

2024

REPORT OF INSPECTION

2018-28

Conferred With:

Bob Lewis

FIRE FOE



999 Trumbull Ave. Girard, Ohio 44420

(330) 759-9834

License No.

54-78-1575

Customer Email:

info@austintownstudioapartments.com

(330) 792-1913 x5

REPORT TO: Austintown Studio Apartments BUILDING OR LOCATION: Same
 STREET: 850 N. Meridian Rd INSPECTOR: Trenton Page
 CITY & STATE: Youngstown, Oh 44509 DATE OF INSPECTION: Sept 17, 2024

OWNER'S SECTION (To be completed by owner, owner's representative or occupant)

- A. Explain any occupancy hazard changes since the last inspection: N/A
 B. Describe fire protection modifications made since last inspection: N/A
 C. Describe any fires since last inspection: N/A
 D. What date was the system piping last checked for stoppage, corrosion, or foreign material?..... 3/16/22
 E. What date was the fire department connection last hydrotested?..... 3/16/22
 F. Are the dry valves adequately protected from freezing? YES NO ☒ N/A

*Per NFPA 25, owner is responsible for maintaining sprinkler systems.***INSPECTOR'S SECTION** (All responses reference current inspection) Conducted in accordance with NFPA 25**1. GENERAL**

- a. Is the building occupied?..... Yes
 b. Are all known systems in service?..... Yes
 c. Does there appear to be a proper clearance between the sprinkler deflectors and the top of storage?..... Yes
 d. In areas protected by wet system, does the building appear to be properly heated in all areas?..... Yes
 e. Does the hand hose on the sprinkler system appear satisfactory?..... N/A
 f. Does it appear that there is a hydraulic name plate attached to the riser?..... Yes
 g. Does it appear that the building is fully sprinklered?..... Yes

2. CONTROL VALVES (See item 16)

- a. Do all sprinkler system control valves and all other valves appear to be in good condition and in appropriate open or closed position?..... Yes
 b. Are all control valves in open position and locked, sealed or equipped with a tamper device?..... Yes
 c. Does it appear that all control valves are appropriately labelled?..... Yes

3. WATER SUPPLIES (See item 17)

- a. Was a water flow test of the main drain performed at the sprinkler riser?..... Yes

4. TANKS, PUMPS, FIRE DEPARTMENT CONNECTION

- a. Do fire pumps, gravity tanks, reservoirs, and pressure tanks appear to be in good condition and properly maintained?..... Yes
 b. Do fire department connections appear to be in satisfactory condition, couplings free, caps in place, and check valves tight? Are they accessible and visible?..... Yes

5. WET SYSTEMS (See item 16 & 17)

- a. Are cold weather valves in the appropriate open or closed position?..... N/A
 b. Have known antifreeze systems been tested satisfactory? N/A
 i. Percentage of antifreeze:
 ii. Type of antifreeze solution:
 iii. Freeze point (°F):
 c. Do alarm valves, water flow indicators and retard chambers appear in satisfactory condition?..... Yes

6. DRY SYSTEMS (See item 16 & 17)

- a. Is the dry valve in service and does it appear to be in good condition?..... N/A
 b. Are the air pressure and, if applicable priming water levels normal?..... N/A
 c. Has the operation of the air supply been tested? Is it in service?..... N/A

- d. Were all known low points drained during the fall and winter inspections?..... N/A
- e. Did quick-opening devices test satisfactory (3 - 5 seconds)?..... N/A
- f. Did the dry valve trip properly during testing?..... N/A
- g. Did the heating equipment in the dry-pipe valve room operate at the time of inspection?..... N/A
- h. Does the compressor have a condensate drain and has moisture been drained from the air tank?..... N/A
- i. Do the compressor and if applicable, air maintenance device appear to be in good condition?..... N/A
- j. If applicable, was the dry valve cleaned internally and did the dry valve reset?..... N/A
- k. Was the quick-opening device left in service?..... N/A
- l. What is the date of the last 3-year air test?..... N/A

