generally, this is accomplished by using one of several approved types of fire extinguishing agents, such as carbon dioxide, and ABC multipurpose dry chemical. Fires involving flammable gases are usually controlled by eliminating the source of fuel, i.e., closing a valve.

Note: *Halon systems and halon portable extinguishers are no longer in service at MTSU. Halon has been banned by the EPA and should be considered as immediately dangerous to life and health as an asphyxiant. Halon by-products, generated when exposed to fire or heat, are extremely toxic.*

Technically, flammable and combustible liquids do not burn. However, under appropriate conditions, they generate sufficient quantities of vapors to form ignitable vapor-air mixtures. As a rule the lower the flashpoint of a liquid the greater the fire and explosion hazard. It should be noted that many flammable and combustible liquids also pose health hazards.

Note: *The flash point of a liquid is the minimum temperature at which it gives off sufficient vapor to form an ignitable mixture with the air near the surface of the liquid or within the vessel used.*

It is the responsibility of the user to ensure that all Class B combustibles are properly identified, labeled, handled, and stored. If assistance is required, contact Environmental Health and Safety Services. Safe handling of Class B combustibles means:

- Using only approved containers, tanks, equipment, and apparatus for the storage, handling, and use of Class B combustibles.
- Making sure that all containers are conspicuously and accurately labeled as to their contents; dispensing liquids from tanks, drums, barrels, or similar containers only through approved pumps taking suction from the top or through approved self-closing valves or faucets.
- Storing, handling, and using Class B combustibles only in approved locations, where vapors cannot reach any source of ignition, including heating equipment, electrical equipment, oven flame, mechanical or electrical sparks, etc.
- Never clean with flammable liquids within a building except in a closed machine approved for the purpose; never storing, handling, or using Class B combustibles in or near exits, stairways, or other areas normally used for egress.
- Storing flammable liquids in approved storage cabinets or special rooms approved for the purpose.

FIRE PROTECTION EQUIPMENT AND LIFE SAFETY SYSTEMS

FIRE DETECTION AND ALARM SYSTEMS: Fire alarm systems are installed and maintained in compliance with the codes applicable to the occupancy and are used only for fire protective signaling purposes. Inspection and maintenance of fire alarm systems is accomplished by qualified licensed contractors supervised by the MTSU Facilities Services. MTSU Environmental Health & Safety Services and the Murfreesboro Fire Department shall be notified prior to shutting off any section of a fire detection and alarm system. All work should be planned, and materials assembled so as to complete work and return the fire detection and alarm system to service as quickly as possible.

FIRE, HEAT, AND SMOKE DETECTORS: Several types of automatic fire, heat, and smoke detectors are used throughout Middle Tennessee State University according to particular needs and purposes. All will detect fire by one of several means and transmit an alarm within the building. All residence halls are equipped with digital fire detection and alarm systems. Automatic detectors, where installed, activate those alarms, as do the manual pull boxes. In some cases, automatic fire suppression systems are activated by automatic detectors. The Fire Department always dispatches firefighters and apparatus to the scene of any fire alarm when properly notified.

Fire alarms MUST be reported to MTSU Police Department Dispatch by dialing 2424 or 9-893-1311 from campus phones or 615-898-2424 or 615-893-1311 from cell phones, or to Murfreesboro Fire and Rescue Dispatch by dialing 9911 from campus phones or 911 from cell phones. Although the Fire Alarm Network is very reliable, NEVER count on technology alone!

AUTOMATIC FIRE SUPPRESSION SYSTEMS: Automatic fire suppression systems are intended to minimize the hazards to the occupants in case of fire while they escape from the building.

IMPAIRMENT OF AUTOMATIC FIRE SUPPRESSION SYSTEMS: MTSU Environmental Health & Safety Services and the Murfreesboro Fire Department are notified prior to shutting off any section of an automatic fire suppression system. Emergency hose lines, portable fire extinguishers, and extra watch service must be provided where needed in the affected areas until full protection is restored.

WATER SUPPLY VALVES: All water supply gate valves for automatic fire suppression systems are locked or sealed in the open position or electronically monitored to prevent tampering.

SPRINKLER HEAD CLEARANCE: A **minimum** of 24 inches clearance is required to be maintained between the top of any storage and the sprinkler head deflector to eliminate any obstruction to water distribution.

FUTURE FIRE SAFETY IMPROVEMENTS: MTSU Residence Halls all have current, state of the art, digital fire alarm systems. Middle Tennessee State University strives to be a leader in Residence Hall fire safety and is making upgrades beyond code requirements as funding is made available. Future plans include upgrading all existing systems to voice capability, improving fire department access, and redundant systems monitoring capability.

A project has been completed to develop additional two (2) data loops in the Life Safety Network. A Plan has been developed to replace difficult to service Automatic Detection systems with a Campus-wide standardized detection system. The capability to transmit building floor plan graphics and

other information to responding fire apparatus in real time is being researched for a future improvement project.

