



WMSC Commissioner Brief: W-0177 – Evacuation for Life-Safety Reasons – West Falls Church Yard (Building F) – April 4, 2022

Prepared for Washington Metrorail Safety Commission meeting on August 9, 2022

Safety event summary:

Building F at West Falls Church Rail Yard was evacuated on April 4, 2022, due to a fire in a mechanical room.

A Plant Maintenance Mechanic noticed a burning odor and light smoke and reported it to the Plant Maintenance (PLNT) Equipment Supervisor. They located the fire, which was contained inside a water heater, around 2:05 p.m. The Supervisor removed power to the water heater by tripping the breaker and notified the PLNT Equipment Assistant Superintendent of the fire.

The Assistant Superintendent activated the fire alarm pull station at approximately 2:07 p.m. and notified MOC (Maintenance Operations Center) at 2:08 p.m. Smoke spread in the building. The fire itself remained contained within the water heater. The building's fire sprinkler system did not activate because the fire was contained so it did not trigger the heat sensors.

Approximately 20 people working in the building safely evacuated.

Fairfax County Fire and Rescue Department personnel arrived at the yard at approximately 2:18 p.m. but some of the response was at the incorrect building (Building B). The Fire Liaison in the Rail Operations Control Center informed the Incident Commander that the fire was in Building F, improving the effectiveness of the response. Cintas Fire Alarm Monitoring, a Metrorail contractor which called for the dispatch due to the activation of the alarm and confirmed the dispatch with Metrorail's MOC desk in the ROCC, had incorrectly provided Building B as the location of the fire when it was reported to Fairfax County's public safety answering point (911).

The fire department extinguished the fire and determined there did not appear to be any structural damage. The building was cleared for personnel to resume work at approximately 2:48 p.m.

The investigation determined that the water heater was being used beyond its useful life. The fire was caused by overheated electronic conductors inside the water heater, which led to a fire involving control wiring, element connections and insulation. Metrorail did not report this event to the WMSC in a timely manner as required. The WMSC held follow-up discussions with Metrorail personnel to reduce the likelihood of this delayed reporting occurring in the future. It is Metrorail's responsibility to comply with the WMSC Program Standard, including as it relates to any safety event occurring in or during work on the WMATA Rail System (the rail fixed guideway public transportation system and all other real and personal property owned, leased, operated, or otherwise used by WMATA rail services and shall include WMATA rail projects under design or construction by owners other than WMATA.) Metrorail had not trained the individual the Safety Department had assigned to serve as the Mission Assurance Coordinator (MAC) on these requirements.

Probable Cause:

The probable cause of this event was Metrorail's insufficient planning to ensure its equipment is not beyond its useful life through identification and prioritization of renewal plans to ensure a state of good repair.



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Office: 202-384-1520 • Website: www.wmsc.gov

Corrective Actions:

Metrorail is reviewing its Emergency Action Plan Program.

Metrorail will conduct fire drills for other buildings in the yard.

Metrorail created a record of its existing water heaters.

Metrorail provided refresher training to the MAC on safety event notification requirements.



Washington Metro Area Transit Authority
Department of Safety and Environmental
Management (SAFE)

FINAL REPORT OF INVESTIGATION A&I E22206

Date of Event:	April 4, 2022
Type of Event:	Evacuation for Life Safety Reasons (Fire/Smoke)
Incident Time:	14:05 Hours
Location:	West Falls Church Yard – Building F
Time and How received by SAFE:	04/05/2022 19:30 Hours – Cintas Fire Protection
WMSC Notification Time:	04/08/2022 12:21 Hours
Responding Safety Officers:	WMATA: OEP WMSC: N/A Other: N/A
Rail Vehicle:	None
Injuries:	None
Damage:	Water Heater – Internal Fire Damage
Emergency Responders:	Fairfax County Fire Department; Metro Transit Police Department
SMS I/A Incident Number:	20220416#99653

West Falls Church Yard – Evacuation for Life Safety Reasons

April 4, 2022

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Abbreviations and Acronyms

CAP	Corrective Action Plan
CCTV	Closed-Circuit Television
COMM	Office of Systems Maintenance, Office of Communications
MSRPH	Metrorail Safety Rules and Procedures Handbook
NOAA	National Oceanic and Atmospheric Administration
RTRA	Office of Rail Transportation
ROCC	Rail Operations Control Center
SAFE	Department of Safety and Environmental Management
SMS	Safety Measurement System
WMATA	Washington Metropolitan Area Transit Authority
WMSC	Washington Metrorail Safety Commission

Washington Metropolitan Area Transit Authority
Department of Safety & Environmental Management

Executive Summary

On Monday, April 4, 2022, at approximately 14:05 hours, a Fire/Smoke event occurred at West Falls Church Rail Yard – Building F inside Mechanical Room 211-A. At approximately 14:08 hours, an Assistant Superintendent from the Office of Plant Maintenance (PLNT) reported to the Maintenance Operations Control (MOC) PLNT Desk that a water heater was on fire. MOC confirmed with the reporting personnel that the fire alarm was not a test and advised that the Fire Department was dispatched.

