I. Introduction

Emergencies seldom give warning before they strike. Thus, it is essential that fire protection equipment be inspected, tested, and maintained to be certain it is operable at all times. Management, therefore, should establish an effective equipment inspection program.

A. Statement of Problem

Fire protection equipment, like all other equipment, deteriorates with time. It is also vulnerable to external influences such as corrosive environments, tampering, accidental damage, and careless use. Further, since fire protection equipment is used infrequently, it must be inspected and tested regularly to prove its reliability and operability. It is far better to detect an unsatisfactory condition prior to an emergency than it is to discover it during the emergency.

B. Action Plan

A fire protection equipment inspection is intended to determine equipment operability and should be performed as outlined in this section. In order to set up an effective program, management shall:

1. Appoint a qualified individual to monitor the program and report to management.

2. Select and train individuals with appropriate mechanical aptitude to conduct the inspections and tests of fire protection equipment.

3. Initiate a complete survey of the facility's fire protection equipment for the purpose of developing a customized inspection report form. Example of forms are attached.

4. Establish effective procedures for reviewing the inspection reports.

5. Initiate prompt action to correct any noted deficiencies.

6. Establish contacts with sprinkler contractors for periodic testing and emergency maintenance of fire protection equipment.
C. **Background**

Once the qualified persons are selected, it is important that they be properly trained. This training should include the following features:

1. Review of existing protection equipment and its maintenance, operation, and testing techniques, and familiarization with installed fire protection equipment.

2. Making copies of manufacturers' instruction manuals and other data available in a centralized training file.

II **Elements Of An Effective Self-Inspection Program**

A. **Trained Staff Designated to Establish and Implement the Program**

The responsibility for supervision of fire protection systems rests with the Facilities Manager and designated personnel responsible for the equipment. Employees responsible for system supervision should be familiar with fire protection equipment and know how to operate equipment during an emergency (verify necessary sprinkler control valves are open in the fire area, know how to start and maintain fire pumps, etc.). If your facility has several sprinkler systems, it is important that an up-to-date sketch be maintained showing the location of sprinkler control valves. Proper records should be maintained of inspections.

Alternate personnel should be available to make fire prevention inspections when the designated individual is ill or on vacation. Local management should support prompt repair of equipment when deficiencies are noted.

If a maintenance staff is not available and the services of a contractor are to be used to perform maintenance and tests, the contractor should furnish a written report. The report should include completed self-inspection forms. An employee should accompany the contractor during test to become familiar with the equipment in the event equipment must be operated during an emergency.

B. **Locking Sprinkler Control Valves**

All fire protection system control valves shall be locked in the open position. Locks and chains should be sturdy and resistant to breakage except by heavy bolt cutters. Breakaway and combination locks shall not be used. Distribution of keys should be kept to a minimum and keys should be restricted to only those directly responsible for maintaining the fire protection systems.
C. **Self-Inspection Forms**

Since the number, type and complexity of fire protection systems will vary depending on the size of your facility, customized self-inspection forms are needed for sprinkler control valves, portable fire extinguishers, fire pumps, dry pipe valves, etc. Such forms not only serve as a guide for conducting inspections, but provide a method of proper recordkeeping. The inspector should carry the form and use it as a checklist. It should be filled in as rounds are made, not after the completion of an inspection. A sample form is provided at the end of this section.

D. **Marking and Identification of Equipment**

Sprinkler control valves should be numbered for inspection and identification purposes. The number listed on the valve should correspond with the number on the inspection form and fire diagram.

Valves should be plainly marked with the direction to open. If not marked by the manufacturer, a sign should be posted near the valve indicating direction to open. If underground curb box valves are used, a T wrench should be provided near the valve with a sign indicating location of the valve.

E. **Frequency of Inspection**

The frequency of inspection of fire protection equipment depends on numerous factors. For example, dry pipe systems should be checked daily in the winter; but less frequent checks would be acceptable in the summer. The recommended frequency for testing and maintenance of critical sprinkler system components appears on the attached schedule.
Fire Protection Testing and Inspection Schedule

Valves: All fire protection control valves (OSY - PIV - Butterfly) shall be locked and chained in the open position.