7. SPECIAL SYSTEMS (See item 15-18)

- a. Did the deluge or preaction valves operate properly during testing?..... N/A
- b. Did heat-responsive devices operate properly during testing?..... N/A
- c. Did supervisory devices operate properly during testing?..... N/A

8. ALARMS

- a. Did the water motor and gong test satisfactory?..... N/A
- b. Did the electric alarm test satisfactory?..... Yes
- c. Did the supervisory alarm service test satisfactory?..... Yes
- d. Did water flow or alarm pressure switch test satisfactory? Yes

9. SPRINKLER PIPE

- a. Do all sprinklers appear free of paint, corrosion, loading or obstruction to the spray pattern?..... Yes
- b. Do the standard response sprinklers appear less than 50 years old?..... Yes
- c. Are extra sprinklers and the sprinkler wrench(es) available for all installed sprinklers..... Yes

- 10. Date dry-pipe valve trip tested (control-valve partially open): N/A (See Trip Test Table #1).
- 11. Date dry-pipe valve trip tested on full flow: N/A (See Trip Test Table #1).
- 12. Date quick-opening device tested: N/A (See Trip Test Table #2).
- 13. Date deluge or preaction valve tested: N/A (See Trip Test Table #2).

14. TRIP TEST TABLE #1 (Dry-pipe valves and Quick-Opening Devices)

Dry Pipe Valves			
Make	Model	Size	Serial No.

Quick-Opening Devices (Q.O.D.)			
Make	Model	Type	Serial No.

	Serial No.	Date	Initial Water Pressure	Initial Air Pressure	Q.O.D. Tripped at		Valve Tripped at		Time Water Reached Test Outlet		Did alarms operate?	
					LBS/AIR	SEC.	LBS/AIR	SEC.	MIN.	SEC.	Yes	No
Partial Trip Test												
Full Flow Trip Test												
If No, Explain:												

15. TRIP TEST TABLE #2 (Special Systems)

Make	Model	Serial No.	Method of Operation
Is piping supervised? ☐ Yes ☐ No		Is detecting media supervised? ☐ Yes ☐ No	
Does valve operate from the manual trip and/or remote control station? ☐ Yes ☐ No			
Is there an accessible facility in each circuit for testing? ☐ Yes ☐ No			
If No, Explain:			
Does each circuit operate supervision alarm? ☐ Yes ☐ No			
Does each circuit operate valve release? ☐ Yes ☐ No			
Maximum time to operate release: _____ (min.) _____ (sec.)			

16. CONTROL VALVE MAINTENANCE TABLE

Control Valves	Number	Type	Open	Secured	Closed	Signs	Condition
City Connection	1	OS&Y	Yes	Yes	No	Yes	Good
Tank							
Pump	2	OS&Y	Yes	Yes	No	Yes	Good
Sectional	15	OS&Y	Yes	Yes	No	Yes	Good
System	1	OS&Y	Yes	Yes	No	Yes	Good
Other							

* Unsatisfactory comments must be explained in item 18

17. WATER FLOW TEST AT SPRINKLER RISER

Water Supply Source: Youngstown, Oh (city) N/A (tank) 500 gpm (pump)

Number of wet risers: 1 Number of dry risers: 0

	Main Drain Location	Size	Static Pressure	Residual Pressure	Pressure After Test	Time to Recover
Last Main Drain Test	Riser w/o pump	2"	110	90	110	-
Current Main Drain Test	Riser w/o pump	2"	110	90	110	-

18. Explain any "no" answers and comments:

Comment: 6th floor north stairwell & 4th floor south stairwell have 1" nipple just past the inspectors test valve on drain side leaking at threads. Recommend repairing.

Comment: 2" piping for jockey pump has a nipple that is very corroded and should be replaced.

Maintenance has been notified and is getting a quote from Firefoe to fix these issues.

Sprinkler heads are from 1977.