The Audio Recording System (ARS) playback confirmed that at approximately 14:08 hours, MOC received a report of a fire in the water heater at West Falls Church Rail Yard – Building F. At approximately 14:11 hours, Cintas Fire Alarm Monitoring contacted an MOC Maintenance Controller and advised that the fire department was dispatched to West Falls Church Yard. The MOC Maintenance Controller notified the Maintenance Manager that the fire department was dispatched. The Rail Operations Control Center (ROCC) Operations Manager (OM) notified the Fire Liaison Officer (FLO), Mission Assurance Coordinator (MAC) and the ROCC Information Manager that the fire department was dispatched to West Falls Church Yard. At approximately 14:13 hours, MOC confirmed that Power personnel were located at the incident site and at approximately 14:16 hours, MOC confirmed that Office of Communications (COMM) were located at the incident site.

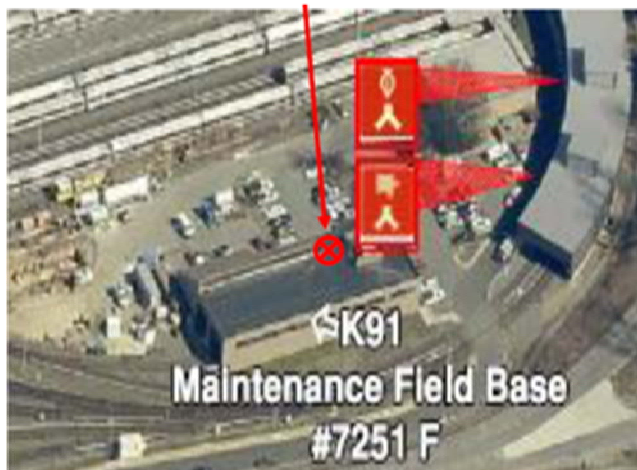
At approximately 14:18 hours, the Fairfax County Fire Department arrived on scene and ensured the event was controlled and extinguished. The fire event was contained within the water heater; however, smoke was observed within the building. There was internal fire damage to the water heater insulation, wiring, and element connections. Because the fire was contained within the water heater, heat did not escape at a high enough level to activate the fire sprinkler system. The fire alarm was activated manually by personnel in the building as they observed smoke. At approximately 15:45 hours, PLNT disconnected the water heater unit, and COMM reset the fire alarm.

The probable cause of the Evacuation for Fire Life Safety Reasons (Fire/Smoke) event was mechanical failure of a water heater that was in service beyond its expected useful life. The failure was the result of overheated electronic conductors within the water heater's interior, causing internal fire damage to the control wiring, element connections, and insulation.

Incident Site

West Falls Church Yard – Building F, Room 211-A

Field Sketch/Schematics



Purpose and Scope

The purpose of this investigation and candid self-evaluation is to collect and analyze available facts, determine the probable cause(s) of the incident, identify contributing factors, and make recommendations to prevent a recurrence.

Investigative Methods

Upon receiving notification of the Evacuation for Life Safety Reasons (Fire/Smoke) event at West Falls Church Yard on April 4, 2022, SAFE dispatched a cross-functional team to assess the scene and conduct a subsequent investigation. SAFE team members worked with relevant WMATA subject matter experts to review the incident's facts and data.

The investigative methodologies included the following:

- Site Assessment through video and document review
- Formal Interviews – SAFE interviewed three individuals as part of this investigation. Interviews included persons present at, during, and after the incident, those directly involved in the response process, and representatives from the Washington Metrorail Safety Commission (WMSC). SAFE interviewed the following individuals:
 - PLNT Equipment Supervisor
 - PLNT Equipment Assistant Superintendent
 - ROCC Operations Manager
- Informal Interviews – Collected through conversations with individuals during the investigation to provide background and supporting information. Note: Written statements were reviewed from personnel present during the event.
 - Facilities Engine Mechanic
 - MTPD
 - Mission Assurance Coordinator (MAC)

- Documentation Review – Collection of relevant work history information and process documentation contained in WMATA systems of record. These records include:
 - Metrorail Safety Rules and Procedures Handbook (MSRPH)
 - National Oceanic and Atmospheric Administration (NOAA)
 - Rail Operations Control Center (ROCC) Incident Report
 - Fire Alarm Log
 - Water Heater Manufacturer Information
 - Maximo Data
- System Data Recording Review – A collection of information contained in Metro Data Recording Systems. This data includes:
 - Audio Recording System (ARS) playback [Radio and Landline Communications]
 - Closed-Circuit Television (CCTV)

