2022 CODE REFERENCE

Fire Pump Field Acceptance Test Form A – Flow Test

(Use for Fire Pump Test *ONLY*)

NOTE: Sprinkler Booster pump is a fire pump. Use this form for to document all acceptance testing of all fire pumps.

1. GENERAL INFORMATION & PUMP INFORMATION

Building Address: _____ Borough: _____

Date of Test: _____ Application No.: _____

Pump Manufacturer: _____ Model No.: _____

Pump Capacity (GPM): _____ Rated Horsepower: _____

Pump Type: _____ Model No.: _____

Pump Driver: ☐ Electric Motor ☐ Diesel Engine ☐ Steam Turbine ☐ Other_____ Motor Voltage_____

Does the electric motor have an alternate source of power and an automatic transfer switch? ☐ YES ☐ NO

If **YES**, in addition to testing the system with each water supply, the system shall also be tested using the alternate source of power to simulate loss of primary source in accordance with NFPA 20, Section 14.2.8.

Building Pump Location: _____ Zone & Floors Pump is Serving: _____ Suction Size: _____in.

2. SPRINKLER SYSTEM INFORMATION

Number of Water Supplies required for Sprinkler System, per BC Q102: _____

*NOTE: When fire pumps are supplied by two different services (i.e., water supplies), conduct the test from each service independent of each other. For example, if primary water supply is city main, and secondary is gravity tank, then fill out **FIRST MAIN SUPPLY** test below using city main, and **SECOND MAIN SUPPLY** test below using gravity tank. If applicable, conduct one (1) additional test with both services supplying the pump simultaneously.*

Designed System Demand: Sprinkler _____ GPM

Have Flush and Hydrostatic Tests been completed as required by NFPA 20, Section 14.1? ☐ YES ☐ NO

3. FIRE PUMP FIELD ACCEPTANCE TEST

Primary Supply

Pump Capacity	Flow (GPM)	Discharge Nozzle Size (in.)	Driver Speed (RPM)	Suction Pressure (PSI)	Pump Discharge Read at the Fire Pump Test Header (PSI)	Net Pressure (PSI)
Minimum (Churn)						
Rated (100%)						
Peak* (150%)						

Secondary Supply

Pump Capacity	Flow (GPM)	Discharge Nozzle Size (in.)	Driver Speed (RPM)	Suction Pressure (PSI)	Pump Discharge Read at the Fire Pump Test Header (PSI)	Net Pressure (PSI)
Minimum (Churn)						
Rated (100%)						
Peak* (150%)						

Combined Mains Supply

Pump Capacity	Flow (GPM)	Discharge Nozzle Size (in.)	Driver Speed (RPM)	Suction Pressure (PSI)	Pump Discharge Read at the Fire Pump Test Header (PSI)	Net Pressure (PSI)
Minimum (Churn)						
Rated (100%)						
Peak* (150%)						

Fire Pump on Emergency Power (see NFPA 20-2016 Section 14.2.8)

Pump Capacity	Flow (GPM)	Discharge Nozzle Size (in.)	Driver Speed (RPM)	Suction Pressure (PSI)	Pump Discharge Read at the Fire Pump Test Header (PSI)	Net Pressure (PSI)
Peak* (150%)						

If the Department did not witness the pump operating at 150% State: "N.W."
If the maximum flow available from the water supply can not provide a flow of 150%, the fire pump shall be operated at the greater of:

- **100% rated flow**
- **Max flow demand of the fire protection system**

4. SIGNATURE & WITNESS

Did the fire pump perform in accordance with the manufacturer's characteristic curve? ☐ YES ☐ NO

Relief Valve Properly Set By: _____

Contractor (Name, Address, Telephone No.):

_____

Licensed Master Fire Suppression Piping Contractor:

Name *(print)*: _____ **Signature:** _____

The above test was witnessed by:

Name *(print)*: _____ **Signature:** _____