

**State of Connecticut, Department of Public Health  
Drinking Water Section, Drinking Water State Revolving Fund (DWSRF)  
ENVIRONMENTAL ASSESSMENT SUMMARY**

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|----------------------------|--|-----------------------|-------------|
| <b>Date:</b>               | November 6, 2018   | <b>Staff Contact:</b> | Eric McPhee |
| <b>Applicant PWS Name:</b> | Manchester Water Department                                  | <b>Town:</b>          | Glastonbury |
| <b>PWSID:</b>              | CT0770021  |                       |             |
| <b>Project Name:</b>       | Manchester Water Department-Glastonbury Water Main Extension |                       |             |
| <b>Funding Source:</b>     | Drinking Water State Revolving Fund                          |                       |             |
| <b>State Funds:</b>        | \$103,748.00   |                       |             |

**This assessment is being conducted in conformance to the generic Environmental Classification Document for Connecticut state agencies to determine Connecticut Environmental Policy Act (CEPA) obligations**

**Project Description:** The Manchester Water Department (MWD) is seeking financial assistance under the Drinking Water State Revolving Fund (DWSRF) program to support the extension of a water main on Cedar Ridge Drive in Glastonbury to serve approximately 10 properties that are currently served by private wells. Based on information provided by the Town of Glastonbury, these private wells contain elevated levels of naturally occurring uranium and pose a health risk to residents. This project is intended to resolve a demonstrated public health concern at a scale which responds to the existing need without serving as an attraction to more extensive development.

The proposed project includes the installation of approximately 465 linear feet of 8-inch diameter concrete lined ductile iron pipe (CLDIP) and associated appurtenances. The new main will be connected to the existing 6-inch diameter distribution main located on Cedar Ridge Drive. The new main will be extended along Cedar Ridge Drive to the tip of the cul-de-sac to serve the homes with contaminated wells.

**Regulations of Connecticut State Agencies (RCSA) Section 22a-1a-3 Determination of environmental significance (direct/indirect)**

1. Impact on air and water quality or on ambient noise levels
  - a. Air Quality – Section 22a-174-18(b)(3)(C) of the RCSA limits the idling of mobile sources to 3 minutes. This regulation applies to most vehicles such as trucks and other diesel engine-powered vehicles commonly used on construction sites. It should be noted that only the Department of Energy and Environmental Protection (DEEP) can enforce Section 22a-174-18(b)(3)(C) of the RCSA. Therefore, it is recommended that the project sponsor include language similar to the anti-idling regulations in the contract specifications for construction in order to allow them to enforce idling restrictions at the project site without the involvement of DEEP.

DEEP typically recommends the use of newer off-road construction equipment that meets the latest EPA or California Air Resources Board (CARB) standards. If that newer equipment cannot be used, equipment with the best available controls on diesel emissions including retrofitting with diesel oxidation catalysts or particulate filters in addition to the use of ultra-low sulfur fuel would be the second choice that can be effective in reducing exhaust emissions. The use of newer equipment that meets EPA standards would obviate the need for retrofits.

DEEP also recommends the use of newer on-road vehicles that meet either the latest EPA or CARB standards for construction projects. These on-road vehicles include dump trucks, fuel

delivery trucks and other vehicles typically found at construction sites. On-road vehicles older than the 2007-model year typically should be retrofitted with diesel oxidation catalysts or diesel particulate filters for projects. The use of newer vehicles that meet EPA standards would eliminate the need for retrofits.

