



Government of **Western Australia**  
**Fire & Emergency Services Authority**



## **FESA Message to AHSCA for Immediate Circulation.**

**28 January 2011**

### **Abolition of Designs Incorporating Pumped Booster Assembly Feed Hydrants**

The FESA Built Environment Branch have raised a concern regarding feed hydrants at some booster connections being plumbed directly into the pumped side of a fire hydrant system instead of being plumbed directly to the Water Agency main.

This has occurred where the Water Agency main is not capable of operating the booster connection feed hydrants at the minimum required flow and pressure prescribed by AS2419.1 Fire Hydrant Installations and Commissioning.

This type of design is problematic as fire fighters may set into a booster assembly using the feed hydrants assuming they are ready to commence boosting should the on-site pumps fail. Should the on-site pumps fail, the booster connection feed hydrants also fail.

The only means of being ready to boost these hydrant systems in the event of on-site pump failure is to draw water from an on-site tank by establishing a connection to a Storz hard suction connection.

The FESA Built Environment Branch request that when designing or modifying a fire hydrant system, from this point on if the Water Agency main will not support AS2419.1 compliant feed hydrant pressure and flow at a booster assembly the design is not to include any feed hydrants at the booster. There is to be only a Storz hard suction to the pump suction tank as a means of supplying water to a fire appliance for boosting purposes.

Should you have any queries regarding this advice please contact the FESA Built Environment Branch Duty Officer on (08) 9323 9300.