



State of Utah

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Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF DRINKING WATER

Tim Davis
Director

December 9, 2021

Kristi Bell
Uintah City Water System
2105 East 6550 South
Uintah Utah 84405

Subject: **Plan Approval**, Bybee Tank 2 Replacement (ST002) and Bybee Tank 1 (ST003);
Uintah Town Water System, System #29020, File #12800

Dear Kristi Bell:

The Division of Drinking Water (the Division) received the plans and specifications for the replacement of the Bybee Tank with Bybee Tank 2 Replacement and Bybee Tank 1 from your consultant, Matt Hartvigsen from Jones and Associates on November 15, 2021. Final plans including professional engineer stamps were submitted to the Division December 6, 2021. This project has met the conditions for receiving a plan approval.

The original Bybee Tank was a buried concrete tank with a capacity of 250,000 gallons and, due to age and deterioration of the original concrete, will be disconnected from the system, demolished, and removed from the site. Our understanding of the project is the replacement of the original Bybee tank with the following:

- Two new buried concrete tanks will be constructed with the following details:
 - Each tank will have a capacity of 375,000 gallons.
 - The site is graded to drain away from the tanks and prevent ponding of stormwater runoff in the area.
 - A shoe box style lid with a two-inch overhang, gasket and lock will be installed (on each tank).
 - Air vents are covered with #14 mesh.
 - The site is fenced and locked to prevent intrusion.
 - Seismic structure analysis was completed on both tank's construction due to the proximity to a fault.
 - Bybee Tank 2 Replacement is identified as ST002 within the Division's database.
 - Bybee Tank 1 is identified as ST003 within the Division's database.

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We have completed our review of the plans and specifications, stamped, and signed by Matt Hartvigsen, P.E., dated December 3, 2021, 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 Bybee Tank 2 (ST002) and Bybee Tank 1 Replacement (ST003) are hereby approved.**

This approval pertains to construction only. **An Operating Permit must be obtained from the Director before Bybee Tank 2 (ST002) and Bybee Tank 1 Replacement (ST003) 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 Cheryl Parker, of this office, at (385) 271-7039, or me at (385) 515-1464.

Sincerely,



Michael Newberry, P.E.
Engineering Manager

CP/mrn/mdb

Enclosures – Operating Permit Checklist

cc: Michelle Cooke, Weber-Morgan Health Department, mcooke@co.weber.ut.us
Matt Hartvigsen, Jones and Associates, matth@jonescivil.com
Kristi Bell, Uintah City, CCKRISTIBELL@gmail.com
Jeff Holden, Uintah City, pw@uintahcity.com
Cheryl Parker, Division of Drinking Water, chparker@utah.gov

DDW-2021-040902

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