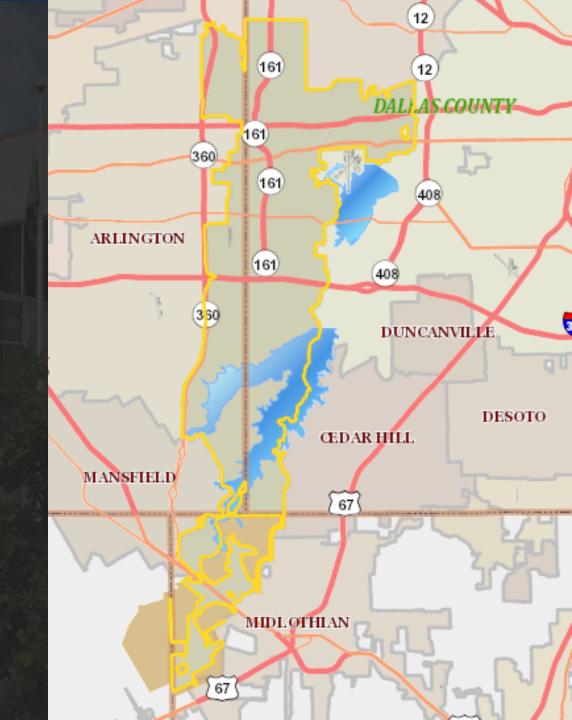


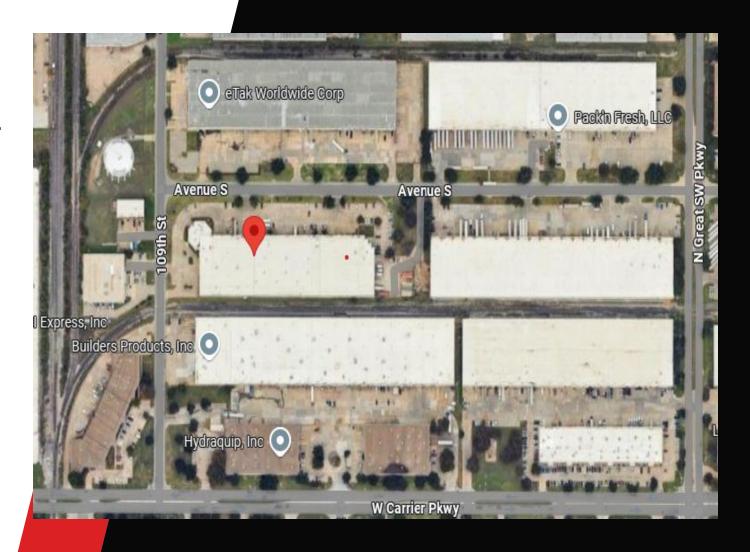
## City of Grand Prairie

- 220,000 population
- 11 Fire Stations
- All Hazards
- 35 Miles long/4 miles wide
- Border Dallas and Fort Worth
- Lake, Horse Track, Miles of highways,
   Airport, 3rd largest Industrial District



### **Building Issues**

- Large warehouse owned by a REIT
- One address divided into 3 separate buildings
- NO Certificate of Occupancy
- 2014 approved permits
- Importance of Inspections and pre-planning
- Auction/Amazon reseller
- Water Tower across street



September 3, 2024

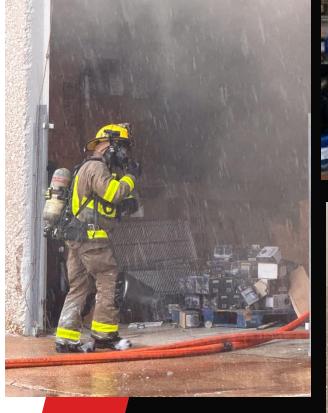
### 900 Block of Avenue S

- Mid morning warehouse fire
- 3 Engines, 2 Trucks, 1 MICU,
   2 BC's, and 1 air truck
- 24-28 staff on 1st alarm
- Under control in 38 Minutes



# Conditions and Operational Issues

- Heavy Smoke Charlie Side
- Hoarder like conditions inside
- Fire was a large pile of electric cords on pallets











## Importance of Sole Pumper to FDC

- Hydrant at FDC was OOS
- Water source used from Truck 8 to Engine 3, dual pumping
- Engine 3 was multi-pumping to several lines including FDC
- Pierce PUC Velocity (Pierce Ultimate Configuration)
- Foam lines are all or none

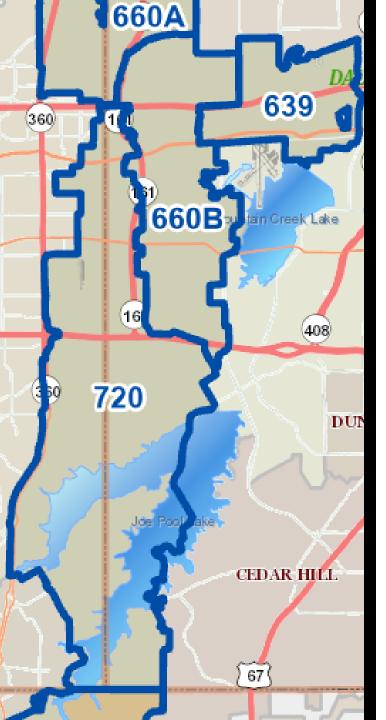




## SEQUENCE OF EVENTS

- Inside teams called for foam on the handline
- Driver of Engine 3 begins foam at .1% to handline
- Foam is also sent into the FDC
  @125 gpm
- Fire quickly goes out with foam and sprinkler head is flowing foam
- FDC water backflows into city system as check valve is bad

