



Crystal Lake Water Storage Tank State of Connecticut Environmental Review Checklist

Last Updated 02/25/2020

Instructions for Use:

The Environmental Review Checklist (ERC), as defined in Sec. 22a-1a-1(9) of the Regulations of Connecticut State Agencies (RCSA), is intended to assist state agencies in (1) determining whether a proposed action or category of actions requires public scoping, or (2) in recording an agency's initial assessment of the direct, indirect, and cumulative environmental effects of a proposed action at the completion of public scoping.

For the purposes of CEPA, an Action is defined in Sec 22a-1a-1(2) of the RCSA as an individual activity or a sequence of planned activities initiated or proposed to be undertaken by an agency or agencies, or funded in whole or in part by the state.

Completion of the ERC is only *required* as part of a sponsoring agency's post-scoping notice in which the agency has determined that it will not be preparing an EIE (Sec. 22a-1a-7(d) of the RCSA).

In all other instances, the sponsoring agency has the option to use this form or portions of it, in conjunction with the applicable Environmental Classification Document (ECD), as a tool to assist it in determining whether or not scoping is required and to document the agency's review. This can be especially useful for an agency administering a proposed action that is not specifically represented in the ECD or which may have additional factors and/or indirect or cumulative impacts requiring further consideration.

Even if an agency ultimately determines that public scoping is not necessary, as a matter of public record OPM highly recommends that the agency internally document its decision, and its justification.

In completing this form, include descriptions that are clear, concise, and understandable to the general public.

Note that prior to reviewing a proposed action under the Connecticut Environmental Policy Act (CEPA), Connecticut General Statutes (CGS), Section 16a-31 requires agencies to review any proposed actions for the acquisition, development or improvement of real properties, or the acquisition of public transportation equipment or facilities, and in excess of \$200,000, for consistency with the policies of the State Plan of Conservation and Development (State C&D Plan).



State of Connecticut

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PART I – Initial Review and Determination

Date: 6/8/2022
Name of Project/Action: Crystal Lake Water Storage Tank
Project Address(es): 338 Winchester Rd
Affected Municipalities: Winchester

Sponsoring Agency(ies): CT DPH
Agency Project Number, if applicable: SFY 20-43
Project Funding Source(s)/Program(s), if known: DWSRF

Identify the Environmental Classification Document (ECD) being used in this review:

Generic, or Agency-Specific

An environmental assessment or environmental impact statement is being prepared pursuant to NEPA, and shall be circulated in accordance with CEPA requirements.

The proposed action requires a written review by the State Historic Preservation Office (SHPO) and/or Nation Tribal Historic Preservation Office (NATHPO). Include SHPO/NATHPO reviews as an attachment, or indicate the status of those reviews: *Indicate status of SHPO and/or NATHPO review.*

Based on the analysis documented in this Environmental Review Checklist (ERC), and in consideration of public comments, this agency has determined that the preparation of an Environmental Impact Evaluation (EIE) for the proposed action is not warranted. Publication of this document to the Environmental Monitor shall satisfy the agency's responsibilities under [Section 22a-1a-7 of the Regulations of Connecticut State Agencies](#) (RCSA).

Completed by: Florin Ghisa, Sanitary Engineer 3

Note that prior to commencing a CEPA review, Connecticut General Statutes (CGS) Section 16a-31 requires state agencies to review certain actions for their consistency with the policies of the State Plan of Conservation and Development (State C&D Plan). Completion of this ERC assumes the agency has determined this proposed action to be consistent with the State C&D Plan.

PART II – Detailed Project Information

Description of the Purpose & Need of the Proposed Action:

The tank is being constructed to provide a redundant finished water tank at the Water Treatment Facility, in order to give the water system the capability to take the old tank online for regular inspection and necessary repairs to the internal surface. The tank will also improve the operation of the water treatment plant by providing additional working storage and increases the emergency storage to be within accepted standards.

Description of the Proposed Action:

The project is to install a new 0.69 MG water storage tank 89.5 ft in diameter and 14.7 ft high sidewall. The tank is being constructed to provide a redundant Finished water tank at the Water Treatment Facility. In addition to construction of the new storage tank, a new access drive will be constructed and a new 12" water supply and discharge lines will be installed to connect the tank to the existing water treatment system. Electrical service and cable communications will also be provided for the tank installation.

Alternatives Considered:

The January 2021 Preliminary Engineering Report evaluated several options:

- a) Do Nothing,
- b) Repair While in Service,
- c) Provide an interconnection with another Public Water system, to Provide temporary water storage during tank repair, and
- e) Providing a second, permanent tank. This option has been determined that this one is the most economically feasible alternative.

The proposed option was e) Construct a second tank at the Treatment Plant site. This option was found to be feasible, meet all Winsted's project goals, and was found to be cost-effective. Based on selecting this option, LEI evaluated the costs of different tank materials.

LEI evaluated three different tank materials (bolted steel with fused glass lining, welded steel with painted coatings, and pre-stressed, pre-cast concrete) for both first cost and long-term operation and maintenance costs.

Public concerns or controversy associated with the proposed action:

There is no known public concern or controversy related to the proposed action. During the scoping period, there were no comments received from the public.