19. Adjustments or corrections made during the test:**20. Desirable improvements:**

telephone:
(330) 759-9834

Fire Foe Corporation

999 Trumbull Ave. Girard, Ohio 44420 Company Lic#:

Annual Test

09-17-2024

Job Site Info:

JOB SITE: **Austintown Studio Apartments**
STREET: **850 N, Meridian Rd ,**
CITY & STATE: **Youngstown & Ohio**
SITE CONTACT: **Bob Lewis**
PHONE: **(330) 792-1913**
EMAIL: **info@austintownstudioapartments.com**

Customer Info:

CUSTOMER: **Austintown Studio Apartments**
STREET: **850 N. Meridian Rd,**
CITY & STATE: **Youngstown & Ohio**
CUSTOMER CONTACT:
PHONE:
EMAIL:

Witnessed:

AHJ:

Inspection Crew:

Inspector: Mike Nicholas

Pump Manufacturer:

Rated GPM	Rated RPM	Net Pressures:		
		100% PSI	150% PSI	Churn PSI
500.0	1765	50	35	55

Fire Pump Details

Pump Name: Austintown Studio

Motor: Electric

Manufacturer: Patterson Pumps

Testing Frequency:

Notes:

Header Size:

Hose Outlets:

Length:

Size of Hoses:

Location:

Fire Pump Component Details

Fire Pump		Fire Pump Driver	
Pump ID:	Austintown Studio	Type:	☐ Diesel Engine ☒ Electric Motor ☐ Other _____
Pump Type (check one):	☒ Horizontal ☐ Vertical In-Line ☐ Vertical Turbine ☐ End-Suction	Manufacturer:	Marathon Electric
Manufacturer:	Patterson Pumps	Model:	AC286TTDR7026CDW
Model:	5Y4M	Serial:	983678
Serial:	72FP7279-1-4	Rated Speed (RPM):	1765
Listed (check all that apply):	☒ FM ☒ UL ☐ ULC	Frame Size:	
Rated Capacity (GPM):	500	Motor Enclosure Type:	
Total Dynamic Head (ft):	115	Rated Voltage:	460
Head at Churn 0% (PSI):	55	Rated Full Load Amps:	
Head at Rated 100% (PSI):	50	Phase:	3
Head at Overload 150% (PSI):	35	Cycles (Hz):	50
Rated Speed (RPM):	1765	Service Factor:	
Pump Rotation:	☒ Clockwise ☐ Counterclockwise	Jockey Pump	
Suction From:	City	Manufacturer:	Crane Pumps & Systems
Impeller Diameter (In):	0.0	Model:	NR
Fire Pump Controller		Rated Flow (GPM):	0
Manufacturer:	Firetrol	Rated Pressure (PSI):	300
Model:	FTA 750A	Rated HP:	
Serial:	NR	Jockey Pump Controller	
Listed (check all that apply):	☒ FM ☒ UL ☐ ULC	Manufacturer:	Firetrol
Rated HP:		Model:	FTA 500
Phase:	3	Listed (check all that apply):	☒ FM ☒ UL ☐ ULC
Cycles (Hz):	60	Phase:	3
Rated Voltage:	460	Cycles (Hz):	60
On PSI:	70.0	Rated Voltage:	
Off PSI:	90.0	On PSI:	80.0
Type of Start:	Automatic	Off PSI:	120.0
Run Timer Setting (min):	0	Other Information	
		Notes:	

