



State of Utah

GARY R. HERBERT  
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Department of  
Environmental Quality

Alan Matheson  
*Executive Director*

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

June 7, 2016

Cal Welling  
Eden Waterworks  
5402 East 2200 North  
Eden, Utah 84310

Dear Mr. Welling:

Subject: **Plan Approval**, Water Line Replacement and New Water Line Serving Sandhill Crane Subdivision, System #29005, File #10426

The Division of Drinking Water (the Division) received the plans and specifications for the Sandhill Crane Subdivision project from Steve Waldrip with Eden Waterworks on May 12. Written review comments were provided to Steve Waldrip on May 16. The Division received the revised plans and specifications on May 25.

Our understanding of the project is the abandoning of approximately 1,014 feet of 4-inch water line and replacing it with 8-inch PVC C-900 water line as well as installing an additional 500 feet through the new Sandhill Crane Subdivision.

We have completed our review of the plans and specifications, stamped and signed by J. Nate Reeve, P.E. and dated May 24, and find they basically comply with the applicable portions of Utah's Administrative Rules for Public Drinking Water Systems in R309. On this basis, **the plans for the Sandhill Subdivision project are hereby approved.**

This approval pertains to construction only. **An Operating Permit must be obtained from the Director before the Sandhill Subdivision project may be put in service.** A checklist outlining the items required for operating permit issuance is enclosed for your information.

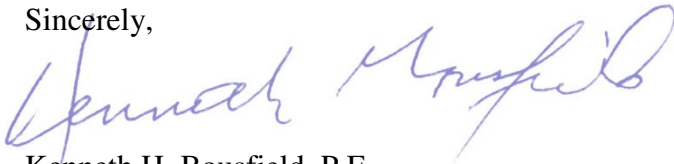
Approvals or permits from the local authority or the county may be necessary before beginning construction of this project. As the project proceeds, notice of any changes in the approved design, as well as any change affecting the quantity or quality of the delivered water, must be submitted to the Division. Because we may conduct interim and final inspections, please notify us when construction begins.

Cal Welling  
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This approval must be renewed if construction has not begun or if substantial equipment has not been ordered within one year of the date of this letter.

If you have any questions regarding this letter, please contact Gary Kobzeff, of this office, at (801) 536-0099, or Ying-Ying Macauley, Engineering Section Manager, of this office, at (801) 536-4188.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kenneth H. Bousfield".

Kenneth H. Bousfield, P.E.  
Director

GK/yym/mdb/hb

Enclosure — Operating Permit Checklist

cc: Louis Cooper, Health Director, Weber-Morgan Health Department, lcooper@co.weber.ut.us  
Chris Cave, P.E., Reeve & Associates, ccave@reeve-assoc.com  
Thom Summers, Eden Waterworks, edenwaterworks@gmail.com  
Gary Kobzeff, Division of Drinking Water, email address

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## Utah Division of Drinking Water — Checklist for Issuing Operating Permits

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

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

Items 1 through 8 below must be submitted to the Division and found to be acceptable prior to operating permit issuance. However, distribution lines without booster pumps may be placed into service prior to submitting all of the items if a professional engineer (PE) responsible for the entire water system has been identified to the Director and has received items 1 through 4 below. *[In this case, a public water system will submit all items needed to obtain an Operating Permit for each distribution system project after the new water lines have been placed into service as determined by the water system's designated PE.]*

- ☐ 1. Certification of Rule Conformance by a PE that all conditions of Plan Approval have been accomplished, and if applicable, changes made during construction were in conformance with rules R309-500 through 550
- ☐ 2. As-built or record drawings incorporating all changes to approved plans and specifications, unless no changes were made to the previously submitted and approved pre-construction drawings
- ☐ 3. Confirmation that as-built or record drawings have been received by the water system
- ☐ 4. Evidence that bacteriological samples have been collected to verify proper flushing and disinfection in accordance with the appropriate ANSI/AWWA Standards:
  - ☐ ANSI/AWWA C651-14 AWWA Standard for Disinfecting Water Mains  
Two consecutive sample sets at least 16 hours apart, none positive (every 1200 feet, end-of-line, each branch, etc.)
  - ☐ ANSI/AWWA C652-11 AWWA Standard for Disinfection of Water-Storage Facilities  
One or more samples, none positive
  - ☐ ANSI/AWWA C653-13 AWWA Standard for Disinfection of Water Treatment Plants  
Two consecutive samples per unit, none positive, no less than 30 minutes apart
  - ☐ ANSI/AWWA C654-13 AWWA Standard for Disinfection of Wells  
Two consecutive samples, none positive, no less than 30 minutes apart
- ☐ 5. Water quality data, where appropriate *[Guidance: Include appropriate raw and finished water data that demonstrate satisfactory performance of the new treatment facility. Storage tank water shall be analyzed for residual volatile organic compounds after tank interior painting or re-coating.]*
- ☐ 6. If applicable, all other documentation that may have been required during the plan review process
- ☐ 7. If applicable, confirmation that the water system owner has received the O&M manual for the new facility
- ☐ 8. If applicable, location data of new storage tank, treatment facility, or source