



**Broward Sheriff's Office
Cooper City District
10550 Stirling Rd.
Cooper City, FL 33026**

EXTERNAL MEMO

Date: 12-08-23

To: Mr. Ryan Eggleston
City Manager
City of Cooper City

From: Mr. Gary Harrington
Cooper City District Chief
Department of Fire Rescue and Emergency Services

Subject: Fire Chief's Report – Commission Meeting December 12, 2023

The following is the Fire Chief's report for the upcoming commission meeting. This report will follow the same flow of my prior reports, which is aimed at highlighting information pertinent to the city's main public safety concerns: Fire Rescue Incidents, Fire Apparatus/Station concerns, Fire Prevention, Community Outreach, and CERT.

I. Fire/Rescue Incident Report

- a. Total Fire Related Incidents 092
- b. Total Medical Related Incidents 198
- c. Total Incidents for November 290

Fastest Unit Response/Mutual Aid calls for November. Cooper City has responded outside its jurisdiction 20 times and has received outside emergency assistance 24 times.

The breakdown for each city is as follows:

	Pembroke Pines	Hollywood	Davie
BSO/Cooper City Responded outside its jurisdiction	05	01	14
Outside agencies responded to Cooper City	09	00	15

II. Incident Response Summary for November

Total responses	Incident responses < 6 min.	Incident responses 6 – 9 min.	Outliers > 9 min.	Incident responses canceled enroute
290	162	81	10	37

Fastest Response Time: 01:17 min.
 Longest Response Time: 12:02 min.
 Average Response Time: 05:37 min.

OUTLIERS:

The outliers above represent a small percentage of the total responses. Outliers occur for a number of reasons, and those reasons vary with each call.

Besides Station 28 units responding from another call, they can also be responding from the hospital or another jurisdiction (as part of the fastest unit response agreement), all of which can result in an outlier. This month reflects a fastest unit response of 1 minute, 17 seconds. This incident occurred at 10741 North Saratoga Drive. The responding apparatus, E28, was responding from a previous incident and was in the vicinity when it was dispatched. The longest response time was 12 minutes, 2 seconds. This incident was a repetitious commercial fire alarm at Primrose School, 8447 Sheridan Street. The occupants contacted dispatch to advise that they only needed assistance resetting the alarm panel as it was a false alarm. E28 responded code 1 (no lights or sirens).

Outliers are not isolated to Cooper City; they occur in all fire departments regardless of jurisdiction. Outliers are also not new to Cooper City as they have always existed. This is not a new issue or a BSO issue. This is an issue that exists in every city no matter who is providing fire/rescue services.

As I have previously discussed with the former City Manager, current City Manager, and the City Commission, I believe that the main reason for outliers is distance. Station 28 covers 8.5 square miles which is one of the largest areas covered by any one fire station in Broward County. The average square mile coverage area per fire station is between 4 or 5 square miles. Fire station coverage in Broward County in a sample of cities is as follows: 5.6 square miles for Pembroke Pines, 5.8 square miles for Davie, 5.4 square miles for Weston, 3.8 square miles for Lauderdale Lakes, 3.7 square miles for West Park/Pembroke Park, 2.0 square miles for Hallandale, and 4.0 square miles for Dania Beach. There are similar coverage areas for the remaining fire stations in Broward County; however, no fire station covers as large an area as Cooper City Fire Station 28.

The placement of fire stations and equipment dramatically impacts the effectiveness and efficiency of services provided by the fire department. I believe the best solution to potentially reduce outliers would be the addition of substations to provide faster service to the east and west areas of the city. The commission has the potential to provide for a more effective fire rescue service and possibly improve response times. If the commission would like to move forward, as in the past, I am happy to assist in any way possible.

III. Fire Apparatus/Station Report

The Contract between Cooper City and BSO states that the City will provide BSO the facilities to provide Fire Rescue Services and that the City is responsible for repair of the facilities.