Fire Pump Checklist

Electrical Systems				
	Y	N	N/A	Notes
Is the Controller pilot light (power on) illuminated?	☒	☐	☐	
Is the Transfer switch normal power light illuminated?	☐	☐	☒	
Is the Transfer switch operating properly during the test?	☐	☐	☒	
Is the isolating switch for standby power closed?	☐	☐	☒	
Is the Reverse-phase alarm light not illuminated?	☐	☐	☒	
Is the Normal-phase rotation light illuminated?	☐	☐	☒	
Is the Oil level in vertical motor sight glass within acceptable range?	☐	☐	☒	
Are the electronic pressure sensors in the controller comparable to the annalog gauges on the system?	☒	☐	☐	
Fire pump control log (if equipped)				
	Y	N	N/A	Notes
Highest Discharge Pressure psi	☐	☐	☒	
Lowest Discharge Pressure psi	☐	☐	☒	
Jockey Pump System				
	Y	N	N/A	Notes
Does the Jockey pump have power?	☒	☐	☐	
Is the Jockey Pump operating properly?	☒	☐	☐	
Pump House				
	Y	N	N/A	Notes
Is the temperature in the pump room at 40°F (4°C) or higher?	☒	☐	☐	
Are the Ventilation louvers free to operate	☐	☐	☒	
Is the floor free from water?	☒	☐	☐	
Is the temperature in the pump room at 70°F (21°C) for diesel engine pump without engine heater?	☒	☐	☐	
Is the FACP and Control panel free of Fire Pump alarms?	☒	☐	☐	
Pump Systems				
	Y	N	N/A	Notes
Is the Pump suction, discharge, and bypass valves in the open position?	☒	☐	☐	
Is the Test Header Control Valve in the closed position?	☒	☐	☐	
Are the Test Header Hose Valves and piping free of water?	☒	☐	☐	
Is the fire pump piping free from leaks or corrosion?	☒	☐	☐	

Is the coupling guard in place?	☒ ☐ ☐
Is the fire pump packing dripping at one drop of water per second?	☒ ☐ ☐
Are the packing cups clear of debris and are draining properly?	☒ ☐ ☐
Is the Suction reservoir or Water Tank full?	☐ ☐ ☒
Are the Wet pit suction screens unobstructed and in place?	☐ ☐ ☒
Are the Supply and Discharge Gauges accurate and free of leaks and damage?	☒ ☐ ☐
Is the coupling and shaft in correct alignment?	☒ ☐ ☐
Have the bearings been lubricated?	☒ ☐ ☐

Deficiencies
No Deficiencies Found.