Investigation

On Monday, April 4, 2022, at approximately 14:05 hours, a Fire/Smoke event occurred at West Falls Church Rail Yard – Building F inside Mechanical Room 211-A. A PLNT Maintenance Mechanic noticed a faint burning odor and began inspection of the building to locate the cause. Upon inspection of the second level, the Maintenance Mechanic reported to the PLNT Maintenance Equipment Supervisor that there was a burning odor and very light smoke. The Maintenance Mechanic and Equipment Supervisor continued to investigate and located the source within the Mechanical Room. The Equipment Supervisor tripped the breaker that was connected to the water heater, removing the power. The Equipment Supervisor located and notified the PLNT Equipment Assistant Superintendent that there was fire and smoke coming from the water heater. The Equipment Supervisor and Assistant Superintendent returned to the Mechanical Room and determined that the fire was not accessible from outside of the water heater unit.

At approximately 14:07 hours, the Assistant Superintendent activated the fire alarm panel. Cintas Fire Protection contacted MOC PLNT. At approximately 14:08 hours, the Assistant Superintendent notified MOC PLNT that a water heater was on fire. The ROCC OM was nearby and overheard the transmission, returned to the Rail 1 desk, and reported to the FLO and MAC that there was an active fire at West Falls Church Yard. At approximately 14:11 hours, Fairfax County Fire Department was dispatched to West Falls Church Yard. The MOC Controller instructed the Assistant Superintendent to evacuate the building. The MTPD, Low Voltage Power Department and COMM personnel were notified and dispatched to West Falls Church – Building F.

At approximately 14:14 hours, the FLO received notification from the Fairfax Fire Department that they were en route to West Falls Church Yard. At approximately 14:16 MTPD arrived at the incident site. At approximately 14:18 hours, Fairfax County Fire Department arrived at West Falls Church Yard – Building B. While observing the fire department response, the FLO noticed that some fire department personnel responded to the incorrect building and immediately notified the Battalion Incident Commander to reroute the fire department respond to Building F.

Upon arrival and entry into the Mechanical Room in Building F the Fire Department determined that the fire was contained within the water heater, extinguished the fire and noted that no

structural damage occurred. Building F at West Falls Church Yard was cleared for employee reentry.

The WMSC event notification did not occur until April 8, 2022, following a review of the event report from the WMATA Fire Marshal that noted the building evacuation. The MAC on duty at the time of the event reported that they were unaware that building evacuations at rail yards were reportable as A-4 events if they did not impact rail service or mainline operations.

SAFE Investigators reviewed Maximo records for any similar failures of water heaters. No records of water heater fires were identified. There were no active manufacturer recalls for this brand of water heater. The Office of Plant Maintenance reported that the water heaters are installed by licensed, Master Plumbers and there is no requirement for additional inspection after installation.

Chronological Event Timeline

A review of ARS playback, i.e., phone and radio communications, revealed the following timeline:

Time	Description
14:07 Hours	The PLNT Assistant Superintendent activated the fire alarm and the building was evacuated.
14:08 Hours	MOC PLNT received a call from the Assistant Superintendent of PLNT Maintenance reporting fire from the water heater at West Falls Church.
14:11 Hours	Cintas Fire Alarm Monitoring contacted an MOC Maintenance Controller and advised that the fire department had been dispatched to West Falls Church Yard. The MOC Maintenance Controller notified the Maintenance Manager. The ROCC OM notified the ROCC Information Manager.
14:13 Hours	MOC confirmed that Power personnel were located at the incident site
14:16 Hours	MOC confirmed that Office of Communications (COMM) personnel were located at the incident site.
14:18 Hours	Fairfax County Fire Department arrived and reported that the alarm was due to smoldering insulation around the water heater.
14:48 Hours	Building F was cleared for re-entry and the Fairfax County Fire Department departed the incident site.
15:45 Hours	PLNT disconnected the water heater unit.

***Note: Times above may vary from other system's timelines based on clock settings and reporting source.*

Interview Findings

As part of the investigation launched into the Evacuation for Life Safety Reasons (Fire/Smoke) event, SAFE conducted three interviews via Microsoft Teams, including the Investigations Team and the WMSC. The interviews were conducted four days after the event and identified the following key findings associated with this event. Findings detailed below include reported information from interviews and written statements that may conflict with other data sources contained in the report.