FIRE DOORS: Fire doors and dampers are provided at strategic points to block the spread of smoke and fire. Some of these are automatic and close when smoke or fire is sensed by automatic detectors. Fire doors must **never** be blocked open or left in disrepair so that they cannot close and positively latch automatically as intended in the event of a fire. They must never be blocked, wedged, or tied open. If such doors must be kept open, they must be equipped with approved automatic smoke-activated release hold-open devices.

FIRE EXITS: Fire exits must be of sufficient number to allow for rapid evacuation of all personnel. Fire doors must never be locked so as to prevent someone from opening the door from inside a building.

FIRE HYDRANTS: Fire hydrants are maintained for emergency use by the Fire Department. They must be kept accessible and in good working condition. It is against the law to park at a fire hydrant, even when driving MTSU cars and service vehicles on campus. Fire hydrants are to remain unobstructed at all times in accordance with fire code. State law further prohibits parking within 15 feet of a fire hydrant. Fire hydrants are flowed and tested annually by the Murfreesboro Fire Department. **The fire department, when responding to an emergency call, may remove any vehicle blocking access to a hydrant or fire lane by any means necessary without liability. Any damages to the removed vehicle or any fire apparatus are the responsibility of the driver and vehicle owner.**

FIRE LANES: Posted fire lanes are to remain unobstructed at all times. Fire lanes are maintained to allow emergency access by the Fire Department. They must be kept accessible **at all times** and are enforced by towing 24 hours a day and 7 days a week. It is against the law to park in a fire lane, **even when driving MTSU cars and service vehicles on campus. State law allows the fire department, when responding to an emergency call, to remove any vehicle blocking access to a fire lane, by any means necessary, without liability. Any damages to the removed vehicle or any fire apparatus are the responsibility of the driver and vehicle owner.**

EXIT WAYS AND BUILDING CORRIDORS: Exit corridors must not be used for storage. Code requires that MTSU buildings have continuous and unobstructed exits to permit prompt evacuation of the occupants and allow necessary access for responding emergency personnel. The intent is to keep exits free from obstructions and clear of combustible materials. Attention to housekeeping is very important. "Temporary" storage of furniture, equipment, supplies, or anything else is not permitted in exit ways. Combustibles, including recyclable wastepaper, are not permitted in exit ways.

PORTABLE FIRE EXTINGUISHERS: MTSU provides portable fire extinguishers campus-wide, however, **MTSU's policy is that all buildings will be 100% evacuated for any fire or fire alarm.** Students and employees are required to sound the alarm, call the MTSU Police Dispatch office at 615-898-2424, and evacuate the building. The typical fire department response time is three to five minutes.

Firefighting by students and employees is not worth the risk and is limited to those with the appropriate training. 100% evacuation is required.

Anyone that chooses to use a portable fire extinguisher should follow some simple guidelines. Before using a fire extinguisher, be sure to read the instructions before it's too late. Although there are many different types of fire extinguishers, all of them operate in a similar manner. Use the PASS acronym as a quick reference:

PASS

Pull the Pin at the top of the extinguisher.

Aim at the base of the fire, not the flames.

Squeeze the lever slowly to release the extinguishing agent. If the handle is released, the discharge will stop.

Sweep from side to side until the fire is completely out.

Operate the extinguisher from a safe distance, several feet away, and then move towards the fire once it starts to diminish. Be sure to read the instructions on the fire extinguisher; different fire extinguishers recommend operating them from different distances. Remember to aim at the base of the fire and not at the flames. Once the fire is out, don't walk away! Watch the area for a few minutes in case it re-ignites. Replace or recharge the extinguisher immediately after use.

A typical fire extinguisher contains about 10 seconds of extinguishing power and may be less if it has already been partially discharged. Always read the instructions on the fire extinguisher beforehand and become familiar with its parts. It is highly recommended that you get hands-on training before operating a fire extinguisher.

REPORTING FIRES or FIRE ALARMS

- Anyone detecting a fire or visible smoke should **immediately** activate the building fire alarm system.
- **Fire alarms MUST be reported to MTSU Police Department Dispatch by dialing 2424 or 9-893-1311 from campus phones or 615-898-2424 or 615-893-1311 from cell phones, or to Murfreesboro Fire and Rescue Dispatch by dialing 9911 from campus phones or 911 from cell phones. Although the Fire Alarm Network is very reliable, NEVER count on technology alone! Many MTSU buildings have local fire alarm systems that are not remotely monitored; therefore, it is imperative that someone notify the Murfreesboro Fire Department of fires and fire alarms as soon as possible.**
- The MTSU Police Department will notify MTSU Environmental Health & Safety Services of any reported fire or fire alarm by the close of business the next workday.