The city has been advised since February 2023 that the fire station has roof leaks. The attempted repairs to fix the problems that caused the water leaks have not been successful. BSO personnel have been patient with this issue and have followed all direction suggested to them in order to eliminate air conditioner condensation by setting the air conditioner temperature at the recommended setting. The conditions these leaks have caused over the last ten months are at a critical point as mold and mildew is inside the station. The firefighters purchased a mold kit and took samples of multiple areas in the station. The Certificate of Analysis from Kapok Environmental Laboratories is attached as Exhibit "A". It is my understanding that a plan of action has been developed and the city will be having the roof contractor address the roof leaks and have an independent company test for mold and develop a remediation plan if necessary.

Fire Hydrant flushing project has been completed for 2023.

Total Hydrants:	1231
Flushed Hydrants:	1231
Out-of-Service Hydrants:	0
Pending:	0

IV. Apparatus Service Days for November

Unit	In-service days	Out-of-service days	Comments
Q28	23	7	Repair/Maintenance
E28	30	0	
R28	30	0	
R228	26	4	AC Repair
DC28	30	0	

V. Fire Prevention Report

- Fire Inspections: (Year to Date)
 - i. Total Properties 867
 - ii. Completed Inspections 157
 - iii. Nov 1 – Nov 30, Percentage 18.1%

- Monthly Report for November
 - i. Annual Fire Inspections: 24
 - ii. New Construction Insp: 21
 - iii. Plan Reviews: 06
 - iv. Re-inspections: 24
 - v. Special Events: 02

