



TRG Fire Systems

Inspection, Testing, and Maintenance Cover Sheet NFPA25 as amended by CCR, Title 19

Property Information:

Name: _____
Address: _____
City: _____
ZIP: _____
Contact: _____
Telephone: _____

Occupancy/Use: _____
Construction Type: _____
No. Stories: _____
Year Constructed: _____



Contractor Information:

Number of System Risers

Name: _____
Address: _____
City: _____
State: _____
Telephone: _____
CA License#: _____
Job #: _____
Performed by: _____

Copy sent to:

☐ Owner Date: _____
☐ Fire AHJ Date: _____
☐ Contractor Date: _____

NOTES:

1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 edition as amended by California Code of Regulations, Title 19, §901 to §906.

2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection.
Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.


Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5				
<input type="checkbox"/> Standpipe and Hose System	6				
<input type="checkbox"/> Private Water Supply System	7				
<input type="checkbox"/> Fire Pump	8				
<input type="checkbox"/> Water Storage Tank	9				
<input type="checkbox"/> Water Spray System	10				
<input type="checkbox"/> Foam Water Sprinkler System	11				
<input type="checkbox"/> Water Mist System	12				
<input type="checkbox"/> Concerns that are Not Deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Deficiencies and Comments

Indicate all equipment, devices and parts that were repaired or replaced


<i>Building Representative</i>		<i>Technician</i>	
<i>Signature</i>	<i>Date</i>	<i>Signature</i>	<i>Date</i>

Electric Fire Pump		California Code of Regulations - Title 19 Inspection, Testing, and Maintenance		Annual Report		1 of 7		
Property Information				Contractor or Licensed Owner Information				
Building Name				Name				
Address				Address				
City				City		St.		Zip
Contact Person			License #		Phone			
Phone			<input type="checkbox"/> SFM <input type="checkbox"/> CSLB		Job #			
					Misc.			

Pump and Driver Information					
Pump #		Max Suction Pressure	psi	Driver Mfr.	
Pump Model		Max psi (shutoff)	psi	Driver Model	
Pump Serial #		Rated Capacity	gpm	Driver Rated RPM	
Rated RPM		Rated Pressure	psi	Full Load Amp (FLA)	Amp
Controller Mfr		150% Rated Capacity	gpm	Rated Voltage	Volts
Controller Model		Rated Pressure @ Rated Capacity	psi	Service Factor (SF)	
Controller S/N					

Where the pump and driver manufacturer's recommendations are not available, use the items in this form, which reference NFPA 25, Table 8.5.3. If the manufacturer's recommendations are available, then those recommendations are to be used.


Annual Flow Test									
Churn (0%) 8.3.5.1	Flow (gpm)	Suction (psi)	Discharge (psi)	Net Pressure (psi)	Speed (rpm)				
	Phase	Volts	Amps	V x A	Rated V x FLA x SF				
	A-B								
	B-C								
	C-A								
8.3.5.5 V x A acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No 8.3.5.6 Voltage acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No									
100% Rated Flow	Nozzle #	Size	Pitot Pressure	Flow (gpm)	Phase	Volts	Amps	V x A	Rated V x FLA x SF
	1								
	2								
	3								
	4				8.3.5.5 V x A acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No				
	5				8.3.5.6 Voltage acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No				
	6								
150% Rated Flow	Nozzle #	Size	Pitot Pressure	Flow (gpm)	Phase	Volts	Amps	V x A	Rated V x FLA x SF
	1								
	2								
	3								
	4				8.3.5.5 V x A acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No				
	5				8.3.5.6 Voltage acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No				
	6				Suction pressure at 150% of rated flow at least 0 psi? <input type="checkbox"/> Yes <input type="checkbox"/> No				
For pump systems installed per NFPA 20, using suction tanks where NFPA 20 permitted the suction pressure to be not less than 3 psi, is the suction pressure at least 3 psi? (8.1.6.2) <input type="checkbox"/> Yes <input type="checkbox"/> No									

Electric Fire Pump	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	Annual Report	2 of 7
Property Information		Contractor or Licensed Owner Information	
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Address		Job #	
City			

