



State of Utah

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Department of  
Environmental Quality

Kimberly D. Shelley  
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DIVISION OF DRINKING WATER  
Tim Davis  
*Director*

February 28, 2022

Brad Blanch  
Terakee Farms  
P.O. Box 14016  
Ogden, Utah 84412

Subject: **Plan Approval**, Meter Vault and Backflow Assembly, Terakee Farms, The Barn & The Meadow Subdivisions (DS001); WBWCD North, System #29109, File #12910

Dear Brad Blanch:

The Division of Drinking Water (the Division) received the plans and specifications, prepared by Great Basin Engineering, for the proposed Meter Vault and Backflow Assembly, Terakee Farms, The Barn & The Meadow Subdivisions (DS001) from you on February 15, 2022. Written review comments were provided to you on February 22, 2022. The Division received the revised plans and specifications on February 23, 2022. This project has met the conditions for receiving a plan approval.

Our understanding of the project is the installation of a meter vault and backflow assembly (Watts RPZ 6-inch Series 009), that will provide secondary water service for The Barn at Terakee Farms Planned Residential Unit Development (PRUD) and The Meadow at Terakee Farms Subdivision. The meter and backflow assembly will tie into an existing culinary water line owned and operated by the Weber Basin Water Conservancy District. Weber Basin Water Conservancy District has approved the installation of the project.

We have completed our review of the plans and specifications, by Great Basin Engineering, 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 Meter Vault Backflow Assembly Terakee Farms The Barn & The Meadow Subdivisions (DS001) are hereby approved.**

Brad Blanch  
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This approval pertains to construction only. **An Operating Permit must be obtained from the Director before Meter Vault and Backflow Assembly, Terakee Farms, The Barn & The Meadow Subdivisions (DS001) 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. We may also conduct interim and final inspections of this project. Please notify us when actual construction begins so that these inspections can be scheduled.

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 approval, please contact Brent Arns, of this office, at (385) 549-7420, or me at (385) 515-1464.

Sincerely,



Michael Newberry, P.E.  
Engineering Manager

BA/mrn/mdb

Enclosures – Operating Permit Checklist

cc: Michelle Cooke, Weber-Morgan Health Department, mcooke@co.weber.ut.us  
Brad Blanch, Terakee Farms, bradblanch@gmail.com  
Casey Potter, Weber Basin Water Conservancy District, cpotter@weberbasin.com  
Andy Hubbard, Great Basin Engineering, andyh@greatbasineng.com  
Brent Arns, Division of Drinking Water, barns@utah.gov

DDW-2022-004270

## 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 (unless a water line project meets the requirements of R309-500-7 and is not required to obtain an Operating Permit).

Distribution lines (not including in-line booster pump stations) requiring Plan Approval may be placed into service prior to submitting all of the following items and receipt of Operating Permit if the water system has received items 1 and 4 below.

- 1. Certification of Rule Conformance by a professional engineer (P.E.) that all conditions of Plan Approval were 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 approved plans during construction)
- 3. Confirmation that as-built or record drawings have been received by the water system
- 4. Satisfactory bacteriological samples as evidence of proper disinfection and flushing 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 (e.g., every 1,200 feet, end-of-line, each branch)
  - 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 *[For example, include raw and finished water data that demonstrate satisfactory performance of the treatment facility; sample should be taken from a storage tank for residual volatile organic compounds after tank interior re-coating; etc.]*
- 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