



PUBLIC WATER SYSTEM CONSTRUCTION PERMIT
Transient Non-Community Water System

LAWS/REGULATIONS INVOLVED

10 V.S.A. Chapter 56, Public Water Supply
VT Environmental Protection Rules, Chapter 21, Water Supply Rule

PROJECT # C-3020-13.1
WATER SYSTEM: Lake Carmi State Park

PIN # EJ95-0364
WSID # VT0008006

PERMITTEE:

STATE OF VERMONT DEPARTMENT OF FORESTS, PARKS, AND RECREATION
1 NATIONAL LIFE DRIVE DAVIS 2
MONTPELIER VT 05620

PROJECT NAME: Lake Carmi State Park Water Distribution System Improvements
TOWN LOCATION: Franklin, Vermont

The application proposes the replacement of sections of water distribution system piping and installation of two concrete valve vaults at Lake Carmi State Park. The replacement will be made with approximately 1,100 linear feet (lf) of 2-inch PVC pipe, 700 lf of 1-inch PE pipe, and appurtenances. The project will upgrade water service to the Day Use and Boat Launch areas of the Park, eliminating deteriorated galvanized watermain prone to leaks. This project, located in Franklin, Vermont, is hereby approved under the requirements for the regulations named above subject to the following conditions.

Any person aggrieved by this permit may appeal to the Environmental Court within 30 days of the date of issuance of this permit in accordance with 10 V.S.A. Chapter 220 and the Vermont Rules of Environmental Court Proceedings.

Pursuant to Subchapter 21-4 of the Water Supply Rule, this project requires a construction permit because it involves the modification of a Public Transient Non-Community Water System known as the **Lake Carmi State Park**, WSID # VT0008006 (Water System).

Subject to the conditions included herein, the State of Vermont Department of Forests, Parks, and Recreation (the Permittee) is authorized to install 1,100 linear feet of 2-inch diameter water pipe, 700 linear feet of 1-inch water pipe, two valve pits, and associated appurtenances as described in the approved design documents identified in Condition A.1 of this permit.

This permit does not authorize operation of the permitted modifications. Once the activities authorized by this Construction Permit have been completed, but prior to placing them into operation, the written signed and stamped Construction Completion Certification required by Condition A.5 of this permit shall be provided to the Division. Following receipt of the Construction Completion Certification, the Division will issue a written documentation to the Water System that formally recognizes the construction activities authorized by this Permit.

This Project is permitted to be constructed to conform to the Vermont Standards for Water System Design, Construction, and Protection (Design and Construction Standards) contained in Appendix A



of the Water Supply Rule and shall not constitute a public health hazard or a significant public health risk.

A. Standard Conditions

1. The project shall be constructed, tested, and inspected in accordance with this permit and the approved engineering drawings and specifications prepared by Facilities Engineering Division listed below:

Design Documents Reviewed as part of Permit Application		
Document Name	Document Date	Last Revision Date
Application for a Public Water System Construction Permit, Inclusive of Basis of Design	01/05/2021	None.
Engineering Drawings, Lake Carmi State Park, Water System Improvements, Sheets 1 of 9, 2 of 9, and 9 of 9	06/13/2013	None.
Engineering Drawings, Lake Carmi State Park, Water System Improvements, Sheets 3 of 9 through 8 of 9	06/13/2013	As Received on 01/19/2021

The total number of engineering drawings reviewed by the Division for this project is **nine (9)**.

This permit is based upon review that determined the design conforms to the Design and Construction Standards of the Water Supply Rule. Issuance of this permit does not relieve the Permittee of their responsibility to ensure that the Water System’s infrastructure meets the requirements of the Rule. The Permittee shall be responsible for performing any necessary actions required to resolve any sanitary deficiencies or defects identified related to the infrastructure modifications authorized by this permit.

2. The Water System is to be constructed, operated, and maintained in accordance with the Vermont Water Supply Rule and the variance granted by the Division on February 15, 2018.
3. Per Appendix A, Part 11.4.0 of the Rule, this permit authorizes the following protective measure: sleeving water pipe when the minimum vertical separation distances required by Table A11-1 cannot be met. The Record Drawings prepared per Condition A.6 of this Permit must clearly depict and label all locations where protective measures are added to horizontal installations.
4. Field inspection of the project shall be performed under the responsible charge of a Vermont-licensed Professional Engineer.
5. Prior to being placed in operation, the newly constructed portions of the Water System shall be flushed, pressure tested, disinfected, and flushed again. After this procedure, at least two sample sets must be collected from representative sample points while meeting the minimum

resampling periods between sample collection specified in the Rule and sent to a Vermont Department of Health certified laboratory for Bacteriological Examination of Public Water Supply. The Permittee shall indicate on the laboratory form that the sample is for "Construction Permit Compliance." Coliform Absent sample results are required before the system may be placed into operation for potable water use. The pressure/leakage and bacteriological test results shall be submitted to the Division.

