



FIRE DEPARTMENT SERVICES

With life-threatening situations only a phone call away, firefighters have to be ready in a pinch — and so does their equipment. IIA is proud to serve those who serve others by providing inspections that help protect people and property.

IIA is the go-to expert for top-to-bottom fire truck inspections, including hose, pumps, ladders and other apparatus. With our customized methodology, we can test in one day what it takes others several days to complete — and that means less downtime for your emergency vehicles.

Our team has a complete understanding of NFPA testing requirements. We track your fleet's inspection needs and inform you when your equipment is due for inspections, helping your department avoid potential compliance issues. Annual records maintained by IIA and provided to each department have been accepted by the Insurance Services Organization (ISO) for years, and may help lower your township or city's insurance costs.

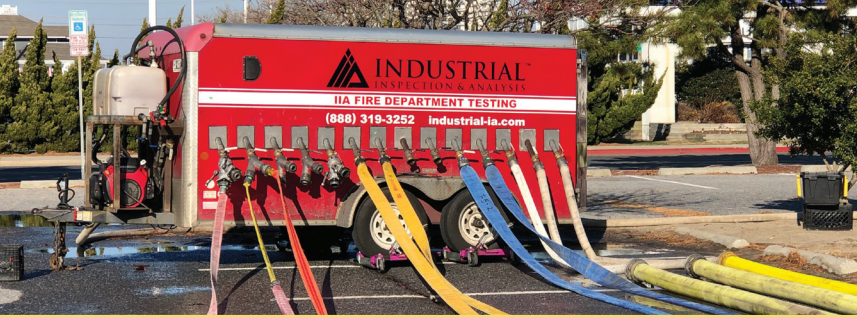


AERIAL & GROUND LADDER TESTING

IIA offers a complete inspection and non-destructive testing program to meet NFPA guidelines for testing aerial ladders, elevating platforms, water towers, and ground ladders. We test metal, fiberglass, and wood ground ladders between 5 and 45 feet in length.

Any ground ladders that are used in the fire service and sold to fire department as a 'rated ladder', are subject to a series of tests per NFPA 1932-2010 guidelines. These tests include, but are not limited to:

- VISUAL INSPECTIONS
- HORIZONTAL BEND TEST
- ROOF HOOK TEST
- HARDWARE TEST



FIRE HOSE, APPLIANCE, & NOZZLE TESTING

IIA is the premier provider of fire hose testing. Our fire hose inspections meet strict NFPA standards, and our team works quickly to minimize downtime for your fleet.

Our testing equipment allows us to test more feet of hose, under varying levels of pressure, faster and more accurately than any other company. Our crew supervisors and highly trained staff ensure that each hose length is both pressure tested and visually inspected. In fact, we can test up to 20,000 feet of hose in a single day!

IIA has a tailor-made, perfected inspection process, which includes a custom-built support structure for reloading inspected hoses. Removing hoses and racks one at a time allows other trucks to stay in service and means less downtime. Our thorough tests include flow and pressure tests to ensure there are no leaks; and our detailed recording includes: diameter, length, manufacturer, age, and location. We provide a custom inventory tagging system for each coupling, which means no failed hoses will recirculate. We have also created industry-specific cages and gauges for safe appliance and nozzle testing.

We label and record all data for each length of hose we test, in accordance with NFPA standards. We also maintain a computerized history of your fire company's hose for every year we service them.

HARD SUCTION HOSE TESTING AVAILABLE, TOO!

As an optional add-on service, IIA also tests hard suction hose using a dry vacuum versus the typical hydrostatic test. IIA will check all of your hard suction hose for air leaks, physical damage, and inner lining issues that can cause collapse of the hose walls. All of our crews are outfitted with this testing equipment and can test your hard suction hose at the same time as your regular hoses.

**KNOWN FOR OUR METICULOUS REPACKING,
WE GUARANTEE THAT YOU'LL LOVE THE WAY
EVERYTHING LOOKS WHEN WE LEAVE!**

FIRE PUMP TESTING

With our state-of-the-art mobile pump testing units, we can complete required NFPA tests at your location — which means minimal downtime for this critical equipment.

Fire pumps are tested through a series of flow rate percentages to assure they generate proper GPM and pressures. Each pump test lasts approximately 1.5 to 2 hours, depending on type, size and conditions. IIA's mobile pump testing units allow us to test apparatus on location with minimal downtime, and limited use of municipal water, water tankers, or cisterns. We use clean, cool water to test your pumps, minimizing potential damage. IIA's testing includes:

- Visual Inspection (undercarriage)
- Gathering of critical apparatus, engine, and pump information
- Capacity test, 100% at 150 PSI for 20 minutes
- Overload test, 100% at 165 psi for 5 minutes
- 70% test, at 200 PSI for 10 minutes
- 50% test at 200 psi, for 10 minutes
- Gauge accuracy
- Relief valve operation

All pump testing is immediately recorded electronically in our Safety Testing Database, which keeps track of your current and prior year service testing details.

“We used to do the hose testing ourselves, and we would spend all summer doing it. Now, it's all done in a day... When IIA crews put the hose back on the truck, it's what I call ‘parade-ready.’”

— Chief Dennis Yates, Norway Fire Department