Flow Test Data

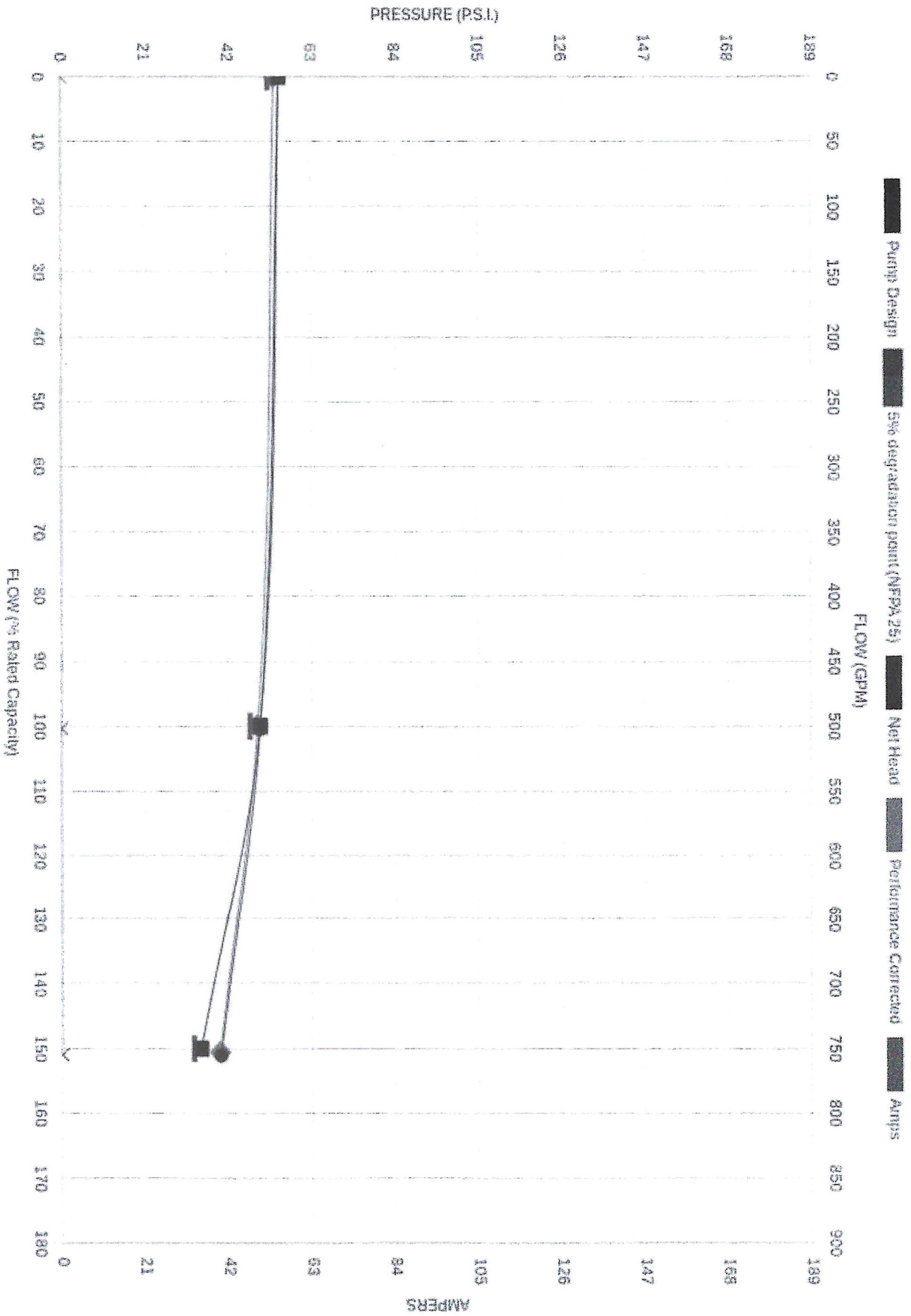
Pump Overview

Rated GPM	Rated RPM	Net Pressures:		
		100% PSI	150% PSI	Churn PSI
500.0	1765	50	35	55

