



State of Utah

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Governor

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Department of
Environmental Quality

Amanda Smith
Executive Director

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

July 18, 2014

Evan D. Miller
Powder Mountain Ski Resort
P.O. Box 270
Eden, UT 84310

Dear Mr. Miller:

Subject: **Plan Approval**, Summit at Powder Mountain PRUD Phase 1 (DS001 Distribution System) for Lot 116 Eden Village Nest (20 Units) and Lot 35 Eden Ridge Nest (15 Units), System #29028, File #9318

On December 20, 2013, the Division of Drinking Water (the Division) received the plans and specifications for the water lines to serve Lot 116 Eden Village Nest (20 Units) and Lot 35 Eden Ridge Nest (15 Units) at the Summit at Powder Mountain PRUD Phase 1, from your consultant, Ryan Cathey, P.E., of NV5, Inc. He submitted revised plans to address several issues of concern by the Division on June 25, 2014. The Division conditionally approved the distribution system for the Summit at Powder Mountain PRUD Phase 1 in a letter dated September 11, 2013. However, the design had not been completed at that time for the "nest cabins" to be constructed on Lot 116 and Lot 35, and one of the approval conditions was submittal of the design for the nest cabins for plan review and approval.

Our understanding of the project is the installation of an 8-inch C-900 PVC water line loop off Daybreak Ridge Drive to serve 20 nest cabin units on Lot 116, and the installation of an 8-inch HDPE DR-13.5 water line loop off Heartwood Drive to serve 15 nest cabin units on Lot 35.

We have completed our review of the plans and specifications, stamped and signed by Ryan Cathey, P.E., and dated June 25, 2014, 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 water lines to serve Lot 116 and Lot 35 are hereby approved.**

This approval pertains to construction only. **An operating permit must be obtained from the Director before the water lines to serve Lot 116 and Lot 35 may be put in service.** A checklist outlining the items required for operating permit issuance is enclosed for your information.

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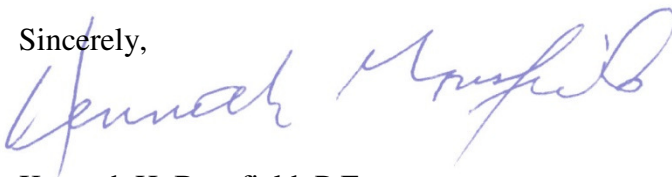
The waterline plans for six lots (1, 2, 3, 4, 9, and 10) were not included in the plans that were submitted originally or the plans for Lot 116 and Lot 35. These six lots will be served with a branch waterline in the common driveway serving these lots. Per the hydraulic model, the drop in elevation will require a pressure reducing valve. The waterline plans for these lots shall be submitted to the Division for review and approval prior to construction.

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,



Kenneth H. Bousfield, P.E.
Director

REH

Enclosure — Operating Permit Checklist

cc: Louis Cooper, Env. Director, Weber-Morgan Health Department, lcooper@co.weber.ut.us
John Reeve, Reeve and Associates Inc., jreeve@reeve-assoc.com
Sean Wilkinson, Weber County Planner, swilkinson@co.weber.ut.us
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Brandon J. Thueson, Fire Marshal, Weber Fire District, bthueson@weberfd.com
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Bob Hart, Division of Drinking Water, bhart@utah.gov

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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