

DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF DRINKING WATER

Michael O. Leavitt  
Governor

Dianne R. Nielson, Ph.D.  
Executive Director

Kevin W. Brown, P.E.  
Division Director

150 North 1950 West  
P.O. Box 144830  
Salt Lake City, Utah 84114-4830  
(801) 536-4200 Voice  
(801) 536-4211 Fax  
(801) 536-4414 T.D.D.  
www.deq.state.ut.us

**SPEEDY MEMORANDUM**

TO: Mike Georgeson

FROM: Steve Onysko

DATE: October 18, 2002

SUBJECT: Plan Review: Emigration Improvement District Tank & Waterlines, Sys. #18143

On October 16, 2002, I prepared for your review a draft letter to Emigration Improvement District (E.I.D.) in which I concluded that the proposed 8" waterlines do not meet the minimum requirements of **R309-510-9 Distribution System Sizing**:

*R309-203-9. Distribution System Sizing.*

*(1) General Requirements.*

*The distribution system shall be designed to insure that a minimum of 20 psi exists at all points within the system during peak instantaneous demand conditions. If the distribution system is equipped with fire hydrants, the system shall be designed to insure that a minimum of 20 psi exists at all points within the system when needed fire flows are imposed upon the peak day demand flows of the system.*

*(4) Fire Flows.*

*(a) Distribution systems shall be designed to deliver needed fire flows if fire hydrants are provided. The design engineer shall consult with the local fire suppression authority regarding needed fire flows in the area under consideration ...*

You have concluded that the design does meet the requirements of **R309-510-9 Distribution System Sizing** principally on the basis of a letter from Salt Lake County Fire Marshall, Rand Andrus, dated October 7, 2002, in which he states: