



State of Utah

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Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF DRINKING WATER
Tim Davis
Director

April 7, 2022

Bill Green
Nordic Mountain Water Company
P.O. Box 897
Eden, Utah 84310

Subject: **Plan Approval**, Osprey Ranch Water Lines (DS001) & Osprey's Nest Tank (ST004);
Nordic Mtn Water Company, System #29009, File #12951

Dear Bill Green:

The Division of Drinking Water (the Division) received the plans and specifications for the proposed Osprey Ranch Water Lines (DS001) & Osprey's Nest Tank (ST004) from your consultant, Dan White of Gardner Engineering on March 14, 2022. In addition, the hydraulic modeling report for the Osprey Ranch Subdivision was also received. This project has met the conditions for receiving a plan approval.

Our understanding of the project is that the Osprey Ranch subdivision consists of 71 lots that will receive drinking water from the Nordic Mtn Water Company system, via a new pressure sustaining altitude valve that will service the new 250,000-gallon concrete Osprey Nest Storage Tank (identified as ST004 in the Division's database). In addition, this project will be comprised of (3) pressure reducing stations and distribution piping from 8 to 12-inch diameter PVC (C900) piping.

We have completed our review of the plans and specifications, stamped, and signed by Daniel Leon White, P.E., dated March 14, 2022, 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 Osprey Ranch Water Lines (DS001) & Osprey's Nest Tank (ST004) are hereby approved.**

Bill Green
Page 2 of 2
April 7, 2022

This approval pertains to construction only. **An Operating Permit must be obtained from the Director before Osprey Ranch Water Lines (DS001) & Osprey's Nest Tank (ST004) 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 Dept., mcooke@co.weber.ut.us
Bill Green, Nordic Mtn Water Company, bill.green@digs.net
Dan White, Gardner Engineering, dan@gecivil.com
David Reed, Weber County Fire, dreed@weberfd.com
Brent Arns, Division of Drinking Water, barns@utah.gov
Ted Black, Office of the State Fire Marshal, tblack@utah.gov

DDW-2022-007019

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