Fire Pump Test Curves	
Manufacturer's shop test curve	1. 8.3.5.3(1)
Original adjusted fire pump curve using net pump pressures	2. 8.3.5.3(1)
Current adjusted fire pump curve using net pump pressures	3. 8.3.5.3(1)
Original unadjusted fire pump curve using net pump pressures	4. 8.3.5.3(1)
Current unadjusted fire pump curve using net pump pressures	5. 8.3.5.3(1)
Current unadjusted fire pump curve using total pump pressure + supply pressure	6. 8.3.5.7
*Note: The fire pump nameplate data is permitted to be used if the manufacturer's shop test curve is unavailable. (8.3.5.3(2))	

Test Results and Evaluation (8.3.5.7)					
Fire Protection System Demand Information			Fire Pump		
Type of System	Required Pressure at the Pump Discharge Flange (psi)	Required Flow (gpm)	Is the fire pump capable of supply the system demand using the unadjusted pump curve?		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No		
Are fire pump test results satisfactory?			<input type="checkbox"/> Yes <input type="checkbox"/> No	8.1.6 8.3.5 8.3.5.2.1	8.3.5.3 8.3.5.4 8.3.5.5 8.3.5.6 8.3.5.7

Annual Fire Pump Inspection, Testing, and Maintenance <i>Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items</i>						
I = Inspection T = Test M = Maintenance			P = Pass F = Fail N/A = Not Applicable			
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
Fire pump Start/Stop Pressures						
1.01	I	Fire Pump Start Pressure	8.3.2.8(1)(f)		psi	
1.02	I	Fire Pump Stop Pressure	8.3.2.8(1)(f)		psi	
1.03	I	Pressure Maintenance Pump Start Pressure	8.3.2.8(1)(g)		psi	
1.04	I	Pressure Maintenance Pump Stop Pressure	8.3.2.8(1)(g)		psi	
Pump House						
1.05	I	Pump House Heating and Ventilating Louvers. Illumination	8.2.2(1)(a) 8.2.2(1)(b) 8.3.4.3			
Fire Pump System						
1.06	I	Control Valves - Identification Sign	13.3.1			
1.07	I	Control Valves - Inspection	13.3.2			
1.08	I	Pump Suction, Discharge & Bypass Valves Open	8.2.2(2)(a)			
1.09	I	Normally Closed Valves are Closed (Test Header/Venturi Meter)	8.2.2(2)(g) 13.3.2.2			

Electric Fire Pump	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	Annual Report	3 of 7
Property Information		Contractor or Licensed Owner Information	
Building Name		Name	
Address		Job #	
City			

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Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
1.10	I	Piping is Free of Leaks	8.2.2(2)(b)			
1.11	I	Suction Line Pressure Gauge Reading within Acceptable Range <i>(Same as Water Level in Tank or Static Pressure in Water Main)</i>	8.2.2(2)(c)			
		Suction Pressure Reading	8.2.2(2)(c)		psi	
1.12	I	Discharge Line Pressure Gauge Reading within Acceptable Range <i>(Same as Suction Gauge Reading)</i>	8.2.2(2)(d)			
		Discharge Pressure Reading	8.2.2(2)(d)		psi	
1.13	I	Suction Reservoir Full	8.2.2(2)(e)			
1.14	I	Wet Pit Suction Screens are Unobstructed and in Place	8.2.2(2)(f)			
1.15	I	Check Pump Packing Glands for Slight Discharge <i>(Pump Not Running)</i>	8.2.2(2)(h)			
1.16	I	Check Pump Packing Glands for Slight Discharge <i>(Pump Running)</i>	8.3.2.8(1)(b)			
1.17	I	Suction Line Pressure Gauge Reading <i>(Pump Running)</i>	8.3.2.8(1)(a)		psi	
1.18	I	Discharge Pressure Gauge Reading <i>(Pump Running)</i>	8.3.2.8(1)(a)		psi	
1.19	I	Check for Unusual Noise or Vibration	8.3.2.8(1)(d)			
1.20	I	Check Packing Boxes, Bearings, or Pump Casing for Overheating	8.3.2.8(1)(e)			
1.21	I	Circulation Relief Valve Operating Properly	13.5.7.1.2			
1.22	I	Observe Time for Motor to Accelerate to Full Speed	8.3.2.8(2)(a)			
1.23	I	Record Time the Controller is on 1st Step <i>(For Reduced Voltage or Reduced Current Starting)</i>	8.3.2.8(2)(b)			sec
1.24	T	Record Time Pump Runs after Starting <i>(For Automatic Stop Controllers)</i>	8.3.2.8(2)(c)			min
1.25	T	Control Valve Test	13.3.3			
1.26	M	Control Valve Maintenance	13.3.4			
1.27	M	Adjust Gland Nuts, if Necessary	8.3.2.8(1)(c)			
Electrical System Conditions						
1.28	I	Controller "Power On" Pilot Light is Illuminated	8.2.2(3)(a)			
1.29	I	Transfer Switch Normal Pilot Light is Illuminated	8.2.2(3)(b)			
1.30	I	Isolating Switch is Closed - Standby (Emergency) Source	8.2.2(3)(c)			
1.31	I	Reverse Phase Alarm Pilot Light is Off, or, Normal Phase Rotation Pilot Light is On	8.2.2(3)(d)			