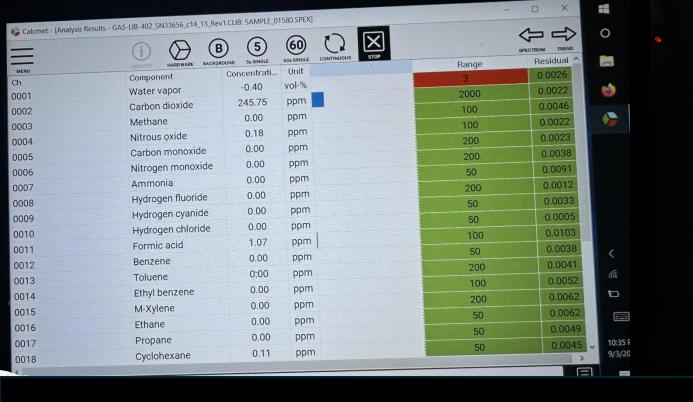
- Engine 3 uses 30 gallons of foam from 1 sprinkler head and 1 handline.
- Water tower across the street is full of foamy water
- Fire is out and we all hi five each other but little did we know.....



### AT CITY COUNCIL

- 911 calls begin
- "foamy water" is a common complaint
- Warehouse district issues
- Water Department begins to isolate
- ISOLATE=Shutting off water/planes helped isolate
- QUICKLY gets out of hand and we decide to activate a small EOC group
- TCEQ Conference call at 2230
- Haz Mat team sent to the area to test





	Results - GAS-LIB-402_SN33656_c14_13_Re	0 0			- o ×
MENU	HARDWARE BAC	B (5) KGROUND 50 SINGLE	60 () X		(==
Ch 0001	Component Water vapor	Concentrati.	STOP	Range	SPECTRUM TRENO Residual
0002 0003	Carbon dioxide Methane	202.82	ppm ppm	2000	0.0015
0004 0005	Nitrous oxide  Carbon monoxide	0.23	ppm ppm	100	0.0031
0006	Nitrogen monoxide Ammonia	0.00	ppm ppm	200	0.0023 0.0028
0008	Hydrogen fluoride Hydrogen cyanide	0.00	ppm	50 200	0.0085
0010	Hydrogen chloride Formic acid	0.00	ppm	50 50	0.0024
012 013	Benzene	0.00	ppm	100 50	0.0096
014	Toluene Ethyl benzene	0.00	ppm	200 100	0.0030 0.0041
015 016	M-Xylene Ethane	0.00	ppm ppm	200 50	0.0045 0.0055
017 018	Propane Cyclohexane	0.00 0.25	ppm ppm	50 50	0.0062 0.0050
019	Hexane	0.00	ppm	,50	0.0065

- Sample of Hydrant compared to Microblaze
- Statistical 99% match



### DO NOT USE WATER ADVISORY:

The City of Grand Prairie has detected a foaming agent in the water supply north of I20. Crews are currently investigating the issue and working to isolate the affected area. If you live north of I20 in Grand Prairie, please avoid using water other than for flushing until further notice.

The City will have bottled water distribution stations. Please visit **gptx.org** for specific locations. For questions regarding this matter, please contact 972-237-8400.

### Grand Prairie Residents: DO NOT USE TAP WATER; Fire Fighting Foam May be in Tap Water

Posted on September 4, 2024

Is there any indication this was an act of malice or terrorism?

Is anyone available to talk with us tonight/overnight?



# Communications and Messaging

- Harsh wording "DO NOT USE"
   Website page wasn't live with post
   Phone lines were not ready and
   were having issues with influx of
   calls
- Fire Information released
   without Fire PIO/Not included
   in City Communications
- Microblaze "slightly toxic"

# Challenges and Legal Claims

- 48 hours and all schools and restaurants closed
- Citizens googled Firefighting foam and wanted compensation
- Claims begin to flood online system
- Elected Officials





# Water Resources and Coordination

- Fire and PD helping hand out water
- Media Staging area
- Delivering to citizens signed up to SPEER
- Copied COVID vaccine and food give away
- Importance of tracking donations



## LESSONS LEARNED

- Sole source FDC Pumper
- Fire Engine Design
- One check valve away from IFSTA changes
- Non-PFAS Foam
- ONLY water into FDC
- Inspection Program
- Check Valve inspections

- State TCEQ
- EOC Activation, earlier the better
- Messaging strategy
- Legal Claims and process to track
- Water pick up/delivery/tracking
- Elected Officials and messaging