BUILDING EVACUATION FOR A FIRE OR OTHER EMERGENCY

- **Department heads or facility managers in each building are responsible for instructing the occupants that the entire building is to be 100% evacuated in an emergency or when the fire alarm sounds.** The size and type of construction of many campus buildings may prevent detection of an actual fire until there is an extreme risk of injury. MTSU policy and Fire Codes require that **ALL** persons immediately evacuate.
- Everyone **must** follow these procedures upon discovery of a fire or smoke in a building, or activation of the fire alarm system:
 - If a fire occurs in a room where you are, get out, close the door, and stay out.
 - **Sound the alarm and report the fire to MTSU Police Department Dispatch by dialing 2424 or 9-893-1311 from campus phones or 615-898-2424 or 615-893-1311 from cell phones, or to Murfreesboro Fire and Rescue Dispatch by dialing 9911 from campus phones or 911 from cell phones. Although the Fire Alarm Network is very reliable, NEVER count on technology alone! Leave if possible.**
 - Feel the door with the BACK of the hand.
 - Open it slowly if it is cool and proceed to the nearest exit.
 - **CRAWL LOW** under any smoke.
 - **DO NOT OPEN THE DOOR IF IT IS HOT.** Seal all cracks with wet towels, clothing or other available material. Shut off all fans and air conditioners. Signal at the window and phone for help.
 - Assume **ALL** fire alarms are actual fires.
 - **DO NOT** investigate; that is the responsibility of the Fire Department who are trained and equipped for that job.
 - Faculty, administration, and staff are responsible for instructing all students in the building to leave the building using the nearest unobstructed exit.
 - Use the stairs. Use elevators SHALL NOT for building evacuation purposes under any circumstances.
- Persons evacuating the building will assemble at a safe distance from the building where they will not interfere with or be endangered by the operation of fire, rescue or other emergency equipment.
- The person reporting the emergency should meet the officer in charge of the first arriving police unit or fire apparatus and inform him or her of the nature of the emergency and the general situation.
- Follow any instructions given by fire or other emergency personnel until the emergency is over and the building is released by the Fire Department.
- In accordance with Tennessee state law, the building may not be reoccupied, and the alarm system may not be reset until permission to do so is given by the Fire Department.

FIRE and LIFE SAFETY TRAINING AND EDUCATION

- Fire and Life Safety training shall be conducted with the Campus community in manner which will disseminate the required information and training to as many persons as possible.
 - Use of Electronic/Computer Training modules {Safe Colleges-as required by MTSU Departmental Coordinators} for Faculty and Staff personnel.
 - In-person Training by assigned and authorized personnel.
- Campus Fire Marshal, or designee, will hold in-person classes at the beginning of each educational Calendar year with all MTSU Housing Staff including Resident Assistants, Resident Directors, Area Coordinators, and any other designated personnel who will be a responsible party for the training of residents of all MTSU Housing Facilities.
 - These participants will train residents in Policy and Procedures for their area of responsibility.
 - The Residential Coordinators and Area Coordinators will pass along the pertinent Campus policies as well as policy locations and numbers to residents.
- Campus Fire Marshal, or designee, shall conduct in-person Fire Drills and Training sessions in occupied Campus Structures. These Drills/Trainings will be coordinated with the assistance of the Manager for Academic Space Planning as a point of contact for the Provost office for Educational Spaces and Director of Housing Administration for all MTSU Housing Spaces.
- Campus Fire Marshal shall conduct in-person Training sessions per request for specific programs as required by the Program needs.

OPEN FLAMES AND CANDLES

- Lighting devices such as Tiki lamps, oil lamps, torches, etc., are absolutely prohibited in all MTSU facilities. The use of candles and the burning of incense in MTSU residential facilities are prohibited except in conjunction with recognized religious activities and with written authorization of the director of Housing and Residential Life or Greek Life as appropriate. Unused or decorative candles/incense are prohibited in MTSU residential facilities.

See MTSU Policy 770 Fire Safety in On-Campus Student Housing.

ELECTRICAL

- **General:** Powered equipment such as electrical tools or appliances must be grounded or of the double insulated type. Extension cords being used must have a grounding conductor. Multiple plug adapters are prohibited. Combustible materials must be 18 inches or more away from any light bulb.

- **Appliance and Extension Cords:** All appliance and extension cords must be maintained in good repair, without splices or fraying; must be approved by Underwriters' Laboratories (UL) and must be in compliance with the National Electrical Code. Cords shall not be run through doors, windows, or other openings in walls, floors, or ceilings. Extension cords may not be used outside of the room where the receptacle is located. Appliance and extension cords shall not be spliced for any reason. Broken or damaged cords shall be replaced. All electric cords shall be properly grounded when in use. For example, a 3-prong plug may not be plugged into a household type 2-conductor extension cord; also, adapters are not permitted to allow 3-wire cords to be plugged into 2-wire cords or receptacles. Household type extension cords may not exceed 8 feet in length and may only have a single outlet at the female end.
- **Fuses:** Replacement fuse capacities must not exceed that of the circuit. Placing pennies behind fuses, strapping burned-out fuses, or making other direct contact is prohibited. These practices are extremely hazardous and can result in fire or electrocution.
- **Appliances:** All appliances must be maintained in good repair; must be approved by Underwriters' Laboratories (UL) and must be in compliance with the National Electrical Code. Appliances found to be unsafe shall be removed. Appliances available for use shall be considered in use. Small appliances, where authorized outside of cafeterias or food service areas, shall be placed on non-combustible surfaces. Small appliances, where authorized outside of cafeterias or food service areas, may be no closer than 18 inches from any combustible wall, unless that wall is shielded by a metal covering extending at least 12 inches above the appliance.
- **Portable Heaters:** The use of these devices is prohibited in residence halls, fraternity houses, apartments, or other campus residence facilities.

