



# Housing Authority of the City of Pittsburgh

Contracting Officer  
100 Ross Street  
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**October 13, 2017**  
**INSPECTION, TESTING AND MAINTENANCE**  
**OF FIRE SPRINKLER SYSTEM**  
**IFB#300-45-17**

**ADDENDUM NO. 2**

This addendum issued October 13, 2017 becomes in its entirety a part of the Invitation for Bid IFB #300-45-17 as is fully set forth herein:

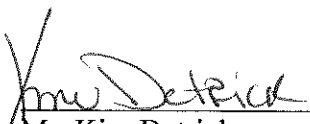
**Item 1:** Please see the Revise Scope of Services (Attachment A). Please delete pages 29 and 34 and replace with Attachment A.

**Item 2:** Q: How many risers per building?  
A: One (1) Riser per Building

**Item 3:** Q: Are there sectional valves per floor?  
A: Yes.

**Item 4:** The proposal due date is changed to October 23, 2017 and the time and location remain unchanged at 11:00 AM at the HACP Procurement Dept., 100 Ross St. 2<sup>nd</sup> Floor, Suite 200, Pittsburgh, PA 15219.

**END OF ADDENDUM NO. 2**

  
Mr. Kim Detrick  
Procurement Director/Contracting Officer

10-13-17  
Date



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**October 12, 2017**

**INSPECTION, TESTING AND MAINTENANCE  
OF FIRE SPRINKLER SYSTEM  
IFB#300-45-17**

**ADDENDUM NO. 2**

**Attachment A  
Revised Scope of Services**

## EXHIBIT A

### Scope of Work

- Provide labor and material for inspection, testing, and maintenance of fire sprinkler systems with a fire pump 4 (four) times a year to meet code requirements
- Provide labor and material for inspection, testing, and maintenance of fire sprinkler systems without fire pump 4 times a year to meet code requirements
- Must meet requirements of NFPA 25 (See Chart below for NFPA 25 requirements)

#### Testing Locations:

Northview Heights  
 PA Bidwell High Rise  
 Pressley Street High Rise  
 Homewood North  
 Murray Towers  
 Glen Hazel High Rise  
 Mazza Pavilion  
 Caliguiri High Rise  
 Finello  
 Carrick High Rise  
 Gualtieri  
 Manchester

Inspection and Testing Requirements for Fire Sprinkler Systems							
Sprinkler System	Monthly	Quarterly	Semi-Annually	Annual	Other	Code	NFPA-25
<b>INSPECTION</b>							
Gauges – Dry, PreAction & Deluge					X	2-2.4.2	Gauges on dry, preaction, and deluge systems shall be inspected weekly to ensure that normal air and water pressures are being maintained.
Gauges – Wet Pipe Systems	X					2-2.4.1	Gauges on wet pipe sprinkler systems shall be inspected monthly to ensure that they are in good condition and that normal water supply pressure is being maintained.
Control Valves	X						(See “Valves” below)
Alarm Devices		X					Alarm devices shall be inspected quarterly to verify that they are free of physical

## Inspection and Testing Requirements for Fire Sprinkler Systems

Sprinkler System	Monthly	Quarterly	Semi-Annually	Annual	Other	Code	NFPA-25
							damage
Hydraulic Nameplate		X				2-2.7	The hydraulic nameplate, if provided, shall be inspected quarterly to verify that it is attached securely to the sprinkler riser and is legible
Buildings				X		2-2.5	Annually, prior to the onset of freezing weather, buildings with wet pipe systems shall be inspected to verify that windows, skylights, doors, ventilators, other openings and closures, blind spaces, unused attics, stair towers, roof houses, and low spaces
Hangers/Bracing				X		2-2.3	Sprinkler pipe hangers and seismic braces shall be inspected annually from floor level
Pipe & Fittings				X		2-2.2	Sprinkler pipe and fittings shall be inspected annually from floor level
Sprinkler Heads				X		2-2.1.1	Sprinklers shall be inspected from floor level annually.
Spare Sprinkler Heads				X		2-2.1.3	The supply of spare sprinkler heads shall be inspected annually
Valves (all types)							(See "Valves" below)
<b>TESTING</b>							
Alarm Devices		X				2-3.2	Waterflow alarm devices including, but not limited to, mechanical water motor gongs, vanetype waterflow devices, and pressure switches that provide audible or visual signals shall be tested quarterly.
Main Drain		X					(See "Valves" below)
Antifreeze Solution				X		2-3.4	The freezing point of solutions in antifreeze shall be tested annually by measuring the specific gravity with a hydrometer or refractometer and adjusting the solutions if necessary.
Gauges					X	2-3.2	Gauges shall be replaced every 5 years or tested every 5 years by comparison with a