PLNT Equipment Supervisor

The PLNT Equipment Supervisor stated that the water heater is located down the hall from where they are located in the building in a separate room. Another employee noticed smoke and reported it to them. The PLNT Equipment Supervisor stated that they walked around the water heater's

area and noticed smoke emitting from the water heater. He looked at the panel on the bottom and noticed a reflection of flames on the ground and turned the power to the water heater off. The PLNT Equipment Supervisor stated that they went to report the event to the Superintendent. They returned to the water heater with the Superintendent and determined that they would not be able to open the unit to get to the panel. The PLNT Equipment Supervisor stated that they decided to call for help. They pulled the fire alarm lever and made sure everyone cleared the building. The PLNT Equipment Supervisor stated that the Superintendent called for the fire department and they waited until everything was clear.

PLNT Equipment Assistant Superintendent

The PLNT Equipment Assistant Superintendent stated that the building includes personnel from the PLNT Maintenance, Grounds Maintenance and Custodial (GMAC), Power, ATCM, and Landscaping. The PLNT Equipment Assistant Superintendent stated that there is a green Rail Maintenance Machine (Track Geometry Vehicle) that is stored on the tracks inside the building. At approximately 2:00 pm, they were notified by a Supervisor that there was a fire. The PLNT Equipment Assistant Superintendent stated that they headed to the mechanical room and ensured the power was off. They noticed that smoke was still emitting from the water heater. They had the fire extinguisher on hand but did not use the fire extinguisher. The PLNT Equipment Assistant Superintendent stated that there were no issues reported regarding the water heater in the past. There were approximately 20 people that were in the building at the time, and they were evacuated. The PLNT Equipment Assistant Superintendent stated that they activated the fire alarm, and the sprinkler system did not activate. They contacted MOC and their Supervisor to report the smoke and waited for the fire department to arrive.

ROCC Operations Manager

The ROCC Operations Manager stated that they walked over to MOC because they heard that MOC was talking about a fire. The ROCC Operations Manager stated that MOC confirmed that they were on the phone with personnel from West Falls Church (WFC) because the fire alarms were activated. They asked if the fire department was notified, MOC said the automated fire alarm from Cintas dispatched the fire department. The ROCC Operations Manager stated that they went to confirm with the Fire Liaison if they had a dispatch from Fairfax County Fire Department and the Fire Liaison confirmed that the fire department was dispatched. The ROCC Operations Manager stated that they called the Administrative Building at West Falls Church to inform them of what was happening. The ROCC Operations Manager stated that they reviewed the CCTV with the Fire Liaison and MAC and was able to view the fire department arrival and noticed some fire department units stopped at the wrong building. The ROCC Operations Manager stated that the Fire Liaison contacted the fire department and re-routed the fire department to the correct building.

Facilities Engine Mechanic

According to the Facilities Engine Mechanic's written statement: "My office is below the water heater area. I noticed a smell of what I thought was electric wire burning for about 5-10 mins. The smell was very faint, and I couldn't pinpoint where to find the source of the smell. It was around 2:00pm and some of the other guys were coming in from the field to get ready to go home. Someone else mentioned the notice of the odor in the shop area. I was looking around and the smell was getting stronger. I noticed a flash of light but didn't think there was anyone working in

that area. While focusing on that area, I saw light smoke not thick or visible at that point. Then I went up to the Supervisor's office and asked if his crew was working somewhere above my office. I explained why and we went to check it out. We located the fire/smoke at the water heater, the breaker was shut down and I evacuated the area."

Mission Assurance Coordinator

According to the Mission Assurance Coordinator's written statement: "I was notified by the Operations Manager that there was a fire alarm at the WFC Yard in Building F. The Operations Manager stated it was a water heater smoking. Cintas reported an AFA to FCFRD-911 center dispatching the Fire Department to Building B. The Operations Manager was contacted directly by someone at Building F. I saw on the CCTV that the Fire Department was at the wrong building and directed the Fire Liaison to contact them and advise that the fire was in Building F. The Fire Engine relocated, and the Battalion Chief acknowledged the correct location. The remaining Fire Department resources responded to Building F. I provided a few updates to MTPD and the Fire Department with the status of various WMATA personnel responding to the call.

Weather

On April 4, 2022, at the time of the incident, NOAA recorded the temperature as 54° F, and mostly cloudy. Weather was not a contributing factor in this incident (Weather source: NOAA – Location: West Falls Church, VA)

Human Factors

Fatigue

The biomathematical fatigue modeling application (SAFTE-FAST Web SFC) was not applied for this event.

Post-Incident Toxicology Testing

Post-Incident Toxicology Testing was not conducted for this event.