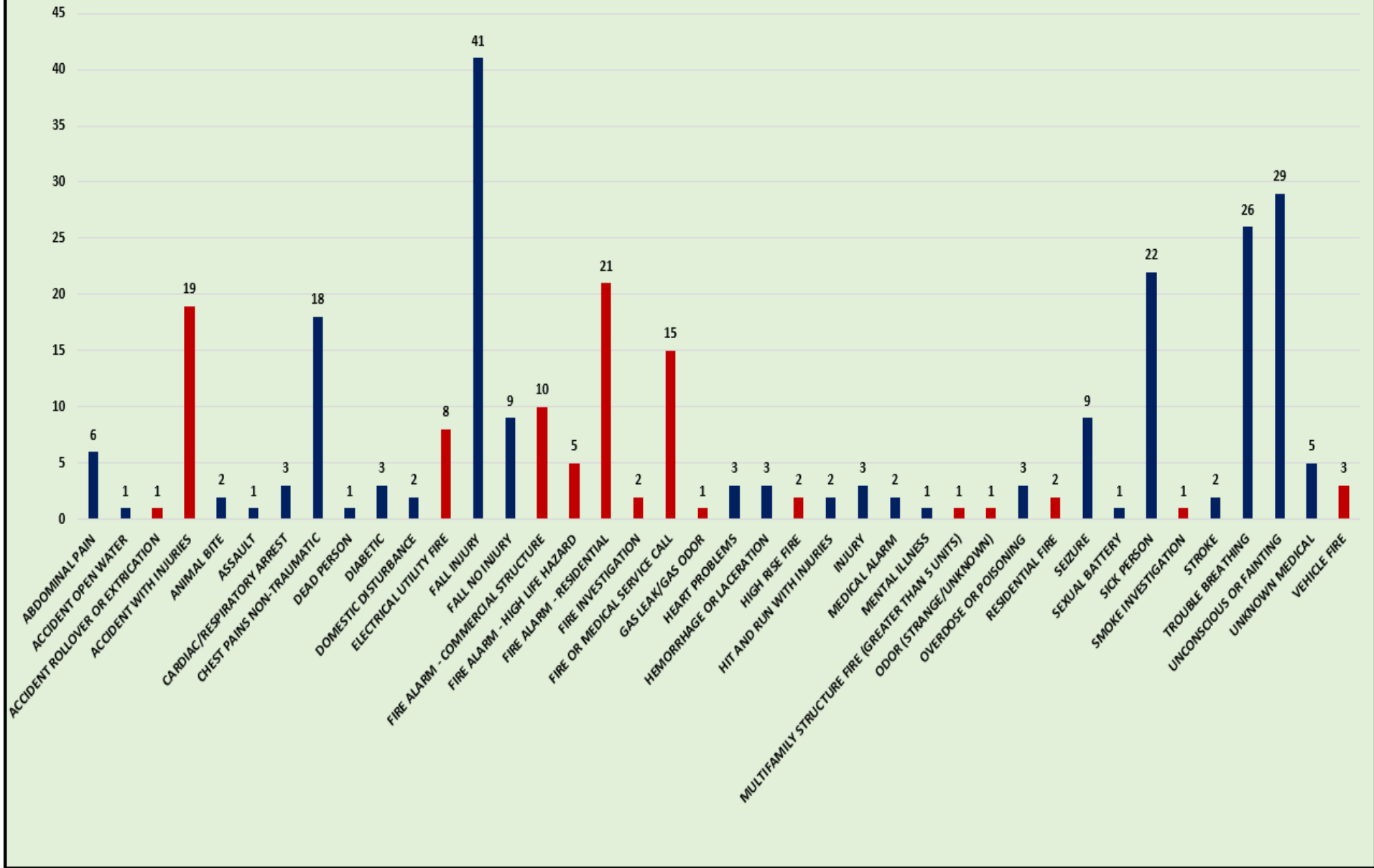
VI. Community Outreach Report

- November 1, 2023, Fire Prevention Safety Presentation with BSO Life Safety Educators and Quint 28 to Cooper City Christian Academy, 80 students attended.
- November 2, 2023, Fire Prevention Safety Presentation with BSO Life Safety Educators and Engine 28 to Renaissance Charter School, 130 students attended.
- November 3, 2023, Fire Prevention Safety Presentation with BSO Life Safety Educators and Quint 28 to Cooper City Elementary School, 140 students attended.
- November 3, 2023, Engine 28 to First Baptist Church, 20 students attended.
- November 3, 2023, Fire Prevention and CERT attended the “Eat to the Beat” event at Suellen H. Fardelmann Sports Complex. Approximately 500 people attended.
- Multiple dates during November, Chief Harrington met with representatives from various schools regarding the fire hydrant design project.
- November 28, 2023, Station 28 held it’s Santa sign-up registration. We met our 100-resident capacity for the December 16th and 17th Santa visit dates. The total amount raised for the program was \$5,820.00. We anticipate providing at least two scholarships in the amount of \$2,000.00 each this coming year for graduating high school students that are looking to pursue a career in the fire rescue service.