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Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
1.32	I	Oil Level in Vertical Motor Sight Glass is within Acceptable Range	8.2.2(3)(e)			
1.33	I	Power to Pressure Maintenance (Jockey) Pump is Provided	8.2.2(3)(f)			
Tests						
2.01	T	Engine Generator Sets (Monthly)	NFPA 110			
2.02	T	Exercise Isolating Switch and Circuit Breaker	Table 8.1.2			
2.03	T	Annual Test - Indicate Method of Discharge If the current test does NOT use the method described in 8.3.3.1.2.1 - then indicate the DATE the last time this method was used: _____	8.3.3.1.2.1 8.3.3.1.2.2 8.3.3.1.2.3 8.3.3.1.3		<input type="checkbox"/> 8.3.3.1.2.1 <input type="checkbox"/> 8.3.3.1.2.2 <input type="checkbox"/> 8.3.3.1.2.3	
2.04	T	Automatic Transfer Switch Test	8.3.3.4			
2.05	T	Alarm Tests	8.3.3.5			
2.06	T	Electronic Fuel Management Control System Test	8.3.3.8			
2.07	T	Trip Circuit Breaker	Table 8.1.2			
2.08	T	Operate Manual Starting Means	Table 8.1.2			
2.09	M	Inspect and Operate Emergency Manual Starting Means (Without Power)	Table 8.1.2			
2.10	T	Parallel and Angular Alignment Test	8.3.3.4			
Maintenance						
3.01	M	Lubricate Pump Bearings	Table 8.1.2			
3.02	M	Check Pump Shaft End Play	Table 8.1.2			
3.03	M	Check Accuracy of Pressure Gauges	Table 8.1.2			
3.04	M	Check Pit Suction Screens	Table 8.1.2			
3.05	M	Lubricate Coupling	Table 8.1.2			
3.06	M	Lubricate Right-angle Gear Drive	Table 8.1.2			
3.07	M	Tighten Electrical Connections	Table 8.1.2			
3.08	M	Lubricate Mechanical Moving Parts (Excluding Starters and Relays)	Table 8.1.2			
3.09	M	Calibrate Pressure Switch Settings	Table 8.1.2			
3.10	M	Grease Motor Bearings	Table 8.1.2			
3.11	M	Check Voltmeter and Ammeter for Accuracy	Table 8.1.2			
3.12	M	Corrosion on Printed Circuit Boards	Table 8.1.2			
3.13	M	Any Cracked Cable/Wire Insulation	Table 8.1.2			

I = Inspection **T** = Test **M** = Maintenance *P* = Pass *F* = Fail *N/A* = Not Applicable

D = Deficiency C = Comment (Indicate type)

☐ Check here if additional Deficiencies and Comments are listed on Form AES 9. Number attached: _____

