

ENVIRONMENTAL REVIEW

RSA 485-F

This template contains standard language that is mandatory for the interagency environmental review. **Directions are in bold.** *Examples and suggested language are in italics.* **Please complete and return with attachments as individual electronic files.**

FORM 3: REQUIRED ATTACHMENTS

- ☒ 1-Page Executive Summary identifying project need and general scope (Word document)
- ☒ 8½ x 11 Topo map indicating project location and maximum extent of disturbance (PDF document)

I. WATER SYSTEM NAME Derry Water System
ADDRESS 14 Manning Street
Derry, NH 03038

PROJECT TITLE SOUTHERN NH REGIONAL WATER SYSTEM IMPROVEMENTS
WATER SYSTEM PWS# 0611010

II. INTRODUCTION

The Town of Derry has applied for funds through the State of New Hampshire Department of Environmental Services Drinking Water and Groundwater Trust Fund (DWGTF), in accordance with RSA 485-F.

III. BACKGROUND

Conceptual plans for regional water improvements in southern New Hampshire have been proposed by NHDES and their consultant, Weston and Sampson (W&S). The proposed water main expansion is intended to extend municipal water from Manchester Water Works (MWW) through Derry to Salem, Windham, Hampstead Area Water Company (HAWC), and Plaistow. The regional supply basis of design is summarized in a memorandum by W&S dated January 4, 2019 (Final).

The following documents have been developed and are available for public review:

- *“Southern NH Regional Water Supply – Preliminary Design Report”, by Underwood Engineers, Inc. draft dated February 8, 2019*
- *“Regional Supply Basis of Design – Final Memorandum”, by Weston & Sampson dated January 4, 2019*
- *“Peer Review – Derry Water System Alternatives Analysis – Regional Water Supply Memorandum”, by Underwood Engineers, Inc. draft dated September 12, 2018*

IV. PURPOSE and NEED

Improvements are needed in the Town of Derry to wheel water through the Town's system to the other communities. The proposed work in Derry was conceptualized in draft memos by W&S dated June 5, 2018 and Underwood Engineers (UE) dated September 12, 2018. To advance the design, a preliminary (30%) design report for Phase 1 improvements in Derry was prepared by UE in accordance with the Work Scope Authorization approved by NHDES on November 18, 2018.

V. DETAILS of PROJECT

Phase 1 improvements in Derry include these components:

- Install a pumping station near the Derry Meter Vault on Manchester Road.
- Upgrade the Rockingham Road pump station.
- Install approximately 7,600 LF of 16-inch main on Rockingham Road (Route 28) from existing system in Derry to the town line with Windham. In addition, Derry's portion of the project is proposed to extend approximately 400 LF in Windham to Goodhue Road.
- Install a pressure reducing valve (PRV) station in Derry on Route 28 north of the Windham line.

The preliminary opinion of construction cost is \$6,290,000 for the proposed projects in Derry as currently proposed, including land acquisition/easements, construction engineering, contingency (10% for mains, 15% for stations) and 8,000 LF of water main on Route 28.

VI. ENVIRONMENTAL CONCERNS and MITIGATION

The following areas of environmental concern summarize the possible impacts from this project. The primary impacts are short-term and will affect the area only during the period of construction.

Air: *impacts will be limited to dust and diesel or other fuel exhaust created during the construction of the project. There are no anticipated long-term air impacts.*

Noise: *from heavy construction machinery are the only noise impacts anticipated.*

Surface water, groundwater and wetlands: *no significant wetlands, surface or groundwater impacts are anticipated.* Erosion will be minimized by using erosion control methods such as hay bales, silt fences and rapid re-seeding of affected areas. Groundwater Discharge Permits, NPDES Construction General, and Wetlands permits may be required. A Minimum Impact Wetlands Permit is anticipated where the water main will be installed adjacent to wetlands. Best management practices will be employed in this effort. All appropriate permits shall be obtained from local, state and federal agencies as necessary.

Wildlife: *No impacts to wildlife are anticipated from this project.*

Social and Economic: *The social and economic impacts from the project are favorable.* Water customers will benefit from improved water quality and quantity from the infrastructure upgrades. Capital improvements will be paid for with grant funds at no additional cost to users in Derry. Derry will charge downstream users for water consumption to offset water operating costs.

Recreation and Historic: *No impacts to recreational or historic sites are anticipated.*

Indirect impacts: *There are no indirect impacts anticipated from this project.*

VII. PUBLIC REVIEW

The Town Council will vote on a resolution to authorize the project.

A public notice will be published by the Town of Derry and a 30-day comment period will be held.