All valves shall be visually inspected on a monthly basis to show they are open and are not blocked.

All valves shall be exercised. Manually close and manually reopen every 6 months. Lubricate as needed.

Fire Pump: All fire pumps shall be started weekly by drop of pressure and allowed to run for five minutes before placing back in automatic position (churn test).

All fire pumps shall be tested annually with a full flow test measuring waterflow and pressure. (Qualified sprinkler company should perform the test). Test results should be kept on file for review.

Alarms: The following testing frequency shall be used for alarms:

- Waterflow: Quarterly
- Valve Tamper: Quarterly
- Low Air: Quarterly
- Pump Running: Weekly
- Electric Power to Pump (Electric Pump): Monthly
- Detectors (Smoke and Heat): Annually

Dry Pipe Valves: All dry pipe valves shall be tripped annually, with test results kept on file for review.

FM-200 Annual contractor service

Anti-Freeze Concentration: Annual test

Outside Local Waterflow Alarms: Quarterly
Fire Protection Testing and Inspection Schedule

Private Hydrant and Underground Flush: Annual flush shall be performed.

Extinguishers: Visually check monthly each extinguisher to confirm they are charged, in place and not blocked.

Annual service by qualified extinguisher company.

Inside Hose Connections: Visually check monthly to confirm they are in place and not blocked.

Automatic Sprinkler Systems: Contract with qualified sprinkler contractor for annual service and testing program.

2-inch Drain Test: Quarterly test of 2-inch drain on all risers. Record both static and residual pressures with valve completely open.

Note: Cold weather may dictate this test be postponed due to creating icy conditions outside building near drain pipe.

However, test sheet must be noted that test was not completed due to cold weather.

Hydrants: Monthly visual check for accessibility and condition.
## MONTHLY FIRE PREVENTION INSPECTION

**Location**

**Inspected by:**

**Date:**

### FIRE PROTECTION CONTROL VALVES (INSIDE & OUTSIDE)

<table>
<thead>
<tr>
<th>Valve Number</th>
<th>Area Controlled</th>
<th>Open</th>
<th>Shut</th>
<th>Supervised</th>
<th>Locked</th>
<th>Valve Condition Satisfactory</th>
<th>Valve Readily Accessible</th>
<th>Any Evidence of Leakage</th>
<th>Operating Wrench in Place</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### AUTOMATIC SPRINKLER SYSTEMS

**Dry Pipe Systems**

- **System #**
  - **Air Pressure**
  - **Water Pressure**

**Wet Pipe Systems**

- **System #**
  - **Water Pressure**

Physical condition of all sprinkler system gauges satisfactory

- Yes
- No

Physical condition of all sprinkler system alarm devices satisfactory

- Yes
- No

Alarm valves/dry pipe valves found to be in a good condition and free of any physical defects

- Yes
- No

### PUBLIC WATER

Public water supply in service

- Yes
- No

Pressure __________________ psi

### STANDPIPE & HOSE STATIONS

Are all standpipe or hose stations accessible

- Yes
- No

Hose attached to outlet

- Yes
- No

Nozzle attached to hose

- Yes
- No

Hose properly racked

- Yes
- No

Protective caps in place

- Yes
- No

Physical condition of all standpipe, hose stations, hose, nozzles, valves and cabinets satisfactory

- Yes
- No

### SMOKING

No Smoking Signs Posted in Restricted Areas

- Yes
- No

Evidence of Unauthorized Smoking

- Yes
- No

Proper Type of Butt Receptacles Provided in Authorized Areas

- Yes
- No

### FIRE EXTINGUISHERS

All extinguishers accessible and clearly visible

- Yes
- No

All tamper seals in place

- Yes
- No

Was there any physical damage, corrosion, leakage, or clogged nozzles noted

- Yes
- No

Were all extinguishers checked to determine if full (check gauge)

