



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

February 25, 2013

James B. Banks
Lake View Water Co.
P.O. Box 314
Huntsville, UT 84317

Dear Mr. Banks:

Subject: **Conditional Plan Approval**, Water Line (6,700 feet 10-inch PVC),
System #29024, File #9168

On October 2, 2012, the Division of Drinking Water (the Division) received the plans for a water line project (6,700 feet of 10-inch PVC) from your consultant, Mark E. Babbitt, P.E., of Great Basin Engineering Inc. This submittal included a preliminary hydraulic model and a system capacity analysis for future build out of the area served by Lake View Water Company. On January 31, 2013, the Division received the specifications for this project and a revised capacity analysis based on the approved plats by Weber County. Finally on February 19, 2013, the Division received the hydraulic model and the certification by Mark E. Babbitt, P.E., and the revised specifications for the project.

Our understanding of the project is the water system plans to install 6,700 feet of 10-inch PVC pipe to connect Reservoir #1 (ST001, 80,000 gallons) and Reservoir #2 (ST002, 500,000 gallons) to The Chalets at Ski-Lake development. This line will loop the water lines from the tank to improve hydraulic distribution to The Chalets at Ski-Lake, the Edgewater Beach Resort, and the Lakeside Village Condominiums. The water line will also serve connections in The Chalets at Ski-Lake Phase 6 and Phase 7 plats. The water system is also seeking plat approval from Weber County for Phase 12 of The Summit at Ski-Lake and another phase at Edgewater Beach Resort consisting of 9 condominiums, a pool house, and 6 small commercial offices. With the approval of these additional connections, the Lakeview Water Company will use the remaining source capacity from the Mitchell Well (East Well, WS001) with a safe yield of 163 gpm and the Petersen Well (West Well, WS002) with a safe yield of 60 gpm. Any additional connections from more plat approvals at The Chalets at Ski-Lake and The Summit at Ski-Lake, additional phases to the Edgewater Beach Resort, or other miscellaneous connections will require new source development in order to meet the minimum source requirements in the Utah drinking water rules.

We have completed our review of the plans and specifications, stamped and signed by Mark E. Babbitt, P.E., and dated October 1, 2012, for the plans and February 19, 2013 for the specifications, 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 Water Line (6,700 feet 10-inch PVC) project are hereby approved with the following condition:**

The Division is aware that the Petersen Well (WS002) has on occasion exceeded the arsenic MCL of 10 ppb. Lakeview Water Company must address the arsenic compliance issues with the Petersen Well before the number of culinary water connections served by the Company exceeds the safe yield capacity of the Mitchell Well (WS001).

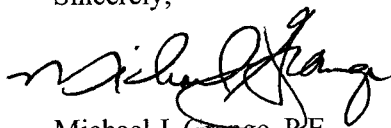
This approval pertains to construction only. **An operating permit must be obtained from the Director before the Water Line (6,700 feet 10-inch PVC) project may be put in service. Compliance with the arsenic MCL must be documented with the Division before the operating permit will be issued.** A checklist outlining the items required for operating permit issuance is enclosed for your information.

Approvals or permits by local authority or 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 letter, please contact Bob Hart, of this office, at (801) 536-0054, or Ying-Ying Macauley, Engineering Section Manager, of this office, at (801) 536-4188.

Sincerely,



Michael J. Grange, P.E.
Program Manager

REH

Enclosure — Operating Permit Checklist

cc: Louis Cooper, Env. Director, Weber-Morgan Health Department, lcooper@co.weber.ut.us
Mark Babbitt, P.E., Great Basin Engineering Inc., 5746 South, 1475 East, Ogden, UT 84403
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DIVISION OF DRINKING WATER

Checklist for Operating Permit (per Utah Administrative Code R309-500-9)

The following items must be submitted and found to be acceptable for all projects for operating permit issuance with the exception of distribution lines and distribution lines with booster pumps and pressure-reducing valves. *[Distribution system projects may be placed into service prior to submittal of all items or issuance of operating permit if a water system has officially designated a professional engineer responsible for the entire water system and if this designated engineer has received a Certification of Rule Conformance by a P.E. and proof of satisfactory bacteriological result. In this case, a public water system will submit all items needed for obtaining an operating permit for specific distribution system project even after the new waterlines has been placed into service as determined by the water system's designated professional engineer.]*

- Utah Registered Engineer's Certification of Rule Conformance that all conditions of plan approval (including conditions set forth by the Executive Secretary 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 as-built 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 treatment facility. Storage tank water should be analyzed for residual volatile organic compounds after tank interior painting or coating.]*
- Confirmation that water system owner has been provided with O&M manuals for any new facilities.
- Location data of new storage tank, treatment facility, or source, if applicable.