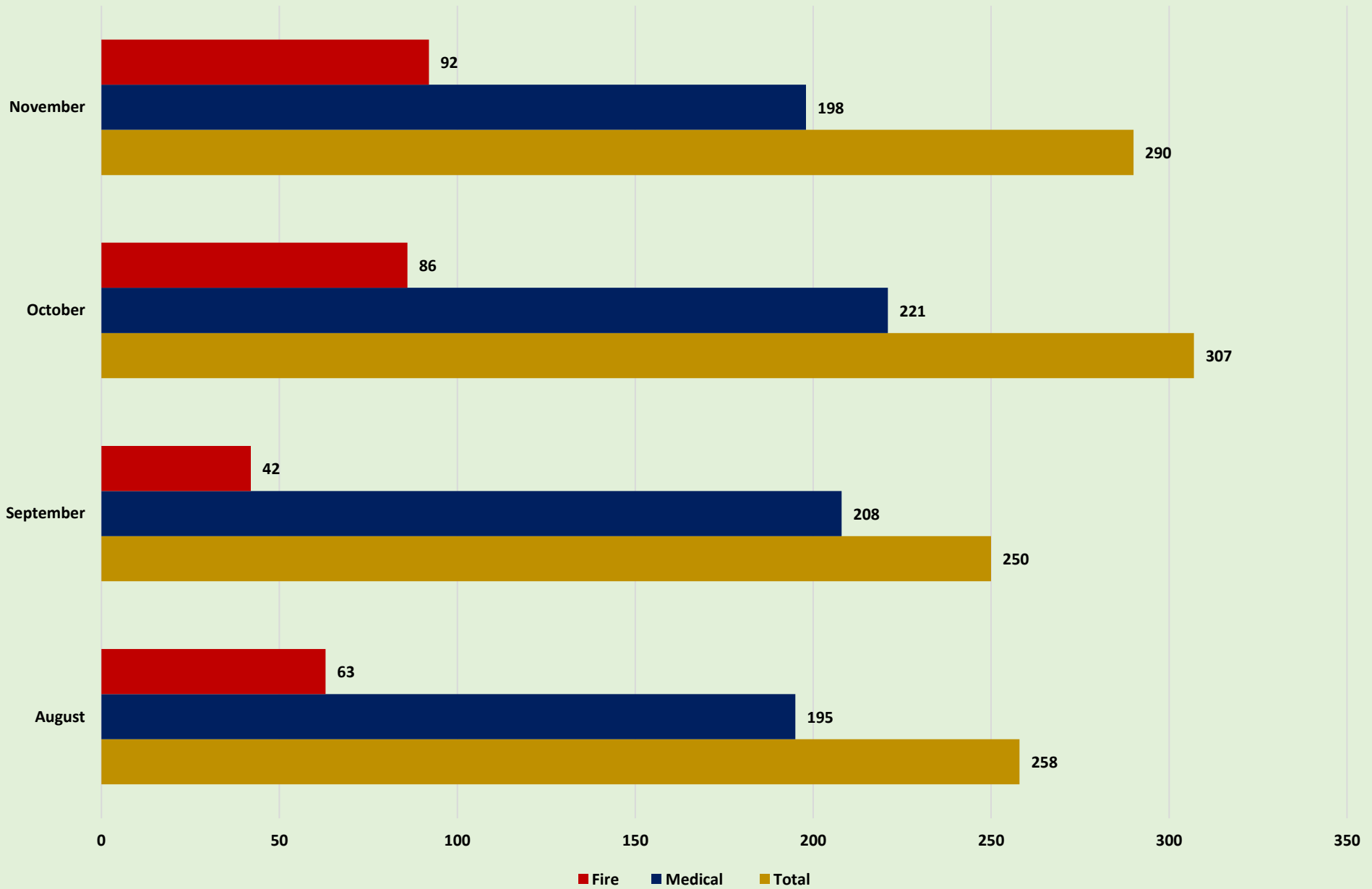
FIRE HYDRANT DESIGN UPDATE:

I have met with representatives from 5 schools and the utilities department is in the process of cleaning and painting the chosen hydrants white as a base coat. I have also met with the management of Sherwin Williams to secure the proper paint and supplies for the art students at a discounted rate. The students have begun painting their designs on the fire hydrants at Franklin Academy and Embassy Creek Elementary. Once completed, I will work with the remaining schools to establish a schedule for their students to participate in the program. The staff and students at all the schools I met with are very enthusiastic about this program. I am looking forward to this initial program being a success and then we will consider a possible expansion of this program.