- Yes
- No
FIRE ALARM SYSTEMS

All fire alarm devices in service  □ Yes □ No
Physical condition of all fire alarm devices satisfactory  □ Yes □ No
Are they any obstructions to smoke or heat detectors that would hamper operation  □ Yes □ No
Are all pull stations unobstructed and readily accessible  □ Yes □ No

ELECTRICAL EQUIPMENT

Are all panel box cabinets clean  □ Yes □ No  Are all junction box covers in place  □ Yes □ No
Are all cabinet doors latched shut  □ Yes □ No  Is there any temporary wiring  □ Yes □ No
Adequate clearance around electrical panels and transformers (minimum 36”)  □ Yes □ No

FLAMMABLE & COMBUSTIBLE LIQUIDS (including aerosols)

All flammables properly stored in an approved cabinet or flammable liquid storage room  □ Yes □ No
Quantities outside of approved storage area limited to one days use  □ Yes □ No
All flammables properly stored in approved containers  □ Yes □ No

MISCELLANEOUS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SATISFACTORY</th>
<th>UNSATISFACTORY</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housekeeping</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proper storage of compressed gases</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting/Welding controlled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Missing ceiling tiles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accumulation of trash beneath dumpsters</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMMENTS

Comment on any unsatisfactory conditions:
_____________________________________________________________________________________________
_____________________________________________________________________________________________
_____________________________________________________________________________________________
_____________________________________________________________________________________________
_____________________________________________________________________________________________
_____________________________________________________________________________________________
_____________________________________________________________________________________________
_____________________________________________________________________________________________
**FIRE PREVENTION INSPECTION REPORT**

<table>
<thead>
<tr>
<th>Building:</th>
<th>Location:</th>
<th>Date:</th>
</tr>
</thead>
</table>

**FIRE PROTECTION VALVES (List all inside & outside)**

<table>
<thead>
<tr>
<th>Valve Number</th>
<th>Valve Location/Area Controls</th>
<th>Open</th>
<th>Locked</th>
<th>Shut</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Were any sprinkler valves operated since last inspection? [ ] Yes [ ] No If yes:
Why was valve shut? ______________________________ Was management notified? ________

**PUBLIC WATER**

<table>
<thead>
<tr>
<th>Public water supply in service? [ ] Yes [ ] No</th>
<th>Pressure</th>
<th>PSI</th>
</tr>
</thead>
</table>

**WATER SUPPLY TANKS & RESERVOIRS**

<table>
<thead>
<tr>
<th>Type Supply</th>
<th>Heater Working</th>
<th>Water level Full</th>
<th>Water level of tanks should be check by overflow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
<td>Comments:</td>
</tr>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>

**FIRE PUMPS**

<table>
<thead>
<tr>
<th>Type Pump</th>
<th>Set for Auto Start</th>
<th>Started Auto</th>
<th>Operated Properly</th>
<th>Checklist completed</th>
<th>Water Pressure With Pump Running</th>
<th>COMMENTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>No</td>
</tr>
</tbody>
</table>

If engine driven pump, is fuel supply in service? [ ] Yes [ ] No

**SPRINKLER SYSTEMS (wet, dry, deluge, pre-action)**

<table>
<thead>
<tr>
<th>System Number</th>
<th>Water Pressure</th>
<th>Air Pressure</th>
<th>Heat Adequate</th>
<th>Alarm Tested</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Static</td>
<td>Flowing 2” Drain</td>
<td>Valve</td>
<td>Accelerator</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

Storage within 18 inches of sprinkler heads? [ ] Yes [ ] No
Sprinkler heads painted/loaded/corroded? [ ] Yes [ ] No

Additional Comments: ____________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________
## SPECIAL EXTINGUISHING SYSTEM (Halon, Dry Chemical, etc.)