## Inspection and Testing Requirements for Fire Sprinkler Systems

Sprinkler System	Monthly	Quarterly	Semi-Annually	Annual	Other	Code	NFPA-25
							calibrated gauge. Gauges not accurate to within 3 percent of the full scale shall be recalibrated or replaced.
Sprinkler Heads					X	2-3.1.1	Where sprinklers have been in service for 50 years, they shall be replaced or representative samples from one or more sample areas shall be submitted to a recognized testing laboratory acceptable to the authority having jurisdiction for field service test
Sprinkler Heads – Extra High Temp					X	2-3.1.1	Exception No. 3*: Representative samples of solder-type sprinklers with a temperature classification of extra high [325_F (163_C)] or greater that are exposed to semicontinuous to continuous maximum allowable ambient temperature conditions shall be tested
Sprinkler Heads – Fast Response					X	2-3.1.1	Exception No. 2: Sprinklers manufactured using fast response elements that have been in service for 20 years shall be tested. They shall be retested at 10-year intervals.
<b>MAINTENANCE</b>							
Valves (All Types)				X	X		(See “Valves” Below)
Obstruction Investigation					X	10-2.2	Systems shall be examined internally for obstructions where conditions exist that could cause obstructed piping. If the condition has not been corrected or the condition is one that could result in obstruction of piping despite any previous flushing procedures.
Valves	Monthly	Quarterly	Semi-Annually	Annual	Other	Code	
<b>INSPECTION</b>							
Control Valves					X	9-3.3.1	All valves shall be inspected weekly
Alarm Valves	X					9-4.1.1	Alarm valves shall be

## Inspection and Testing Requirements for Fire Sprinkler Systems

Sprinkler System	Monthly	Quarterly	Semi-Annually	Annual	Other	Code	NFPA-25
Check Valves					X	9-4.2.1	externally inspected monthly Valves shall be inspected internally every 5 years to verify that all components operate properly, move freely, and are in good condition.
Preaction/Deluge Valves				X		9-4.3.1.3	The interior of the preaction or deluge valve and the condition of detection devices shall be inspected annually when the trip test is conducted.
Dry Pipe Valves / Quick Opening Devices				X		9-4.4.1.4	The interior of the dry pipe valve shall be inspected annually when the trip test is conducted.
Backflow Prevention Assemblies				X		9-6.1.2	All backflow preventers installed in fire protection system piping shall be tested annually.
<b>TESTING</b>							
Main Drain		X				9-2.6	A main drain test shall be conducted quarterly at each water-based fire protection system riser to determine whether there has been a change in the condition of the water supply piping and control valves.
Waterflow Alarm		X				9-2.7	All waterflow alarms shall be tested quarterly in accordance with the manufacturer's instructions.
Control Valves				X		9-3.4.1	Each control valve shall be operated annually through its full range and returned to its normal position.
Preaction/Deluge Valves				X		9-4.3.2.2	Each deluge or preaction valve shall be trip tested annually at full flow in warm weather and in accordance with the manufacturer's instructions.
Dry Pipe Valves/ Quick Opening Devices				X		9-4.4.2.1	Each dry pipe valve shall be trip tested annually during warm weather.
Backflow Prevention Assemblies				X		9-6.2.1	All backflow preventers installed in fire protection system piping shall be tested annually.

## Inspection and Testing Requirements for Fire Sprinkler Systems

Sprinkler System	Monthly	Quarterly	Semi-Annually	Annual	Other	Code	NFPA-25
<b>MAINTENANCE</b>							
Control Valves				X		9-3.5	The operating stems of outside screw and yoke valves shall be lubricated annually
Preaction/Deluge Valves				X		9-4.3.3.2	During the annual trip test, the interior of the preaction or deluge valve shall be cleaned thoroughly and the parts replaced or repaired as necessary.
Dry Pipe Valves/ Quick Opening Devices				X		9-4.4.3.2	During the annual trip test, the interior of the dry pipe valve shall be cleaned thoroughly and parts replaced or repaired as necessary.