See MTSU Policy 770 Fire Safety in On-Campus Student Housing.

NO LOITERING POLICY

- Employees, students, and visitors not involved in the emergency must stay away from the scene and follow the instructions issued by the person in charge. The sounding of a fire alarm means immediate evacuation by the nearest exit. Employees, students, and visitors must not reenter an area that they have evacuated until notified by competent authority that it is safe to return.

FIRE EXIT DRILLS

- The purpose of conducting fire exit drills is to ensure the safe and efficient evacuation of a building in an emergency while maintaining order and control and preventing panic. Speed in emptying a building, while desirable, is not the object of a fire exit drill and should be considered of secondary importance. The facility manager or building director of any facility conducting a fire exit drill shall notify the Campus Police at 615-898-2424 of the time and location of the drill not less than one hour prior to initiating any fire exit drill. The Campus Police dispatcher shall notify MTSU Environmental Health & Safety Services-Life Safety and Emergency Management and the Murfreesboro Fire Department of the time and location of the drill prior to the actual initiation of any fire exit drill. Each residence hall shall conduct a minimum of two fire exit drills each semester. One shall be announced, and notice given to all building staff and residents. One shall be unannounced without notice to either the building staff or residents.

FALSE FIRE ALARMS AND TAMPERING WITH FIRE AND LIFE SAFETY EQUIPMENT

- Issuing a false fire alarm or tampering with any Fire and Life Safety Systems are a **CRIME**. Persons issuing false fire alarms or tampering with Fire and Life Safety equipment may be fined and/or imprisoned. Anyone issuing a false fire alarm or tampering with Fire and Life Safety equipment in any University facility shall be prosecuted to the fullest extent of the law and may also be subject to University imposed disciplinary measures or other sanctions.

MURFREESBORO FIRE AND RESCUE DEPARTMENT

- The Murfreesboro Fire and Rescue Department is responsible for protecting people and property from fires, explosions, and other hazards through expeditious control of such events. Everyone must **immediately** report **ALL** fires, regardless of size (even if extinguished); smoke; or fire alarms to the Murfreesboro Fire and Rescue Department **by dialing 9911 from campus phones or 911 from cell phones**. Fires may also be reported to MTSU Police Department Dispatch **by dialing 2424 or 9-893-1311 from campus phones or 615-898-2424 or 615-893-1311 from cell phones**.
- Murfreesboro Fire and Rescue Department personnel are dedicated to providing outstanding fire protection for the City of Murfreesboro. Their ultimate goal is to deliver the highest level of emergency response with the greatest margin of safety in the most fiscally responsible way. The individual members of the department are the most important and valuable assets. They work for the citizens of Murfreesboro to create a better quality of life. The MFRD works hard to help provide a safe, progressive, and healthy community for its citizens. Personnel train daily to be better prepared to perform their jobs and to meet state and national standards. The department's newsletter, *The Extinguisher*, is available online monthly as is its Annual Report. If you have any questions regarding fire related issues, please contact the Fire Administration office at 615-893-1422 Monday through Friday 8 a.m. to 4:30 p.m.
- **ISO Rating:** On Sept. 1, 2007, Murfreesboro Fire and Rescue Department (MFRD) moved from a Class Three to a Class Two fire rating and by that into an elite category enjoyed by less than 1 percent of the country's fire departments. There are only 30 Class One rated departments in the U.S. and none in Tennessee.
- The designation means lower fire insurance premiums for commercial businesses and industries, which vastly improves the community's economic development prospects.