<table>
<thead>
<tr>
<th>Type of System</th>
<th>Location</th>
<th>In Service</th>
<th>Date Last Serviced</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

## FIRE EXTINGUISHERS, INSIDE HOSE STATIONS, AND STANDPIPES

<table>
<thead>
<tr>
<th>In Service</th>
<th>Accessible</th>
<th>Proper Type</th>
<th>Proper Arrange/Cond.</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

- **Fire Extinguishers**
- **Small Hose Stations**
- **Standpipes**

## HYDRANT, HOSE HOUSES

<table>
<thead>
<tr>
<th>Hydrant Location</th>
<th>Accessible</th>
<th>Drained</th>
<th>Equipment Condition</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

## SMOKE/HEAT DETECTORS AND MANUAL PULL STATIONS

<table>
<thead>
<tr>
<th>In-Service</th>
<th>Tested Satisfactorily</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## FIRE DOORS

<table>
<thead>
<tr>
<th>Condition</th>
<th>Operation</th>
<th>Doors Blocked</th>
<th>Date last Tested</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT</td>
<td>UNSAT</td>
<td>SAT</td>
<td>UNSAT</td>
<td>YES</td>
</tr>
</tbody>
</table>

## SMOKING

- Signs posted in restricted areas?  
  - Yes  
  - No
- Evidence of smoking in restricted areas?  
  - Yes  
  - No

## FLAMMABLE/COMBUSTIBLE LIQUIDS (including aerosols)

- Stored in proper area?  
  - Yes  
  - No
- Stored at proper height?  
  - Yes  
  - No
- Handling adequate?  
  - Yes  
  - No

## MISCELLANEOUS

<table>
<thead>
<tr>
<th>Item</th>
<th>Satisfactory</th>
<th>Unsatisfactory</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housekeeping</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof Drainage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical/Wiring/Devices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting/Welding Controlled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Watch Service</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments:

Inspector

Reviewed by

Date
**ELECTRICAL FIRE PUMP INSPECTION CHECKLIST**

Instructions: All fire pumps should be run and tested weekly. During pump operation, record results for each weekly test in the appropriate column for all items listed. If a need for repairs or adjustments is discovered during the weekly testing they should be made immediately, following the manufacturer’s instructions. Always operate pumps for 5 minutes after repairs to insure proper pump operation.

<table>
<thead>
<tr>
<th>Building Name:</th>
<th>Location:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Items Listed for Testing</th>
<th>Correct Readings</th>
<th>1st Week</th>
<th>2nd Week</th>
<th>3rd Week</th>
<th>4th Week</th>
<th>5th Week</th>
<th>6th Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Date Fire Pump Tested</td>
<td>Day/Date/Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Tested By Whom</td>
<td>Your initials</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Motor Running Time (5 Minutes Weekly Minimum – Electrical)</td>
<td>Length of Run in Minutes</td>
<td>min.</td>
<td>min.</td>
<td>min.</td>
<td>min.</td>
<td>min.</td>
<td>min.</td>
</tr>
<tr>
<td>4. Suction Pressure (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Discharge Pressure (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. RPM (At Maximum Speed)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Pump Room Temperature</td>
<td>Min. 40°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
</tr>
<tr>
<td>*8. Fire Pump Automatic Start Pressure Setting (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*9. Jockey Pump Comes On At (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*10. Jockey Pump Shuts Off At (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Are Stuffing Box Glands at Proper Tightness?</td>
<td>Slow Drip</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>13. Did You Actually Observe Suction Tank Overflow to Determine If Full?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Was The Running And Power Off Pump Alarms Tested Satisfactory To Central Monitoring System?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Was Pump Left In Fully Automatic Starting Mode At End of Testing And Is Green “ON” Light Burning?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments: Describe the nature of any problems encountered for “NO”

___________________________________________________________________________________________
___________________________________________________________________________________________
___________________________________________________________________________________________
___________________________________________________________________________________________
___________________________________________________________________________________________

*The jockey pump should be set to maintain pressure equal to the fire pump rating plus static suction pressure plus 10 psi. The fire pump should be set to start at 10 psi less than the jockey pump start pressure. Refer to NAPA 20.A-11-4 for guidance.

