



State of Utah

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## Utah Department of Public Safety

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Utah State Fire Marshal

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*State Fire Marshal*

# MEMORANDUM

**TO:** Architects, Designers, Owner's & Engineers

**FROM:** Brent R. Halladay *BKH*  
Chief Deputy State Fire Marshal

**DATE:** September 14, 2007

**SUBJECT:** Water Supply Analysis

Utah Administrative Code, R710-4-3.3.2 states that whenever construction is proposed in fire sprinklered or unsprinklered occupancies, the owner or architect shall provide an engineer's Water Supply Analysis to the Utah State Fire Marshal's Office during the preliminary design phase of the proposed construction. It also states that the water analysis shall be representative of the supply that may be available at the time of a fire as required in NFPA 13.

The water supply analysis has become a significant problem over the last extended period of time. The water supply analysis is either being submitted late in the construction phase or not at all. This has caused countless problems when portions of construction are completed and the water supply requires adjustments to the fire and life safety systems that cost extensive monies to correct.

Therefore, from this date forward, on those occupancies that are under the direction of the State Fire Marshal's Office such as state owned facilities, public and private schools, colleges, universities, and institutional occupancies, a water supply analysis will be required during the preliminary design phase. If the water supply analysis has not been completed at that time, and placed on the Plan Review Submittal Form, the plans will not be accepted nor will they be reviewed until this has been completed.

The Utah State Fire Marshal Plan Review Submittal Form can be located at our office or on our website at <http://www.firemarshal.utah.gov> Please make sure your employees and contractors are aware of this change.

Thank you so much.