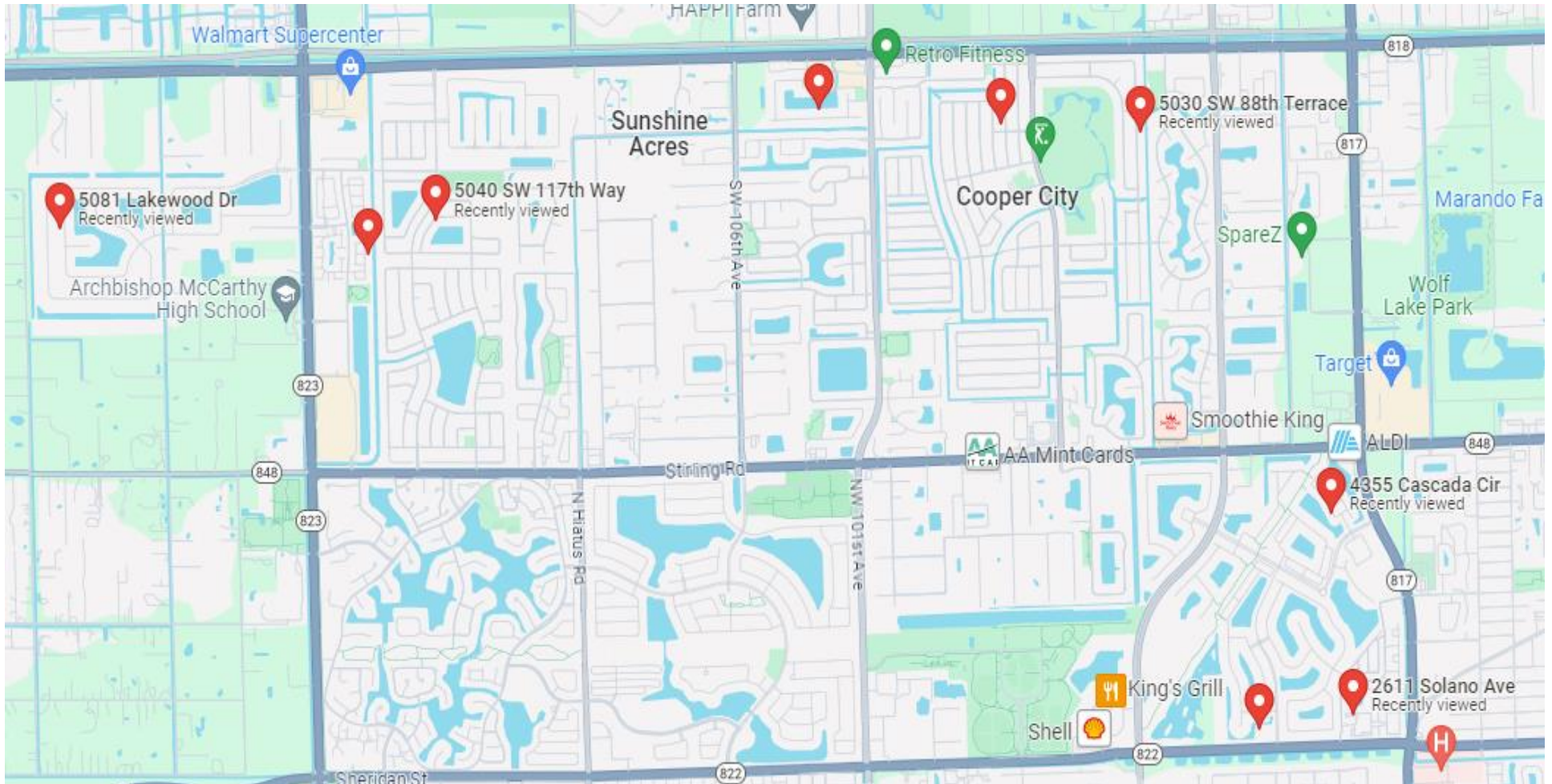
Fire and Medical Incidents



Monthly Fire and Medical Call Volumes



OUTLIERS



Address	Response time	Address	Response time
8447 Sheridan Street	12:02	5192 SW 121 Avenue	09:35
5081 Lakewood Drive	11:18	2611 Solano Avenue	09:35
4979 SW 90 Way	10:40	10221 SW 49 Manor	09:23
5040 SW 117 Way	10:18	5030 SW 88 Terrace	09:10
4355 Cascada Circle	09:46	8447 Sheridan Street	09:09

EXHIBIT A

Collected By: Grant Lasseter
Number of Samples: 4

Date Collected: 10/10/2023
Date Received: 10/19/2023
Date Analyzed: 10/23/2023
Date Reported: 10/23/2023



Project Location: N/A

Lab Sample Number:	854-01	854-02	854-03
Client ID Number:	Sample 1	Sample 2	Sample 3
Sample Location:	Bedroom	Living Room	Kitchen

Sample Type	Settling Plate	Settling Plate	Settling Plate
Media Used	Unknown	Unknown	Unknown
Sample Volume(m ³)	NA	NA	NA
Detection Limit (CFU/m ³):	1	1	1