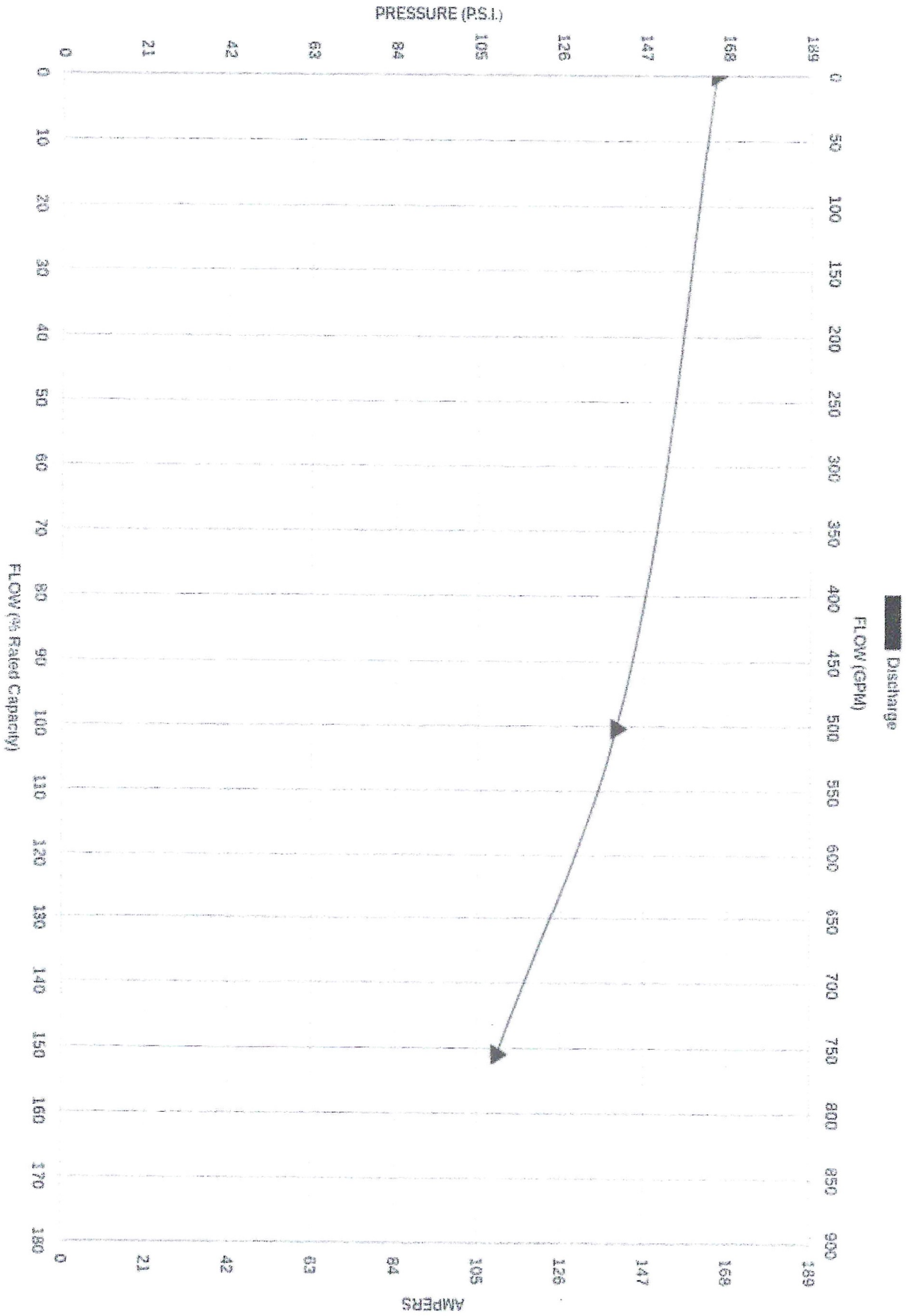
Streams For Peak Flow: 2
Length Of Hoses:

	RPM	Disch.	Suct	Net	Streams			Total Flow		Volts	Amps	Corrected	
					Flow	1	2	Flow GPM	% Rated Capacity			Flow %	Press
1	1786	165.0	110.0	55.0	Flow Device PSI	- 0.0	-	0.0	0.0	0	0	0.0	53.7
					GPM	0				0	0		
2	1775	140.0	90.0	50.0	Flow Device PSI	PN1.75 -HML 23.0	-	502.1	100.4	0	0	99.9	49.4
					GPM	502				0	0		
3	1770	110.0	70.0	40.0	Flow Device PSI	PN1.75 -HML 13.0	PN1.75 -HML 13.0	755.0	151.0	0	0	150.6	39.8
					GPM	377	377			0	0		

Pump ID: Austintown Studio
Date of Test: 09-17-2024



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Annual Fire Pump ITM Summary

Inspection Summary

Testing Summary Per NFPA 25-8.3.7.2.3 (2023 edition)

Fire pump meets the flow and pressure requirements of the most demanding system(s)

No Data Available.

Fire pump supplies 100 percent of rated flow

☑ Measured flow of 755.0 GPM is 151.0% of capacity

Net pressure at each flow point is at least 95 percent from test curve generated from the fire pump nameplate

note: within, meets or exceeds 95% is acceptable

☑ 53.7 PSI @ Churn is within 95% of 55 PSI

☑ 49.4 PSI @ 100% rated test is within 95% of 50 PSI

☑ 39.8 PSI @ peak flow is 95% of 35 PSI

Flow Test Result: Acceptable

No Deficiencies Found

Customer Name:

Customer Signature: