HIGH TECH FIRE PROTECTION

PO Box 156 • Minot, ME 04258-0156

Phone: (207)998-2551•Fax: (207)998-4187

NFPA Letter of Compliance

Date: May 29, 2015

To: Portland Fire Department

From: Richard Smith

Re: Sprinkler System Compliance Letter

High Tech Fire Protection has installed a new NFPA 13 sprinkler system for (Paris Farmers Union) located at 55 Warren Ave Portland, ME.
High Tech Fire Protection hereby guarantees the design, materials and workmanship to meet the requirements necessary for an approved NFPA #13 Automatic Fire Sprinkler System per State and local authority.

Sincerely,
Richard Smith
High Tech Fire Protection
207-998-2551
RSmith@htfp.me

Contractor's Material and Test Certificate for Aboveground Piping

PROCEDURE
Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job. A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractors. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: Paris Farmers Union — DATE: 5/29/15

PROPERTY ADDRESS: 55 Warran Ave. PORTLAND, ME

PLANS

ACCEPTED BY: State of Maine Fire Marshal's Office

ADDRESS: 45 Commerce Drive Suite 1 Augusta, ME 04330

Installation conforms to accepted plans — ☑ Yes ☐ No
Equipment used is approved If no, explain deviations. — ☑ Yes ☐ No

INSTRUCTIONS

Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment? If no, explain? — ☑ Yes ☐ No

Has copies of the following been left on the premises? — ☑ Yes ☐ No
1. System components instructions — ☑ Yes ☐ No
2. Care and maintenance instructions — ☑ Yes ☐ No
3. NFPA 25 (Owners Manual) — ☑ Yes ☐ No

LOCATION OF SYSTEM

Supplies buildings: ENTIRE BUILDING NFPA 13 (WET & DRY SYSTEM)

SPRINKLERS

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE/K-FACTOR	QUANTITY	TEMPERATURE RATING
VIKING	VK572 ECOH PEND.	2015	K 14.0	10	200°
VIKING	VK570 ECOH UPR	2015	K 14.0	71	200°
GLOBE	GL5601 PEND	2015	K 5.8	6	155°
GLOBE	GL5615 UPRIGHT	2015	K 5.6	6	200°
GLOBE	GL5626 HSW.	2015	K 5.6	1	200°

PIPING & FITTINGS

Type of pipe: BLACK IRON
Type of fittings: BLACK IRON

ALARM VALVE OR FLOW INDICT.

Alarm Device			Maximum time to operate through test connection.	
Type	Make	Model	Minutes	Seconds
VANE (WET)	SYSTEM SENSOR	WFD 40		
Pressure (Dry)	SYSTEM SENSOR	EPS 10-1		

DRY PIPE OPERATION TEST

Dry valve			Q.O.D.		
Make	Model	Serial no.	Make	Model	Serial no.
Astra	Model E	10B15	—	—	—

	Time to trip through test connection1		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet1		Alarm operated properly	
	Minutes	Seconds	Psi	Psi	Psi	Minutes	Seconds	Yes	No
Without Q.O.D.		36	60	31	11		58	X	
With Q.O.D.									

If no, explain

DELUGE & PREACTION VALVES

Operation — ☐ Pneumatic ☐ Electric ☐ Hydraulic

Piping supervised — ☐ Yes ☐ No

Does valve operate from the manual trip, remote, or both control stations? — ☐ Yes ☐ No

Is there an accessible facility in each circuit for testing? ☐ Yes ☐ No If no, explain.

Make	Model	Does each circuit operate supervision loss alarm?		Does each circuit operate valve release?		Maximum time of operate release	
		Yes	No	Yes	No	Minutes	Seconds

PRESSURE REDUCING VALVES

Location and floor	Make & Model	Setting	Static Pressure		Residual Pressure (flowing)		Flow rate
			Inlet (psi)	outlet (psi)	Inlet (psi)	outlet (psi)	Flow (gpm)

TEST DESCRIPTION

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bar) air pressure and measure drop, which shall not exceed 1 1/2 psi (0.1 bar) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1 1/2 psi (0.1 bar) in 24 hours.

TEST

All piping hydorstatically tested at 200 psi (13.8bar) for 2 hours — ☒ Yes ☐ No
Dry piping pneumatically tested — ☐ Yes ☐ No
Equipment operates properly — ☒ Yes ☐ No

If no, state reason

Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate, brine, or other corrosive chemicals were not used for testing systems of stopping leaks? ☒ Yes ☐ No

Drain test	Reading of gauge located near water supply test connection: _____psi (_____bar).	Residual pressure with valve in test connection open wide: _____psi (_____bar).

Underground mains and lead in connections to system riser flushed before connection made to sprinkler piping?

Verified by copy of the U Form No. 85B ☐ Yes ☐ No
flushed by installer of underground sprinkler piping? ☐ Yes ☐ No

Other — Explain: Existing Underground

If power-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☐ Yes ☒ No

If no, explain: None used

BLANK-TESTING GASKETS

Number used	Locations	Number removed
6	—	6

WELDING

Welding piping ☒ Yes ☐ No

If Yes...

Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS B2.1? ☒ Yes ☐ No

Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS B2.1? ☒ Yes ☐ No

Do you certify that the welding was carried out in compliance with a documented quality control procedure to ensure that all discs are retrieved, that openings in piping are smooth, that slag and other welding residue are removed, and that the internal diameters of piping are not penetrated? ☒ Yes ☐ No

CUTOUTS (DISCS)

Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? ☒ Yes ☐ No

HYDRAULIC DATA NAMEPLATE

Nameplate provided ☒ Yes ☐ No

If no, explain

REMARKS

Date left in service with all control valves open

June 3, 2015

SIGNATURES

Name of sprinkler contractor: High Tech Fire Protection

For property owner (signed): L+D — Test witnessed by: [signature] — Date: 6/3/2015

For sprinkler contractor (signed): [signature] — Title: 12:50 Inspector 310 — Date: 6-3-2015

Additional Explanations and notes

SPRINKLERS