	Raw Count	%	CFU/Unit	Raw Count	%	CFU/Unit	Raw Count	%	CFU/Unit
<i>Alternaria</i>	0	0	0	0	0	0	0	0	0
<i>Acremonium</i>	0	0	0	0	0	0	0	0	0
<i>Ascospores</i>	0	0	0	0	0	0	0	0	0
<i>Aspergillus</i>	2	25	2	4	5	4	0	0	0
<i>Basidiospores</i>	0	0	0	0	0	0	0	0	0
<i>Bipolaris/Dreschlera</i>	0	0	0	0	0	0	0	0	0
<i>Botrytis</i>	0	0	0	0	0	0	0	0	0
<i>Chaetomium</i>	0	0	0	0	0	0	0	0	0
<i>Cladosporium</i>	1	13	1	62	83	62	86	96	86
<i>Curvularia</i>	0	0	0	2	3	2	0	0	0
<i>Epicoccum</i>	0	0	0	0	0	0	0	0	0
<i>Fusarium</i>	0	0	0	0	0	0	0	0	0
<i>Geotrichum</i>	0	0	0	0	0	0	0	0	0
<i>Mucor</i>	0	0	0	3	4	3	2	2	2
<i>Nigrospora</i>	0	0	0	0	0	0	0	0	0
<i>Non Sporulating Fungi</i>	0	0	0	0	0	0	0	0	0
<i>Oidium/Peronospora</i>	0	0	0	0	0	0	0	0	0
<i>Paecilomyces</i>	0	0	0	0	0	0	0	0	0
<i>Penicillium</i>	0	0	0	2	3	2	0	0	0
<i>Pithomyces/Ulocladium</i>	0	0	0	0	0	0	0	0	0
<i>Rhizopus</i>	0	0	0	0	0	0	0	0	0
<i>Rusts</i>	0	0	0	0	0	0	0	0	0
<i>Smuts/Myxomycetes</i>	0	0	0	0	0	0	0	0	0
<i>Stachybotrys</i>	0	0	0	0	0	0	0	0	0
<i>Stemphylium</i>	0	0	0	0	0	0	0	0	0
<i>Trichoderma</i>	5	63	5	0	0	0	0	0	0
<i>Torula</i>	0	0	0	0	0	0	0	0	0
<i>Yeast</i>	0	0	0	2	3	2	2	2	2
<i>Other</i>	0	0	0	0	0	0	0	0	0
Total CFUs	8	100	8	75	100	75	90	100	90

Certificate of Analysis
 Fungi, Petri Dish Direct Exam/SOP IV.11.19
 AIHA-EMLAP ID#232034

Collected By: Grant Lasseter
 Number of Samples: 4

Date Collected: 10/10/2023
 Date Received: 10/19/2023
 Date Analyzed: 10/23/2023
 Date Reported: 10/23/2023



Project Location: N/A

Lab Sample Number:	854-04
Client ID Number:	Sample 4
Sample Location:	Front Entrance

Sample Type	Settling Plate
Media Used	Unknown
Sample Volume(m ³)	NA
Detection Limit (CFU/m ³):	1

	Raw Count	%	CFU/Unit						
<i>Alternaria</i>	0	0	0						
<i>Acremonium</i>	0	0	0						
<i>Ascospores</i>	0	0	0						
<i>Aspergillus</i>	17	23	17						
<i>Basidiospores</i>	0	0	0						
<i>Bipolaris/Dreschlera</i>	0	0	0						
<i>Botrytis</i>	0	0	0						
<i>Chaetomium</i>	0	0	0						
<i>Cladosporium</i>	12	16	12						
<i>Curvularia</i>	2	3	2						
<i>Epicoccum</i>	0	0	0						
<i>Fusarium</i>	0	0	0						
<i>Geotrichum</i>	0	0	0						
<i>Mucor</i>	0	0	0						
<i>Nigrospora</i>	0	0	0						
<i>Non Sporulating Fungi</i>	19	25	19						
<i>Oidium/Peronospora</i>	0	0	0						
<i>Paecilomyces</i>	0	0	0						
<i>Penicillium</i>	3	4	3						
<i>Pithomyces/Ulocladium</i>	1	1	1						
<i>Rhizopus</i>	0	0	0						
<i>Rusts</i>	0	0	0						
<i>Smuts/Myxomycetes</i>	0	0	0						
<i>Stachybotrys</i>	0	0	0						
<i>Stemphylium</i>	0	0	0						
<i>Trichoderma</i>	0	0	0						
<i>Torula</i>	0	0	0						
<i>Yeast</i>	21	28	21						
<i>Other</i>	0	0	0						
Total CFUs	75	100	75						