Findings

- The manual fire alarm was activated by personnel on-site.
- The sprinkler system located directly above the area of fire origin did not activate, indicating that a significant heat event did not occur.
- Fairfax County Fire Department was notified and dispatched by Cintas Fire Protection.
- WMSC notification of the event was not provided from the MAC on the date of the event.
- Reports of the fire/smoke event were received by the WMATA Fire Marshal on 04/06/2022 via Cintas Fire Protection.
- The Fire Marshal performed a preliminary inspection of the incident scene on 04/07/2022.
- An inspection of the electric water heater revealed overheated electrical conductors. All electrical conductors were damaged and indicated that the fire occurred near the center of the unit. Smoke was generated from the overheated electrical conductors' and spread

throughout the unit and the second floor of the building. Fire and smoke damage were contained to the interior of the electric hot water heater.

- No fire or smoke damage to the building structure.
- Water Heaters are designated as Run to Failure equipment.

Immediate Mitigation to Prevent Recurrence

- Power to the unit was disconnected by the initial observing personnel.
- Fairfax County Fire Department was dispatched and extinguished the fire.
- The water heater was fully disconnected after receiving the All Clear from the Fire Department.

Probable Cause Statement

The probable cause of the Evacuation for Fire Life Safety Reasons (Fire/Smoke) event was mechanical failure of a water heater that was in service beyond it's expected useful life. The failure was the result of overheated electronic conductors within the water heater's interior, causing internal fire damage to the control wiring, element connections, and insulation.

SAFE Recommendations/Corrective Actions

Corrective Action Code	Description	Responsible Party	Estimated Completion Date
99653_SAFE CAPS_OEP_001	Refresher of procedures of Safety Event Notification for MAC.	SAFE/OEP	Completed
99653_SAFE CAPS_OEP_002	Emergency Action Plan Program Review	OEP/FM	12/31/2022
99653_SAFE CAPS_WFC_001	Conduct a Fire Drill for remaining buildings at West Falls Church	WFC LSC	12/31/2022
99653_SAFE CAPS_PLNT_001	Establish a record of installed water heaters upon conception.	PLNT	Completed

Appendices

Appendix A – Interview Summary

PLNT Equipment Supervisor

The PLNT Equipment Supervisor stated that they supervise 11 personnel and maintain equipment for the West Falls Church region. The PLNT Equipment Supervisor stated that the water heater is located down the hall from where they are located in the building in a separate room. Another employee noticed smoke and reported to them that something was smoking. The PLNT Equipment Supervisor stated that they walked around to the area where the water heater was located and noticed smoke emitting from the water heater and looked at the panel on the bottom and noticed a reflection of flames on the ground and turned the power to the water heater off. The PLNT Equipment Supervisor stated that they went to report the event to the Superintendent. They returned to the water heater with the Superintendent and determined that they would not be able to open the unit to get to the panel. The PLNT Equipment Supervisor stated that they decided to call for help at that point. They pulled the fire alarm lever and made sure everyone cleared the building. The PLNT Equipment Supervisor stated that the Superintendent called for the fire department and they waited until everything was clear.

PLNT Equipment Assistant Superintendent

The PLNT Equipment Assistant Superintendent stated that the building includes personnel from the PLNT Maintenance, GMAC, Power, ATC and Landscaping. The PLNT Equipment Assistant Superintendent stated that there is a green Rail Maintenance Machine that is stored on the tracks inside the building. At approximately 2:00 pm, they were notified by a Supervisor that there was a fire. The PLNT Equipment Assistant Superintendent stated that they headed to the mechanical room and ensured the power was off and they noticed that smoke was still emitting from the water heater. They had the fire extinguisher on hand and did not have to use the fire extinguisher. The PLNT Equipment Assistant Superintendent stated that there were no issues reported regarding the water heater in the past. There were approximately 20 people that were in the building at the time and they were evacuated. The PLNT Equipment Assistant Superintendent stated that they activated the fire alarm and the sprinkler system did not activate. They contacted MOC and their Supervisor to report the smoke and waited for the fire department to arrive.

ROCC Operations Manager

The ROCC Operations Manager stated that they were on duty at 2:00 pm and there was a shift change occurring during the event. They walked over to MOC because they heard that MOC was talking about a fire. The ROCC Operations Manager stated that MOC confirmed that they were on the phone with personnel from WFC because the fire alarms were activated. They asked if the fire department was notified, MOC said the automated fire alarm from Cintas dispatched the fire department. The ROCC Operations Manager stated that they went to confirm with the Fire Liaison if they had a dispatch from Fairfax County Fire Department and the Fire Liaison confirmed that the fire department was dispatched. The ROCC Operations Manager stated that they called the Administrative Building at West Falls Church to inform them of what was happening. The ROCC Operations Manager stated that they reviewed the CCTV with the Fire Liaison and MAC and was able to view the fire department arrival and noticed the fire department stopped at the wrong building. The ROCC Operations Manager stated that the Fire Liaison contacted the fire

department and re-routed the fire department to the correct building. The ROCC Operations Manager stated that the MAC was assisting and looking at the cameras. The ROCC Operations Manager stated that the notifications to the MAC are usually verbal, however, in the past they have been instructed to follow up with an email or phone call to ensure that the MAC is notified of events. The ROCC Operations Manager stated that they did verbally notify the MAC of the event and were actively working through the event with the MAC. As such, they did not provide an email or phone call to the MAC for this event.