- ISO is a New Jersey-based organization hired by insurance companies to evaluate all communities according to a wide variety of criteria in a program it calls its Fire Suppression Rating Schedule. The results of that evaluation are used to assign a Public Protection Classification number from one to 10 to all properties so a fire insurance rating can be assigned.
- The rating is based on scores in three major areas, 50 percent on the departments themselves, including a long-term system for training and promotions, new fire stations strategically placed and adequately staffed and the department's system for equipment depreciation and replacement; 40 percent on the water supply, or the ability of both Murfreesboro Water and Sewer Department and Consolidated Utility District to store and deliver an adequate water supply and 10 percent on communications, or the development over time of an expert emergency communications system of dispatchers.
- **Hazardous Materials:** Although occurrences on the MTSU Campus are rare, the Murfreesboro Fire and Rescue Department is also the first-in agency for hazardous materials (HAZMAT) incidents on the MTSU campus. MFRD is currently providing response to HAZMAT incidents with 100+ trained personnel. A hazardous material (HAZMAT) incident involves the actual or potential release of any substance (solid, liquid, or gas) capable of causing harm to people, property, and the environment.
- **FIRE STATIONS:** The Fire Department currently operates ten (10) fully staffed fire stations. There are 212 sworn, full-time positions in the Murfreesboro Fire and Rescue Department; most organized into three (A, B and C) shifts. Personnel work a 24-hours-on/48-hours-off system. The first alarm response to the MTSU campus typically operates from:
 - STATION 3-Mercury Blvd
 - STATION 8-Northfield Blvd
 - HEADQUARTERS-Vine Street

OTHER SERVICES

- The MFRD responds to residential carbon monoxide (CO) alarms. The department currently has 14 carbon monoxide gas detectors (one on every fire engine and rescue company), which are used to determine the level of CO in the home. The MFRD is currently receiving approximately four calls per month to perform carbon monoxide detection.

MTSU Fire Safety Report Appendix A
Middle Tennessee State University Residential Building Life Safety Systems Inventory
2020

Building or complex	FACU	Model	Smoke Detectors	Heat Detectors	Duct Detectors	Pull Stations	Strobes	Spkr/Horn	Fire Alarm Test	Voice	Fire Sprinkler	Fire Sprinkler Test	Fire Pump	Fire Pump Test	Portable Fire Extinguishers	Annual Fire Drills
Beasley Hall	Simplex	4010	54	0	4	8	33	Annual		x	Annual				8	4
Corlew Hall	Simplex	4100U	323	20	5	26	481	Annual	x	x	Annual	x	Weekly		28	4
Deere Hall	Simplex	4100U	4	6	0	12	29	Annual	x	x	Annual				16	4
Gracy Hall	Simplex	4010	58	0	0	18	28	Annual		x	Annual				15	4
Jim Cummings Hall	Simplex	4100U	361	22	29	22	555	Annual	x	x	Annual	x	Weekly		28	4
Judd Hall	Simplex	4010	55	0	4	35	36	Annual		x	Annual				15	4
Lyon, Mary, McHenry	Simplex	4100U	219	9	2	20	90	Annual	x	x	Annual	x	Weekly		27	4
Monohan, Reynolds, Schardt	Simplex	4100U	6	0	0	27	37	Annual	x	x	Annual				27	4
Nicks Hall	Simplex	4100U	88	11	0	12	172	Annual	x	x	Annual				16	4
Rutledge Hall	Simplex	4100+	1	0	0	7	7	Annual		x	Annual				9	4
Scarlett Commons APT 1	Simplex	4009	85	0	0	0	14	Annual							9	4
Scarlett Commons APT 2	Simplex	4009	86	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 3	Simplex	4009	85	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 4	Simplex	4009	85	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 5	Simplex	4009	57	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 6	Simplex	4009	86	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 7	Simplex	4009	85	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 8	Simplex	4009	85	0	0	0	14	Annual		x	Annual				9	4
Scarlett Commons APT 9	Simplex	4009	85	0	23	0	14	Annual		x	Annual				9	4
Greek Row House# 1	Simplex	4020	9	0	0	6	17	Annual		x	Annual				9	4
Greek Row House# 2	Simplex	4020	9	0	0	3	16	Annual		x	Annual				11	4
Greek Row House# 3	Simplex	4020	20	0	3	5	14	Annual		x	Annual				17	4
Greek Row House# 4	Simplex	4020	23	0	6	7	14	Annual		x	Annual				11	4
Greek Row House# 5	Simplex	4020	14	0	6	4	10	Annual		x	Annual				4	4
Greek Row House# 6	Simplex	4020	12	0	9	4	11	Annual		x	Annual				8	4
Greek Row House# 7	Simplex	4020	30	0	3	4	18	Annual		x	Annual				11	4
Greek Row House# 8	Simplex	4020	29	0	6	6	13	Annual		x	Annual				10	4
Sims Hall	Simplex	4010	60	0	4	9	36	Annual		x	Annual				8	4
Smith Hall	Simplex	4010	3	0	0	10	10	Annual		x	Annual				14	4
Womack Lane Apts- A	Simplex	4010	51	16	0	0	52	Annual		x	Annual				8	4
Womack Lane Apts- B	Simplex	4010	34	16	0	0	35	Annual		x	Annual				8	4
Womack Lane Apts- C	Simplex	4010	50	16	0	0	51	Annual		x	Annual				8	4
Womack Lane Apts- D	Simplex	4010	34	16	0	0	35	Annual		x	Annual				8	4
Womack Lane Apts- E	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- F	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- G	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- H	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- I	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- J	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- K	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Apts- L	Simplex	4010	66	16	0	0	67	Annual		x	Annual				8	4
Womack Lane Club House	Simplex	4010	38	7	6	12	38	Annual		x	Annual				5	4
TOTALS:			2852	267	104	257	2500								474	168

NFPA 72 - National Fire Alarm Code 2010

NFPA 72 - 10.4.4 - Testing Frequency

10.4.4: "Testing shall be performed in accordance with the schedules in Table 10.4.4, except as modified in other paragraphs of 10.4.4, or more often if required by the authority having jurisdiction.