Certificate of Analysis
Fungi, Petri Dish Direct Exam/SOP IV.11.19
AIHA-EMLAP ID#232034

Collected By: Grant Lasseter
Number of Samples: 4

Date Collected: 10/10/2023
Date Received: 10/19/2023
Date Analyzed: 10/23/2023
Date Reported: 10/23/2023



Project Location: N/A

- CFU: Colony-Forming Unit.
- No discernable Blank Sample(s) Was Summited.
- Genus Level Identification only.

Handwritten signature of Leila Karimi in black ink.

Leila Karimi- Analyst

Handwritten signature of Sina Heydari in black ink.

Sina Heydari – Senior Microbiologist

The results are indicated by samples taken at a given time and may not be representative of other locales and time frames. A 3-day minimum turnaround time period may not be suitable for the slow sporulating specimens. In this event, an accurate classification may not be made further than "Non- sporulating fungi". Heavily loaded samples may have intense growth that may pose a bias for quantifying total CFU's, as blending of colonies may occur. Other specimens may not be likely to remain dispersed in the air, while others do not easily grow in the laboratory due to biologically competitive conditions (STP). Unless otherwise requested, culturable air sample results are not corrected using a particle correction chart when appropriate data is provided. When necessary, dilutions and dilution factors may be applied to results to assist with CFU ID and quantification and are listed as additional notes. The limit of detection is defined as 1 spore or 1 cfu/plate. For air samples, the analytical sensitivity for this method is calculated as 1 observation multiplied by ((1000L / volume of air samples (L)) × 1/m3). For bulk/swab samples, the analytical sensitivity is calculated as 1 cfu per cm2 or 1 cfu when no unit measurement is requested. For dilutable samples (like Food), the analytical sensitivity is calculated as 1 cfu per gram or 1 cfu when no unit measurement is requested. Results are reported as "Present" if quantitative results are denied. Interpretation is left to those requesting testing. The accuracy of digit reporting for automated calculations is dependent on the least accurate measurement, SOP IV.4.7m/8m= Culturable Air, SOP IV.4.9m/10m=Culturable Bulk/Surface sample, ND= None Detected.

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Kapok Environmental Laboratories (Kapok Inc.)
 3510 E Enterprise Dr
 Anaheim, CA 92807

CHAIN OF CUSTODY
 Please include a check to Kapok Inc
 for \$42 per petri dish mailed in

Company/Client: _____ Project address: _____
 Contact: _____
 Client Project ID: _____ Results will be e-mailed. Failure to write your
 e-mail address will result in delays!
 Phone: _____

E-mail: GrantLasseter@gmail.com

Sampling Date
Lab No. (lab use only)
854
Turnaround Requested*
Standard
5 Days

Sample ID	Sample Date	Sample Description/Location	Sample Type**	Volume	Analysis Type***	Sampling Comments
Sample 1	10/10/23	Bedroom	CA	NA	DME	
Sample 2	10/10/23	Living Room	CA	NA	DME	
Sample 3	10/10/23	Kitchen	CA	NA	DME	
Sample 4	10/10/23	Front Entrance				

Submitted by (print) Lela Kapok Date/Time _____ Signature _____
 Received by (print) _____ Date/Time 10/19/23 Signature _____

****Sample Types:** NC (non-culturable - spore trap); DME (direct microscopic count); PT (particulates A1); PIS (Particulate S01 only); CAF (colurable air - fungi); PS (Penicillium species); FS (Fungal spore ID all colonies); PC (E. coli, coliform); ST (Staph/Stereo trap); P (petri dish); D (dust, vacuum); B (bulk); TOF (Thermophilic Opportunistic Fungi)

B: Bacteria; Total Coliform and E. coli; Absent/Present)

For Laboratory Use

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 Date: 08/2010 Revised: 02/2016

Kapok's holding time for all samples is 90 days unless otherwise noted
 Samples not arrived in good condition unless otherwise noted