- b. Water Quality –Hydrostatic pressure testing wastewater discharges resulting from this project are authorized as “potable water system maintenance wastewaters” under the [Comprehensive General Permit](#) for Surface Water and Groundwater (Comprehensive General Permit). No registration is required under the Comprehensive General Permit for this discharge but Manchester Water Department must comply with operating conditions and effluent limits of the Comprehensive General Permit.
  - c. Ambient Noise Levels - The proposed project is not expected to cause significant noise in the immediate area;
2. Impact on a public water supply or serious effects on groundwater, flooding, erosion, or sedimentation
    - a. Water Supply – The proposed project is not located within a public drinking water source water protection area.
    - b. Groundwater - The proposed project is not expected to cause significant impacts to neighboring groundwater.
    - c. Flooding –The proposed project is not located within the 100-year flood zone on the community’s flood insurance rate map.
    - d. Erosion or Sedimentation – Manchester Water Department will ensure that best management practices are implemented during construction to control erosion and sedimentation.
3. Effect on natural land resources and formations, including coastal and inland wetlands, and the maintenance of in-stream flows – The proposed project is not expected to cause negative impacts. Most of the construction will be in the road.
  4. Disruption or alteration of an historic, archeological, cultural or recreational building, object, district, site or surroundings - The proposed project is not expected to cause negative impacts.
  5. Effect on natural communities and upon critical species of animal or plant and their habitats: interference with the movement of any resident or migratory fish or wildlife species – The proposed project is not expected to cause negative impacts.
  6. Use of pesticides, toxic or hazardous materials or any other substance in such quantities as to create extensive detrimental environmental impact – The proposed project is not expected to cause negative impacts.
  7. Substantial aesthetic or visual effects - The project construction is expected to be completed in a short period of time. Due to the nature and timeframe of the project construction, the project is not expected to cause substantial aesthetic or visual impacts in the area.
  8. Inconsistency with the written and/or mapped policies of the statewide Plan of Conservation and Development and such other plans and policies developed or coordinated by the Office of Policy and Management or other agency – The proposed project is designed to provide public drinking water to the

ten existing lots on Cedar Ridge Road, a cul de sac, where private drinking water wells contain high concentrations of naturally occurring uranium. The project is consistent with the Growth Management Principle #4, Policy 14: **RELY** upon the capacity of the land, to the extent possible, to provide drinking water and wastewater disposal needs beyond the limits of the existing service area. Support the introduction or expansion of public water and/or sewer services or advanced on-site wastewater treatment systems only when there is a demonstrated environmental, public health, public safety, economic, social, or general welfare concern, and then introduce such services only at a scale which responds to the existing need without serving as an attraction to more extensive development.

9. Disruption or division of an established community or inconsistency with adopted municipal or regional plans- The Town of Glastonbury's effective Plan of Conservation and Development 2007-2017 and Draft Plan of Conservation and Development 2018-2028 are silent regarding extension of water to resolve public health concerns. However, the extension is intended only to provide service at a scale which responds to the existing need. It is not intended for growth and will not disrupt the established community with more intensive development. The DPH correspondence to the Office of Policy and Management (OPM) notes that the DPH has a time sensitive opportunity to provide funding for a readily available public health solution to the homeowners on Cedar Ridge Drive. The Town of Glastonbury and the DPH are fully aware that more studies need to be undertaken to fully understand the impact that naturally occurring uranium in the area's bedrock formations has had on private wells. This process will take time to secure funding, gather the necessary data and develop a comprehensive plan for the impacted areas. In addition, the proposed project is in the Exclusive Service Area of the Metropolitan District Commission (MDC). A revision to the Exclusive Service Area Map of the Central Connecticut Water Utility Coordinating Committee must be completed prior to the Manchester Water Department's provision of public drinking water to the residents of Cedar Ridge.
10. Displacement or addition of substantial numbers of people - No significant impact expected.
11. Substantial increase in congestion (traffic, recreational, other) – The proposed project is not expected to create substantial traffic congestion in the area. The Town will provide personnel to maintain traffic rules and public safety in the area.
12. A substantial increase in the type or rate of energy use as a direct or indirect result of the action - No significant impact expected.
13. The creation of a hazard to human health or safety - Pre-existing pipes may contain PCB contamination in caulk joints and paint. Care must be taken to properly identify and manage this material when discovered. For further information, contact the Bureau of Materials Management & Compliance Assurance, PCB Program at 860-424-3368. Additional information is also available on-line at: [PCB Program](#).
14. Any other substantial impact on natural, cultural, recreational or scenic resources - No significant impact expected.

### **Conclusions:**

Based on the DPH's environmental assessment of this project which includes a review of the comments provided by the DEEP dated October 18, 2018, the Office of Policy and Management dated October 18, 2018 and response to OPM from DPH dated October 24, 2018 it has been determined that the project does not require the preparation of an Environmental Impact Evaluation (EIE) under CEPA. The DPH will coordinate with the Manchester Water Department and the Town of Glastonbury to ensure that the recommendations by the DEEP are implemented.