Component	Initial	Monthly	Quarterly	Semiannually	Annually
1. Control Equipment - Building Systems					
<i>Connected to Supervising Station</i>					
a. Functions	X				X
b. Fuses	X				X
c. Interfaced Equipment	X				X
d. Lamps and LEDs	X				X
e. Primary power supply	X				X
f. Transponders	X				X
2. Remote Annunciators					
	X				X
3. Initiating Devices					
a. Duct Detectors	X				X
b. Heat Detectors	X				X
c. Smoke Detector - Functional Test	X				X
d. Smoke Detector - Sensitivity testing (or as AHJ requires)					X
e. Single and Double Action Pull Station	X				X
f. Waterflow devices	X			X	
g. Valve supervisory switches	X			X	
4. Notification Devices					
a. Audible Devices	X				X
b. Audible visual notification appliances	X				X
c. Visible Devices	X				X

NFPA 25 - Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems

NFPA 25 - 5.1 Testing Frequency of Sprinkler Systems

Component	Activity	Monthly	Quarterly	Semiannually	Annually	Reference
1. Gauges (dry, preaction, and deluge)	Inspection	X				5.2.4.2, 5.2.4.3
2. Control Valves	Inspection	X				Table 12.1
3. Alarm Devices	Inspection		X			5.2.6
4. Gauges (Wet pipe systems)	Inspection	X				5.2.4.1
5. Hydraulic nameplate	Inspection		X			5.2.7
6. Buildings	Inspection				X	5.2.5
7. Pipe and Fittings	Inspection				X	5.2.2
8. Sprinklers	Inspection				X	5.2.1
9. Spare Sprinklers	Inspection				X	5.2.1.3
10. Fire Department Connections	Inspection		X			Table 12.1
11. Valves (all types)	Inspection		X			Table 12.1
12. Alarm devices	Test		X	X		5.3.3
13. Main Drain	Test				X	Table 12.1
15. Low point drains (dry pipe systems)	Maintenance				X	12.4.4.3.3

NFPA 25 - 8.1 Fire Pumps Inspection, Testing, and Maintenance

Component	Activity	Weekly	Monthly	Quarterly	Semiannually	Annually	Reference
1. Pump house, heating ventilating louvers	Inspection	X					8.2.2
2. Fire pump system	Inspection	X					8.2.2
3. Pump Operation							
- No-flow condition	Test	X					8.3.1.
- Flow condition	Test					X	8.3.3.1
4. Hydraulic	Maintenance					X	8.5
5. Mechanical Transmission	Maintenance					X	8.5
6. Motor	Maintenance					X	8.5

Middle Tennessee State University-Residential Building Fire Statistics
2020

Building	Total	Fire #	Cause of Fire	Injuries Requiring	Fire Related	Value of Property Damage
Beasley Hall	0	0		0	0	0
Corlew Hall	0	0		0	0	0
Deere Hall	0	0		0	0	0
Gracy Hall	0	0		0	0	0
Jim Cummings Hall	0	0		0	0	0
Judd Hall	0	0		0	0	0
Lyon, Mary, McHenry Complex	0	0		0	0	0
Monohan, Reynolds, Schardt Complex	0	0		0	0	0
Nicks Hall	0	0		0	0	0
Rutledge Hall	0	0		0	0	0
Scarlett Commons Apartment Building 1	0	0		0	0	0
Scarlett Commons Apartment Building 2	0	0		0	0	0
Scarlett Commons Apartment Building 3	0	0		0	0	0
Scarlett Commons Apartment Building 4	0	0		0	0	0
Scarlett Commons Apartment Building 5	0	0		0	0	0
Scarlett Commons Apartment Building 6	0	0		0	0	0
Scarlett Commons Apartment Building 7	0	0		0	0	0
Scarlett Commons Apartment Building 8	0	0		0	0	0
Scarlett Commons Apartment Building 9	0	0		0	0	0
Greek Row House #1	0	0		0	0	0
Greek Row House #2	0	0		0	0	0
Greek Row House #3	0	0		0	0	0
Greek Row House #4	0	0		0	0	0
Greek Row House #5	0	0		0	0	0
Greek Row House #6	0	0		0	0	0
Greek Row House #7	0	0		0	0	0
Greek Row House #8	0	0		0	0	0
Sims Hall	0	0		0	0	0
Smith Hall	0	0		0	0	0
Womack Lane Apartment A	0	0		0	0	0
Womack Lane Apartment B	0	0		0	0	0
Womack Lane Apartment C	0	0		0	0	0
Womack Lane Apartment D	0	0		0	0	0
Womack Lane Apartment E	0	0		0	0	0
Womack Lane Apartment F	1	1	UNATTENDED COOKING	0	0	0
Womack Lane Apartment G	0	0		0	0	0
Womack Lane Apartment H	0	0		0	0	0
Womack Lane Apartment I	0	0		0	0	0
Womack Lane Apartment J	0	0		0	0	0
Womack Lane Apartment K	0	0		0	0	0
Womack Lane Apartment L	0	0		0	0	0
Womack Lane Clubhouse	0	0		0	0	0