Facilities Engine Mechanic

According to the Facilities Engine Mechanic's written statement: My office is below the water heater area. I noticed a smell of what I thought was electric wire burning for about 5-10 mins. The smell was very faint, and I couldn't pinpoint where to find the source of the smell. It was around 2:00 pm and some of the other guys were coming in from the field to get ready to go home. Someone else mentioned the notice of the odor in the shop area. I was looking around and the smell was getting stronger. I noticed a flash of light but didn't think there was anyone working in that area. While focusing on that area, I saw light smoke not thick or visible at that point. Then I went up to the Supervisor's office and asked if his crew was working somewhere above my office. I explained why and we went to check it out. We located the fire/smoke at the water heater, the breaker was shut down and I evacuated the area.

Mission Assurance Coordinator

During the informal interview, the MAC acknowledged that they were not aware of the requirement to provide a notification of this event according to the WMSC Reporting Matrix.

According to the Mission Assurance Coordinator's written statement: I was notified by the Operations Manager that there was a fire alarm at the WFC Yard in Building F. The Operations Manager stated it was a water heater smoking. Cintas reported an AFA to FCFRD-911 center dispatching the Fire Department to Building B. The Operations Manager was contacted directly by someone at Building F. I saw on the CCTV that the Fire Department was at the wrong building and directed the Fire Liaison to contact them and advise that the fire was in Building F. The Fire Engine relocated, and the Battalion Chief acknowledged the correct location. The remaining Fire Department resources responded to Building F. I provided a few updates to MTPD and the Fire Department with the status of various WMATA personnel responding to the call.

Appendix B – MTPD Responding Officer Report

Officer Report Number: O-2022-01576-0001

METRO TRANSIT POLICE

Officer Report

Administrative

MTP - METRO TRANSIT POLICE

Officer Report Number	O-2022-01576-0001	Verification	BUILDING
Case Number	2022-01576	Verification Level	Verified
Subject	FIRE ALARM	Jurisdiction	1
Disposition	Closed	Grid	Fairfax County
Officer Report Status		Sector	22
Entered On	4/4/2022 3:10:42 PM	Map	MSA3
Entered By	[REDACTED]	Beat	WEFC
Reported On	4/4/2022 2:18:00 PM	Census/Geo Code	
Reporting Officer	[REDACTED]	Call Source	
Reporting Agency	MTP - METRO TRANSIT POLICE	Related Cases	
Report Type	Closed	Means	
Assisted By		Other Means	
Occurred On (Date and Time)	Monday 4/4/2022 2:16:00 PM	Motives	
Or Between (Date and Time)		Other Motives	
Address	7251 F Idylwood Rd	Vehicle Activity	
CSZ	FALLSCHURCH, VA 22043	Direction Vehicle Traveling	
Location Name	WEST FALLS CHURCH YARD PLANT MAINT	Cross Street	
		Notified	

For Exceptional Clearances

Clearance Basis

Exceptional Clearance Date

Narrative

Offenses

Offense	IBR Code
Code Section	IBR Group

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Information in this report will not be used for statistical purposes.

Document 1 – MTPD Officer Report, Page 1 of 3

Incident Date: 04/04/2022 Time: 14:05 hours
Final Report – Evacuation for Life Safety Reasons
E22206

Drafted By: SAFE 707 – 06/03/2022
Reviewed By: SAFE 71 – 06/03/2022
Approved By: SAFE 71 – 07/21/2022

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Officer Report Number: O-2022-01576-0001

METRO TRANSIT POLICE

Crime Against
UCR Hierarchy
Location Type
Completed
Hate/Bias
Domestic Violence
Premises Entered

Government/Public Building

Entry
Using
Weapons
Criminal Activity
Type Security
Tools

Offenders _____

Victims _____

Witnesses _____

Other Entities _____

Properties _____

Property Other

Photo Date:

IBR Type	77	Condition	
UCR Type	Miscellaneous	Identifying Marks	
Description		Bicycle Make	
Status	Burned (Includes Damage Caused In Fighting The Fire)	Bicycle Model	
Count	1	Bicycle Speed	
Value		Bicycle Wheel Size	
Manufacturer		Color	
Model		Recovered Date	
Serial Number\VIN		Owner	
Owner Applied Number		Disposition	destroyed
Finish		Evidence Tag	

Vehicle Information

Vehicle Type	Odometer Reading
Vehicle Year	Body Style

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Information in this report will not be used for statistical purposes.

