



Fire Prevention Division

11465 W. Civic Center Drive
Avondale, Arizona 85323
Phone: (623) 333-6000
Fax: (623) 333-0600
Website: www.avondale.org

SUPPLEMENTAL RULES & REGULATIONS

Number:	12-901.5		
Subject:	Flow Tests During Fire Protection System Acceptance Testing		
Code:	2003 International Fire Code	Code Section:	901.5
Effective Date:	July 12, 2012	Issued by:	Fire Marshal Roger Parker 
Revision Date:	NA	Issued by:	NA
Supersedes:	NA	Date:	NA

AUTHORITY:

§104.1 of the 2003 International Fire Code authorizes the fire marshal to render interpretations of the fire code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions.

PURPOSE:

To clarify the full flow testing requirements for fire protection system acceptance testing and establish rules and regulations regarding full flow testing requirements for fire protection system acceptance testing.

SCOPE:

This regulation covers all facilities, buildings, or uses within the City of Avondale after the effective date.

GENERAL:

The 2003 International Fire Code §901.5 states:

901.5 Installation acceptance testing.

Fire detection and alarm systems, fire-extinguishing systems, fire hydrant systems, fire standpipe systems, fire pump systems, private fire service mains and all other fire protection systems and appurtenances thereto shall be subject to acceptance tests as contained in the installation standards and as approved by the fire marshal. The fire marshal shall be notified before any required acceptance testing.

SUPPLEMENTAL RULE OR REGULATION:

1. As part of the fire sprinkler system acceptance test a full flow test will be required to demonstrate that the required fire sprinkler flow and pressure is obtained at the riser. A means shall be provided on the fire riser for conducting a full flow test at the highest system demand with hose allowance. Calculations and details of the test equipment configuration shall be included on the fire sprinkler drawings.

2. As part of the fire hydrant system acceptance test a flow test will be required to demonstrate that the required fire flow is obtained.

JUSTIFICATION:

A full flow test of fire sprinkler systems and the fire hydrant systems ensures that the systems operate at the system design, all private fireline valves are open, and the backflow prevention devices are operating properly to provide the required level of fire protection and life safety in accordance with the International Fire Code and National Fire Protection Association standards.