Middle Tennessee State University-Residential Building Fire Statistics

2019

Building	Total	Fire #	Cause of Fire	Injuries Requiring	Fire Related	Value of Property Damage
Beasley Hall	0			0	0	0
Corlew Hall	2	2	UNATTENDED COOKING; Fire Extinguisher	0	0	0
Deere Hall	1	1	UNATTENDED COOKING	0	0	0
Gracy Hall	0	0		0	0	0
Jim Cummings Hall	0	0		0	0	0
Judd Hall	0	0		0	0	0
Lyon, Mary, McHenry Complex	0	0		0	0	0
Monohan, Reynolds, Schardt Complex	1	1	Steam Release	0	0	0
Nicks Hall	1	1	UNATTENDED COOKING	0	0	0
Rutledge Hall	1	1	UNATTENDED COOKING	0	0	0
Scarlett Commons Apartment Building 1	0	0		0	0	0
Scarlett Commons Apartment Building 2	0	0		0	0	0
Scarlett Commons Apartment Building 3	0	0		0	0	0
Scarlett Commons Apartment Building 4	0	0		0	0	0
Scarlett Commons Apartment Building 5	0	0		0	0	0
Scarlett Commons Apartment Building 6	0	0		0	0	0
Scarlett Commons Apartment Building 7	0	0		0	0	0
Scarlett Commons Apartment Building 8	0	0		0	0	0
Scarlett Commons Apartment Building 9	0	0		0	0	0
Greek Row House #1	0	0		0	0	0
Greek Row House #2	0	0		0	0	0
Greek Row House #3	0	0		0	0	0
Greek Row House #4	0	0		0	0	0
Greek Row House #5	0	0		0	0	0
Greek Row House #6	0	0		0	0	0
Greek Row House #7	0	0		0	0	0
Greek Row House #8	0	0		0	0	0
Sims Hall	0	0		0	0	0
Smith Hall	1	1	Overheated Elevator Equipment	0	0	0
Womack Lane Apartment A	0	0		0	0	0
Womack Lane Apartment B	0	0		0	0	0
Womack Lane Apartment C	0	0		0	0	0
Womack Lane Apartment D	0	0		0	0	0
Womack Lane Apartment E	0	0		0	0	0
Womack Lane Apartment F	0	0		0	0	0
Womack Lane Apartment G	0	0		0	0	0
Womack Lane Apartment H	0	0		0	0	0
Womack Lane Apartment I	0	0		0	0	0
Womack Lane Apartment J	0	0		0	0	0
Womack Lane Apartment K	0	0		0	0	0
Womack Lane Apartment L	0	0		0	0	0
Womack Lane Clubhouse	0	0		0	0	0

**Middle Tennessee State University-Residential Building Fire Statistics
2018**

Building	Total	Fire #	Cause of Fire	Injuries Requiring	Fire Related	Value of Property Damage
Beasley Hall	0			0	0	0
Corlew Hall	1	1	UNATTENDED COOKING	0	0	0
Deere Hall	3	3	UNATTENDED COOKING (all)	0	0	0
Gracy Hall	0			0	0	0
Jim Cummings Hall	1	1	Manual Pull box Initiation	0	0	0
Judd Hall	0			0	0	0
Lyon, Mary, McHenry Complex	1	1	UNATTENDED COOKING	0	0	0
Monohan, Reynolds, Schardt Complex	0			0	0	0
Nicks Hall	2	2	UNATTENDED COOKING (BOTH)	0	0	0
Rutledge Hall	1	1	UNATTENDED COOKING	0	0	0
Scarlett Commons Apartment Building 1	0			0	0	0
Scarlett Commons Apartment Building 2	0			0	0	0
Scarlett Commons Apartment Building 3	1	1	UNATTENDED COOKING	0	0	0
Scarlett Commons Apartment Building 4	0			0	0	0
Scarlett Commons Apartment Building 5	0			0	0	0
Scarlett Commons Apartment Building 6	1	1	EXTERIOR-UNATTENDED COOKNG	0	0	0
Scarlett Commons Apartment Building 7	0			0	0	0
Scarlett Commons Apartment Building 8	0			0	0	0
Scarlett Commons Apartment Building 9	0			0	0	0
Greek Row House #1	0			0	0	0
Greek Row House #2	0			0	0	0
Greek Row House #3	0			0	0	0
Greek Row House #4	0			0	0	0
Greek Row House #5	1	1	MANUAL PULL BOX INTITATION	0	0	0
Greek Row House #6	0			0	0	0
Greek Row House #7	0			0	0	0
Greek Row House #8	1	1	UNATTENEDED CURLING IRON	0	0	0
Sims Hall	0			0	0	0
Smith Hall	0			0	0	0
Womack Lane Apartment A	0			0	0	0
Womack Lane Apartment B	0			0	0	0
Womack Lane Apartment C	0			0	0	0
Womack Lane Apartment D	0			0	0	0
Womack Lane Apartment E	0			0	0	0
Womack Lane Apartment F	0			0	0	0
Womack Lane Apartment G	0			0	0	0
Womack Lane Apartment H	0			0	0	0
Womack Lane Apartment I	0			0	0	0
Womack Lane Apartment J	0			0	0	0
Womack Lane Apartment K	0			0	0	0
Womack Lane Apartment L	0			0	0	0
Womack Lane Clubhouse	0			0	0	0