6. Record drawings shall be prepared by the Vermont-licensed Professional Engineer responsible for observation of construction and shall depict the system as it was constructed, including any field modifications. Record Drawings shall be dated, contain the Vermont-licensed Professional Engineer Construction Completion Certification, seal and signature on each sheet, and shall be submitted to the Division and, if applicable, to the Water System providing source water and treatment (Wholesaler) within 60 days of final field inspection and approval.
7. A Construction Completion Certification, including the language below, shall be prepared by the Vermont-licensed Professional Engineer responsible for the observation of construction and submitted with a signed seal affixed:
 - i. "I hereby certify that in the exercise of my reasonable professional judgment the construction-related information submitted is true and correct and that the components of the Public Water System authorized by Public Water Supply Construction Permit # C-3020-13.1:
 1. Were installed in accordance with:
 - a. The permitted design and all permit conditions; or
 - b. Record Drawings and such Record Drawings are in compliance with the applicable rule, were filed with the Secretary, and are in accordance with all other permit conditions;
 2. Were inspected;
 3. Were properly tested; and
 4. Have successfully met those performance tests."
8. A standard for routine operation and maintenance shall be prepared. This document shall describe how to operate the Water System and list the required routine maintenance activities. The standard shall include a schematic of the Water System. The completed standard shall be submitted to the Water System and the Division for review and acceptance within 60 days of final field inspection and approval.
9. If petroleum hydrocarbon and/or chlorinated solvent contaminated soils are encountered during any phase of construction, ductile iron pipe materials shall be utilized with fluoro-elastomer gaskets. All pipe materials less than 3-inches in diameter must be copper pipe containing pressure fittings, and all other appurtenances shall be of material resistant to the contamination. *The Permittee shall notify the Waste Management and Prevention Division at (800) 641-5005 or (802) 828-1138 within 12 hours of encountering contaminated soils during this project.*
10. If leaded components including goosenecks and service lines are encountered during performance of the work authorized by this permit, the Permittee shall adhere to the following conditions:

- i. Any leaded components encountered within the Public Right-of-Way during construction shall be replaced with lead-free components.
 - ii. Within seven days of encountering the leaded components, the Permittee shall provide a letter to the Division. This letter shall describe the leaded components encountered; the location of the leaded components, including identification of applicable 911 addresses and information about the Landowner where the infrastructure is located; description of the actions performed to replace the leaded components; a description of the notifications provided to Water System users affected by the encountered lead-containing infrastructure; and a description of additional activities planned to be taken by the Permittee to address the leaded components. All leaded components encountered during this project shall be clearly depicted on the Record Drawings required per condition A.4 of this permit.
11. No changes shall be made to the permitted project without the written approval of the Division. A new or amended Construction Permit is required for all significant system improvements, or modifications to the Water System pursuant to Subchapter 21-4, Section 4.0.1 of the Water Supply Rule. These improvements or modifications shall conform to the Design and Construction Standards in Appendix A of the Water Supply Rule.
12. **Permit Expiration:** This Construction Permit expires on **March 31, 2023**. If the Construction Completion Certification has not been completed by this date, the Permittee shall obtain a new public water system construction permit prior to completing any work that was authorized by this permit.
13. This permit is not transferable or assignable and it shall automatically become invalid upon a change of ownership or upon suspension or revocation.
14. This permit is non-transferable. Prior to a change in ownership of the infrastructure authorized by this permit, the Permittee shall provide a copy of the current Construction Permit to the prospective owner, and prospective permittee(s). Written notification of a legal change in ownership is to be provided to the Division and an application for a new Construction Permit shall be submitted by the new applicant to the Division for the purpose of obtaining a new permit.
15. By acceptance of this permit, the Permittee agree to allow representatives of the State of Vermont access to the project, at reasonable times, to ascertain compliance with Vermont environmental laws and this permit.
16. Pursuant to 10 V.S.A. Chapters 56, 201 and 211, any violation of the terms and conditions of this permit, including any compliance schedule, is grounds for the initiation of an enforcement action by the State against the Permittee.
17. Issuance of this Public Water System Construction Permit does not relieve the Permittee from obtaining other permits or approvals that may be necessary for the Project.

Construction Permit C-3020-13.1
State of Vermont Department of Forests, Parks, and Recreation
Lake Carmi State Park Water Distribution System Improvements
Lake Carmi State Park
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Signed at Montpelier, VT this 22nd day of March, 2021

Peter Walke, Commissioner
Department of Environmental Conservation

By _____
Bryan J. Redmond, Division Director
Drinking Water and Groundwater Protection Division

RPP
cc: Permittee by email: State of Vermont Department of Forests, Parks, and Recreation,
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Nicholas Albertson, Administrative Contact VT0008006, nicholas.albertson@vermont.gov
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Ben Montross, Drinking Water Program Manager, DWGWP
Helen Banevicius, Administrative Services Coordinator, DWGWP
Meredith Maskell, Non-Community System Supervisor, DWGWP
WSID file VT0008006

Public Water System Construction Permit Public Comment Response

For: Attachment to C-3020-13.1, Lake Carmi State Park Water Distribution System Improvements

From: Drinking Water Groundwater Protection Division

Date: Monday, March 22, 2021

Subject: No Comments Received

The Environmental Notice Bulletin Version 2 (ENB) public comment period for the following project ended on 03/18/2021:

Public Water System Permit Number: C-3020-13.1

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No comments were received.