Document 2 - MTPD Officer Report, Page 2 of 3

Incident Date: 04/04/2022 Time: 14:05 hours
Final Report – Evacuation for Life Safety Reasons
E22206

Drafted By: SAFE 707 – 06/03/2022
Reviewed By: SAFE 71 – 06/03/2022
Approved By: SAFE 71 – 07/21/2022

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Officer Report Number: O-2022-01576-0001

METRO TRANSIT POLICE

License Number	HIN
License Exp. Date	Hull Shape
License State	Propulsion
Boat Name	Boat Length
Boat Type	

Color Type	Color
PR-Primary	GRY-Gray

Drug Information

Drug Type
Drug Quantity
Drug Measure

Notes

waterheater destroyed.

Printed 4/12/2022 3:54 PM

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Information in this report will not be used for statistical purposes.

Document 3 - MTPD Officer Report, Page 3 of 3

Incident Date: 04/04/2022 Time: 14:05 hours
Final Report – Evacuation for Life Safety Reasons
E22206

Drafted By: SAFE 707 – 06/03/2022
Reviewed By: SAFE 71 – 06/03/2022
Approved By: SAFE 71 – 07/21/2022

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Appendix C – Fire Alarm Log

System#	Date	Event/Op Action	SignalCode	Zone	Description	User Name	ANI	Area	Comment	Alarm#	Sched Date
H460411	04/06/2022 03:13:32	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/06/2022 03:43:34	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/07/2022 03:02:52	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/07/2022 03:32:40	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/06/2022 03:52:17	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/06/2022 03:22:00	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/05/2022 02:50:43	Full Clear - Premises Notified								30065	
H460411	04/05/2022 02:50:43	Premises call recipient notified								30065	
H460411	04/05/2022 02:50:41	Call-Contact Made		Premises	Account				Call Disposition = OK	30065	
H460411	04/05/2022 02:50:15	Dial Phone		202-962-1700						30065	
H460411	04/05/2022 02:50:10	Call-Recipient Hung Up		Premises	Account				Call Disposition = Hung Up	30065	
H460411	04/05/2022 02:49:45	R354 - RESTORAL- FAILURE TO COMMUNICATE	R354	T2						30065	
H460411	04/05/2022 02:49:15	Dial Phone		202-962-1700						30065	
H460411	04/05/2022 02:49:14	R354 - RESTORAL- FAILURE TO COMMUNICATE	R354	T2						30065	
H460411	04/05/2022 02:49:10	Access on Dispatch Window								30065	
H460411	04/05/2022 02:49:08	Send event to IVR for processing - XDR override							Queue Timer: Expedited Processing (5)	30065	
H460411	04/05/2022 02:49:06	E354 - FAILURE TO COMMUNICATE EVENT	E354	T2						30065	
H460411	04/05/2022 02:46:58	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0						30065	
H460411	04/05/2022 02:46:35	E354 - FAILURE TO COMMUNICATE EVENT	E354	T2						30065	
H460411	04/05/2022 02:11:43	E608 - PERIODIC TEST WITH SYSTEM TROUBLE	E608	TT0							
H460411	04/04/2022 14:37:08	R110 - RESTORAL- FIRE	R110	1	Fire						
H460411	04/04/2022 14:23:29	Full Clear - Actual Alarm Condition								74735	
H460411	04/04/2022 14:23:28	Access on Dispatch Window								74735	
H460411	04/04/2022 14:23:25	Pending Supervisor Approval							AF	74735	
H460411	04/04/2022 14:23:11	NoDirEmail - No Email or Fax Recipients for Dealer							No Email Address	74735	
H460411	04/04/2022 14:23:11	Email/Fax Dealer								74735	
H460411	04/04/2022 14:23:10	Call-Answering Machine/Voicemail - Message Left		Site Group	Ontas 2, Inc DBA Ontas Fire Protection					74735	
H460411	04/04/2022 14:21:40	Dial Phone								74735	
H460411	04/04/2022 14:21:08	Comment								74735	
H460411	04/04/2022 14:20:55	Access on Dispatch Window								74735	
H460411	04/04/2022 14:20:52	AAC - ACTUAL ALARM							WE RECEIVED FIRE ALARM AND NOTIFIED WHO STATED THE WATER HEATER IS ON FIRE AND POWER DEPARTMENT CREW IS ON SITE. WE DISPATCHED THE FIRE DEPARTMENT.	74735	
H460411	04/04/2022 14:17:19	Comment							CORRECTION: NTFD GILL INFORMED THAT WATER HEATER IS ON FIRE.	74183	
H460411	04/04/2022 14:16:42	FD updated-Agency Contact Made - FD updated		Fire Department	FAIRFAX, VA FIRE					74183	
H460411	04/04/2022 14:16:42	Call-Agency Contact Made - FD updated		Fire Department	FAIRFAX, VA FIRE				SPOKE TO MALE W/ONSITE INFORMATION.	74183	
H460411	04/04/2022 14:14:43	Dial Phone								74183	
H460411	04/04/2022 14:14:36	Call-Contact Made		Premises	Account				SPOKE TO STS POWER DEPARTMENT ON SITE.	74183	
H460411	04/04/2022 14:13:10	Dial Phone								74183	
H460411	04/04/2022 14:12:51	Premises call recipient notified								74183	
H460411	04/04/2022 14:12:51	Call-Contact Made		Premises	Account				NTFD	74183	
H460411	04/04/2022 14:11:35	Dial Phone								74183	
H460411	04/04/2022 14:11:29	Fire department dispatching-Agency Contact Made - FD dispatching		Fire Department	FAIRFAX, VA FIRE					74183	
H460411	04/04/2022 14:11:29	Call-Agency Contact Made - FD dispatching		Fire Department	FAIRFAX, VA FIRE				364184	74183	
H460411	04/04/2022 14:07:48	Dial Phone								74183	
H460411	04/04/2022 14:07:31	Access on Dispatch Window								74183	
H460411	04/04/2022 14:07:17	FIRE - FIRE ALARM	E110	1	Fire					74183	