**Middle Tennessee State University-Residential Building Fire Statistics
2017**

Building	Total	Fire #	Cause of Fire	Injuries Requiring	Fire Related	Value of Property Damage
Beasley Hall	0			0	0	0
Corlew Hall	0			0	0	0
Deere Hall	1	1	UNATTENDED COOKING	0	0	0
Gracy Hall	0			0	0	0
Jim Cummings Hall	0			0	0	0
Judd Hall	0			0	0	0
Lyon, Mary, McHenry Complex	0			0	0	0
Monohan, Reynolds, Schardt	0			0	0	0
Nicks Hall	0			0	0	0
Rutledge Hall	2	2	UNATTENDED COOKING, UNATTENDED	0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	1	1	EXTERIOR-UNATTENDED COOKNG	0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Greek Row House #1	0			0	0	0
Greek Row House #2	0			0	0	0
Greek Row House #3	0			0	0	0
Greek Row House #4	0			0	0	0
Greek Row House #5	0			0	0	0
Greek Row House #6	0			0	0	0
Greek Row House #7	0			0	0	0
Greek Row House #8	1	1	UNATTENEDED CURLING IRON	0	0	0
Sims Hall	0			0	0	0
Smith Hall	0			0	0	0
Womack Lane Apartment A	0			0	0	0
Womack Lane Apartment B	0			0	0	0
Womack Lane Apartment C	0			0	0	0
Womack Lane Apartment D	0			0	0	0
Womack Lane Apartment E	0			0	0	0
Womack Lane Apartment F	0			0	0	0
Womack Lane Apartment G	0			0	0	0
Womack Lane Apartment H	0			0	0	0
Womack Lane Apartment I	0			0	0	0
Womack Lane Apartment J	0			0	0	0
Womack Lane Apartment K	0			0	0	0
Womack Lane Apartment L	0			0	0	0
Womack Lane Clubhouse	0			0	0	0

**Middle Tennessee State University * Residential Building Fire Statistics
2016**

Building	Total	Fire #	Cause of Fire	Injuries Requiring	Fire Related	Value of Property Damage
Beasley Hall	0			0	0	0
Corlew Hall	1	1	Unattended Cooking	0	0	0
Deere Hall	0			0	0	0
Gracy Hall	0			0	0	0
Jim Cummings Hall	0			0	0	0
Judd Hall	0			0	0	0
Lyon, Mary, McHenry Complex	1	1	Unattended Cooking	0	0	0
Monohan, Reynolds, Schardt	0			0	0	0
Nicks Hall	0			0	0	0
Rutledge Hall	1	1	Unattended Cooking	0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Scarlett Commons Apartment	0			0	0	0
Greek Row Fraternity House #1	0			0	0	0
Greek Row Fraternity House #2	0			0	0	0
Greek Row Fraternity House #3	0			0	0	0
Greek Row Fraternity House #4	0			0	0	0
Greek Row Fraternity House #5	0			0	0	0
Greek Row Fraternity House #6	0			0	0	0
Greek Row Fraternity House #7	0			0	0	0
Greek Row Fraternity House #8	0			0	0	0
Sims Hall	0			0	0	0
Smith Hall	0			0	0	0
Womack Lane Apartment A	0			0	0	0
Womack Lane Apartment B	0			0	0	0
Womack Lane Apartment C	0			0	0	0
Womack Lane Apartment D	0			0	0	0
Womack Lane Apartment E	0			0	0	0
Womack Lane Apartment F	0			0	0	0
Womack Lane Apartment G	0			0	0	0
Womack Lane Apartment H	0			0	0	0
Womack Lane Apartment I	0			0	0	0
Womack Lane Apartment J	0			0	0	0
Womack Lane Apartment K	0			0	0	0
Womack Lane Apartment L	0			0	0	0
Womack Lane Clubhouse	0			0	0	0

