



State of Utah

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Department of  
Environmental Quality

Amanda Smith  
Executive Director

DIVISION OF DRINKING WATER  
Kenneth H. Bousfield, P.E.  
Director

January 21, 2014

Val Surrage  
Taylor West Weber WID  
2815 West 3300 South  
West Haven, Utah 84401-9791

Dear Mr. Surrage:

Subject: **Waiver of Plan Review**, Distribution Waterlines Serving Eagle Gates Estates and Mallard Springs Subdivisions, System #29019, File #s 09524 and 09525

The Division of Drinking Water (the Division) received on November 25, 2013, project notification forms from your office for distribution systems serving Eagle Gates Estates and Mallard Springs Subdivision along with a request for plan submittal and review waiver in accordance with **R309-500-6(3)(b)** of the Utah Administrative Code.

Per our understanding:

- Thirty four hundred (3,400) feet of 10 inch diameter C-900 PVC pipe with hydrants and valves will be installed to serve 21 lots in Mallard Springs Subdivision (File #09524)
- Fifteen hundred (1500) feet of 8 inch diameter C-900 PVC pipe with hydrants and valves will be installed to serve 29 lots in Eagle Gates Estates (File #09525)

Your water system has formally designated Dan White as the Professional Engineer having direct responsibility for the entire water system in your letter to the Division dated August 23, 2012. The Division received a professional engineer's hydraulic modeling analysis certification by Dan White, P.E., for this project dated August 23, 2012. The construction of the proposed waterline project shall conform to the construction standards previously approved by the Division on September 12, 2012. The pipeline size is within the limits of Rule **R309-500-6(3)(b)(iii)** based on the population this water system currently serves. On this basis, **waiving of plan submittal is hereby granted** for the subject waterline projects. Please note that approvals or permits by local authority or county may be necessary before beginning construction of this project.

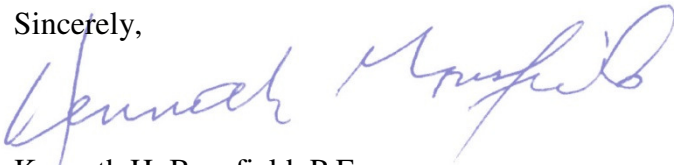
After completion of the project, **an Operating Permit must be obtained from the Director before the new waterlines can be placed in service in your water system**, as required in **R309-500-9** of the Utah Administrative Code. A checklist outlining those requirements is enclosed.

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It is assumed that water system name will own, operate and maintain these waterlines as part of their system. If this is not the case, then please contact our office immediately.

If you have any questions regarding this letter, please contact Mark Bertelson, of this office, at (801) 536-0087, or Ying-Ying Macauley, Engineering Section Manager, of this office, at (801) 536-4188.

Sincerely,



Kenneth H. Bousfield, P.E.  
Director

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Enclosure – Operating Permit Checklist

cc: Lewis Cooper, Env. Director, Weber-Morgan Health Dept., lcooper@co.weber.ut.us  
Dan White, Gardner Engineering, dan@gardnerengineering.net  
Mark Bertelson, Division of Drinking Water, mbertelson@gmail.com

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## Division of Drinking Water Checklist for Issuing Operating Permits

Water System Name: \_\_\_\_\_ System Number: \_\_\_\_\_

Project Description: \_\_\_\_\_ File Number: \_\_\_\_\_

The following items must be submitted and found to be acceptable for operating permit issuance with the exception of distribution lines without booster pumps and/or pressure-reducing valves. *[Waterline projects without booster pumps and/or pressure-reducing valves may be placed into service prior to submittal of all items or the Division's issuance of an operating permit if: (1) the water system has officially designated a professional engineer (P.E.) responsible for the entire water system; and, (2) if this designated P.E. has received a "Certification of Rule Conformance" statement issued by a P.E. and evidence of satisfactory bacteriological sample result. In this case, a public water system will submit all items needed for obtaining an operating permit for each distribution system project even after the new waterlines have been placed into service as determined by the water system's designated P.E.]*

- Utah Registered Engineer's Certification of Rule Conformance that all conditions of plan approval (including conditions set forth by the Division Director in any conditional approval letter) have been accomplished
- Utah Registered Engineer's statement of what plan changes, if any, were necessary during construction and a Certification of Rule Conformance that all of these changes were in accordance with applicable Utah Administrative Code, *R309-500 through R309-550, Drinking Water Facility, Construction, Design, and Operation Rules*
- As-built drawings have been received at the Division (unless no changes were made to the previously submitted and approved pre-construction drawings)
- Confirmation that the record drawings have been received by the water system (unless no changes were made to the previously submitted and approved pre-construction drawings)
- Evidence of proper flushing and disinfection in accordance with the appropriate ANSI/AWWA Standards
  - ANSI/AWWA C651-05 AWWA Standard for Disinfecting Water Mains
    - Two consecutive sample sets (each 1200 feet, end-of-line, each branch, etc.), none positive, at least 24 hours apart
  - ANSI/AWWA C652-02 AWWA Standard for Disinfection of Water-Storage Facilities
    - One or more samples, none positive
  - ANSI/AWWA C653-03 AWWA Standard for Disinfection of Water Treatment Plants
    - Two consecutive samples per unit, none positive, no less than 30 minutes apart
  - ANSI/AWWA C654-03 AWWA Standard for Disinfection of Wells
    - Two consecutive samples, none positive, no less than 30 minutes apart
- Water quality data, where appropriate *[Guidance: Include appropriate raw and finished water data that demonstrate the performance of the new treatment facility. Storage tank water should be analyzed for residual volatile organic compounds after tank interior painting or coating.]*
- Confirmation that the water system owner has received the O&M manual for the new facility
- Location data of new storage tank, treatment facility, or source, if applicable