Incident Date: 04/04/2022 Time: 14:05 hours
 Final Report – Evacuation for Life Safety Reasons
 E22206

Drafted By: SAFE 707 – 06/03/2022
 Reviewed By: SAFE 71 – 06/03/2022
 Approved By: SAFE 71 – 07/21/2022

Appendix D - Water Heater Manufacturer Information

**COMMERCIAL**

SANDBLASTER®

Commercial Electric Water Heaters

With Automatic Self-Cleaning

State's Sandblaster® is the original Self-Cleaning commercial electric water heater, with a proven design that automatically reduces sediment build-up, the number one threat to any water heater's life expectancy and energy efficiency.



Sandblaster electric water heaters are equipped with a cold water inlet tube that directs incoming cold water to create Self-Cleaning turbulence in the tank. Self-Cleaning action keeps sediment in suspension, so it does not get a chance to settle down, and is harmlessly carried out when hot water is drawn. With reduced sediment build-up, Sandblaster retains its rated efficiency longer, lasts longer, and helps keep water heating costs down!

Other Sandblaster commercial electric water heater features include:

- **Glass-Lined Tank** – Three sizes: 50, 80 and 119-gallon capacity. Tank interior is coated with glass specially developed for water heater use. Tanks rated at 150 psi (1034 kPa) working pressure. Foam insulation reduces costly heat loss and is vermin proof.
- **Elements** – Incoloy sheathing for longer life. Low watt density means lower surface temperature to minimize scale build-up and more surface to heat water. Element sizes from 3 to 6 kW. Use 3, 6 or 9 elements standard; total of 9 to 54 kW input (see chart on page 3).
- **Fusing** – Protects all elements, thermostat, and internal wiring circuits against excess current flow. Meets National Electric Code requirements that non-ASME tanks must have internal fusing when current draw exceeds 48 amps.
- **Standard Voltages** – 208, 240 and 480V single-phase and three-phase delta. Convertible from three-phase to single-phase (in field) and vice versa. 277V single-phase also available.
- **Terminal Block** – Factory installed. Just bring the service to the heater and connect to block.
- **Controls** – Available with either immersion (IFE models) or surface thermostat (SFE models). Immersion temperature control adjustable through a range of 60°F to 180°F. Manual reset high temperature cutoff. Surface mount models have one temperature control (adjustable through a range of 120°F to 180°F) and manual reset high temperature cutoff per element. Thermostat stop control may be achieved by varying settings on individual temperature controls. All controls located behind hinged control compartment door for quick, easy access.

The Superior Sandblaster Warranty

Every Sandblaster is covered by a 3-year standard warranty against tank leaks. An optional 5-year extended tank warranty is also available on 50, 80 and 119-gallon models. Unlike other manufacturers, State has so much confidence in Sandblaster's superior construction and Self-Cleaning design, there is no "fine print" excluding failure caused by sediment build-up in either the standard 3-year or optional 5-year extended warranty.

For more information on the Sandblaster® contact:
State Water Heaters
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800-365-0034 Toll-free USA
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SOL 530 030-B

SOLID.STATE.

