

Certification of Hydraulic Analysis & Plan Submittal Waiver Conditions

(Project Name or Description)

(Water System Name)

(Water System Number)

(DDW File Number, If Available)

- I hereby certify that the hydraulic modeling analysis for the subject project meets all requirements as set forth in *R309-511 (Hydraulic Modeling Rule)* and complies with the provisions thereof, as well as the sizing requirements of *R309-510*, and the minimum water pressures of *R309-105-9*. Where applicable the proposed additions to the distribution system will not cause the pressures at any new or existing connections to be less than those specified in *R309-105-9*. The model is sufficiently calibrated and accurate to represent the conditions within this water system. The velocities in the model are not excessive and are within industry standards. The hydraulic modeling method is [e.g., use of computer software or hand calculations], and the computer software used was [software name and version].

Signature _____ State of Utah P.E. License No. _____
[Print Full Name Here], P.E.

Date _____

(This portion must be **checked, signed, sealed, and dated** by a professional engineer who oversees the completion of this hydraulic modeling analysis.)

- I will ensure that the design and construction of the subject project will meet the requirements of R309-550.
- I will ensure that this water system will receive a copy of the as-built or record drawings.
- I will ensure that, prior to placing the subject distribution pipelines in to service, proper flushing and disinfection will be done in accordance with ANSI/AWWA C651-05 AWWA Standard for Disinfecting Water Mains (i.e., two consecutive sample sets for each 1200 feet, end-of-line, each branch, etc., none positive, at least 24 hours apart).

Signature _____ State of Utah P.E. License No. _____
[Print Full Name Here], P.E.

Date _____

(This portion must be **checked, signed, sealed, and dated** by a professional engineer responsible for the design and construction of the project or designated by the water system in writing as the PE directly responsible for the design of the entire water system.)