Inspector’s Signature___________________ Supervisor’s Signature_________________

*File for Review*
*Attach to Fire Prevention Inspection Report*
**WEEKLY DIESEL FIRE PUMP INSPECTION CHECKLIST**

**DATE:** ___/___/___

Instructions: All fire pumps should be run and tested weekly. During pump operation, record results for each weekly test in the appropriate column for all items listed. If a need for repairs or adjustments is discovered during the weekly testing, they should be made immediately, following the manufacturer’s instructions. Always operate pumps for 5 minutes after repairs to insure proper pump operation.

**IMPORTANT:** Any pump that is not left in the automatic start mode at the end of tests is considered impaired. Report this condition to management and being repairs immediately.

<table>
<thead>
<tr>
<th>Items Listed for Testing</th>
<th>Correct Readings</th>
<th>Recorded Results</th>
<th>WCM#</th>
<th>Operator Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Engine Run Time Operate All Internal Combustion Engines For At Least 30 Minutes Weekly.</td>
<td>30 Minutes Weekly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Pump Suction Pressure (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Pump Discharge Pressure (PSI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. RPM (At Maximum Speed)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Oil Pressure – (Should Conform To MFG. Specs.) Investigate Problem And Make Repairs If Necessary</td>
<td>Run PSI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Cooling Water Supply For The Heat Exchanger</td>
<td>Water Disch.</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>7. AMP (Record Engine Gauge Reading) AMP Reading Should Be +2 To +5 AMPS After 5 Minutes Running Time</td>
<td>+2 AMPS</td>
<td>+______</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Condition Of Battery Charger (See Item 7 For Guidance)</td>
<td>Charging Satisfactorily</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>9. Fuel Tank Level (Keep Tank Full At All Times To Prevent Condensation)</td>
<td>¾ Full</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>10. Check Oil Stick To Determine Level/Condition Of Crankcase Oil. Add Oil When Level At “Add” Mark</td>
<td>Oil Stick On Full?</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>11. Pump Room (Ambient) Temperature</td>
<td>Min. 40°F</td>
<td></td>
<td></td>
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<tr>
<td>12. Water And Oil Heater For Engine Is Operating</td>
<td>Min. 70°F</td>
<td>Yes</td>
<td>No</td>
<td></td>
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<tr>
<td>13. Cooling System Temperature</td>
<td>Max. °F</td>
<td></td>
<td></td>
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<tr>
<td>*14. Fire Pump Automatic Start Pressure Setting (PSI)</td>
<td></td>
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<tr>
<td>*15. Jockey Pump Comes On At (PSI)</td>
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<tr>
<td>*16. Jockey Pump Shuts Off At (PSI)</td>
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<tr>
<td>17. Are Stuffing Box Glands At Proper Tightness?</td>
<td>Slow Drip</td>
<td>Yes</td>
<td>No</td>
<td></td>
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<tr>
<td>18. Did Pump Start Automatically On Pressure Drop? (Open Pet Cock And Flow Water To Drop Pressure In Sensing Line)</td>
<td></td>
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<tr>
<td>19. Are Battery Connections Free Of Corrosion &amp; Tight?</td>
<td></td>
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<tr>
<td>20. Did Diesel Start Automatically On A &amp; B Batteries When Tested Separately?</td>
<td></td>
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<tr>
<td>21. Antifreeze Adequate In Cooling System Heat Exchange</td>
<td></td>
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<tr>
<td>22. Did you Actually Observe Suction Tank Overflow To Determine if Full?</td>
<td></td>
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<td></td>
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<tr>
<td>23. Running Pump and Pump Off Alarms Tested Satisfactorily To Central Monitoring Station?</td>
<td></td>
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<tr>
<td>24. Was Pump Left In Fully Automatic Starting Mode At The End Of The Test And Is The Green “ON” Light Burning?</td>
<td></td>
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</tbody>
</table>

*The Jockey pump should be set to maintain pressure equal to the fire pump rating plus static suction pressures plus 10 psi. The fire pump should be set to start 10 psi less than the Jockey pump start pressure. Refer to NAPA 20.A-11-4 for guidance.*
Comments: Describe the nature of any problems encountered for “NO” answers above and what was done for correction:

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SUPERVISOR SIGNATURE: ________________________________