☐ See Correction Form AES 10 for corrected deficiencies. Number attached: _____

Print Name	
Signature	Date

Property Information

Building Name

Address

City

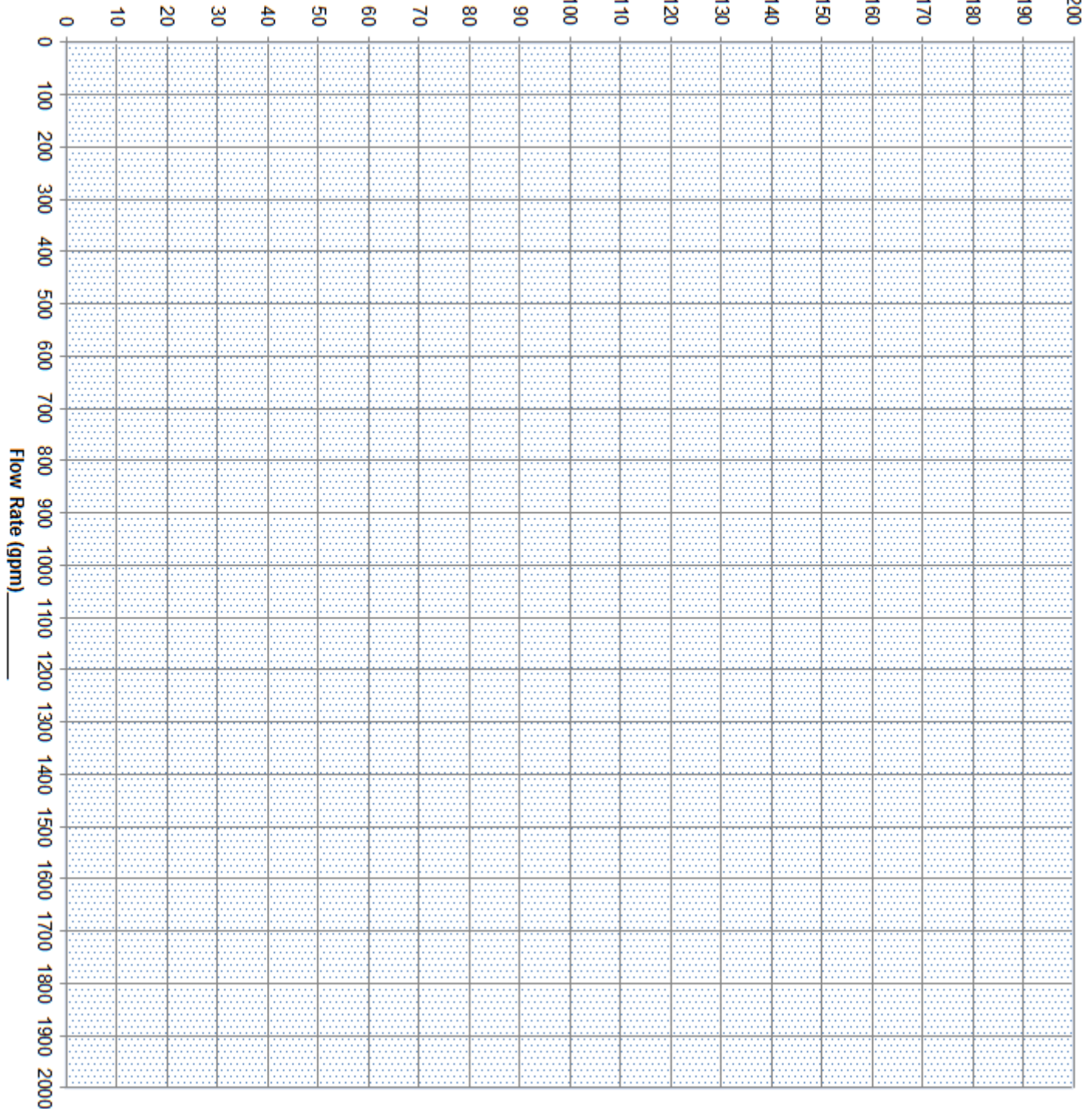


Contractor or Licensed Owner Information

Name

Job #

Pressure (psi)



Curve Identification:

1. Manufacturer's shop test curve
2. Original adjusted fire pump curve
3. Current adjusted fire pump curve

Property Information

Building Name

Address

City

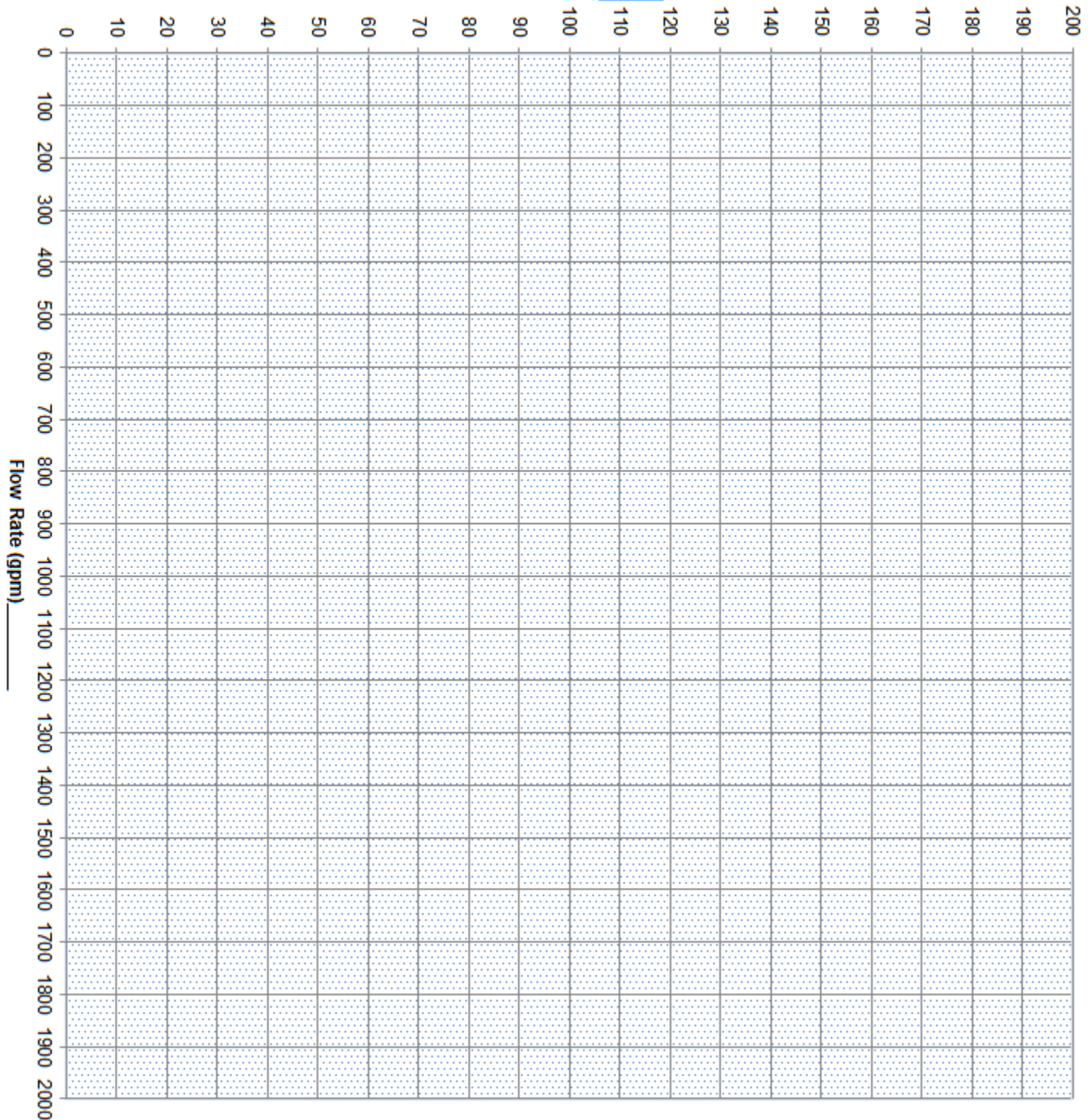


Contractor or Licensed Owner Information

Name

Job #

Pressure (psi)



Curve Identification:

4. Original unadjusted fire pump curve

5. Current unadjusted fire pump curve

6. Current unadjusted fire pump curve using total pump pressure + supply pressure