PART III – Site Characteristics (Check all that apply)

The proposed action is non-site specific, or encompasses multiple sites;

Current site ownership: N/A, State; Municipal, Private, Other: Please Explain.

Anticipated ownership upon project completion: N/A, State; Municipal, Private, Other: Please Explain.

Locational Guide Map Criteria:

<http://ctmaps.maps.arcgis.com/apps/webappviewer/index.html?id=ba47efccdb304e02893b7b8e8cff556a>

Priority Funding Area factors:

- Designated as a Priority Funding Area, including Balanced, or Village PFA;
- Urban Area or Urban Cluster, as designated by the most recent US Census Data;
- Public Transit, defined as being within a ½ mile buffer surrounding existing or planned mass transit;
- Existing or planned sewer service from an adopted Wastewater Facility Plan;
- Existing or planned water service from an adopted Public Drinking Water Supply Plan;
- Existing local bus service provided 7 days a week.

Conservation Area factors:

- Core Forest Area(s), defined as greater than 250 acres based on the 2006 Land Cover Dataset;
- Existing or potential drinking water supply watershed(s);
- Aquifer Protection Area(s);
- Wetland Soils greater than 25 acres;
- Undeveloped Prime, Statewide Important and/or locally important agricultural soils greater than 25 acres;
- Category 1, 2, or 3 Hurricane Inundation Zone(s);
- 100 year Flood Zone(s);
- Critical Habitat;
- Locally Important Conservation Area(s),
- Protected Land (list type): Enter text.
- Local, State, or National Historic District(s).

PART IV - Assessment of Environmental Significance – Direct, Indirect, And Cumulative Effects

Required Factors for Consideration (Section 22a-1a-3 of the RCSA)	Agency’s Assessment and Explanation
Effect on water quality, including surface water and groundwater;	The project goals of allowing for the repair of the existing tank, providing additional storage to meet peak domestic demands as well as fire flow requirements, and to provide short and long-term redundancy will have a positive effect, improving the drinking water supply quality and reliability.
Effect on a public water supply system;	The proposed project is not expected to cause any adverse impact.
Effect on flooding, in-stream flows, erosion or sedimentation;	The proposed project is not expected to cause any impacts.
Disruption or alteration of an historic, archeological, cultural, or recreational building, object, district, site or its surroundings; A. Alteration of an historic building, district, structure, object, or its setting; OR B. Disruption of an archeological or sacred site;	The proposed project is not expected to cause significant impacts.
Effect on natural communities and upon critical plant and animal species and their habitat; interference with the movement of any resident or migratory fish or wildlife species;	The Natural Diversity Database is a record of state or federal listed species maintained by the Wildlife Division that may be found in the project area. A cursory review shows that the location of this project is not located in a Natural Diversity Database Area. There are no concerns from the Wildlife Division regarding this project.
Use of pesticides, toxic or hazardous materials or any other substance in such quantities as to cause unreasonable adverse effects on the environment;	The project construction will not include any use of toxic or hazardous materials.
Substantial aesthetic or visual effects;	The project is not expected to cause substantial aesthetic or visual impacts in the area.
Inconsistency with: (A) the policies of the State C&D Plan, developed in accordance with section 16a-30 of	The project is consistent with the first policy of Growth Management Principle #1: Ensure the safety and integrity of existing infrastructure over its useful life through the timely

the CGS; (B) other relevant state agency plans; and (C) applicable regional or municipal land use plans;	budgeting for maintenance, repairs and necessary upgrades, and can serve as a performance indicator for measuring progress of the percentage of state capital investment in the priority funding area.
Disruption or division of an established community or inconsistency with adopted municipal and regional plans, including impacts on existing housing where sections 22a- 1b(c) and 8-37t of the CGS require additional analysis;	The proposed project is not expected to cause negative impacts.
Displacement or addition of substantial numbers of people;	The proposed project is not expected to cause negative impacts.
Substantial increase in congestion (traffic, recreational, other);	The proposed project is not expected to cause negative impacts.
A substantial increase in the type or rate of energy use as a direct or indirect result of the action;	The proposed project is not expected to cause negative impacts.
The creation of a hazard to human health or safety;	The proposed project is not expected to cause negative impacts.
Effect on air quality;	The proposed project is not expected to cause significant impacts to air quality. Vehicle Idling: 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. Adhering to the regulation will reduce unnecessary idling at truck staging zones, delivery or truck dumping areas and further reduce on-road and construction equipment emissions. Use of posted signs indicating the three-minute idling limit is recommended. It should be noted that only 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.
Effect on ambient noise levels;	The proposed project is not expected to cause significant noise in the immediate area.
Effect on existing land resources and landscapes, including coastal and inland wetlands;	The proposed project is not expected to cause negative impacts.

Effect on agricultural resources;	The proposed project is not expected to cause negative impacts.
Adequacy of existing or proposed utilities and infrastructure;	The proposed infrastructure (well and treatment building will be constructed in conformance with current building codes and standards.
Effect on greenhouse gas emissions as a direct or indirect result of the action;	The proposed project is not expected to cause negative impacts.
Effect of a changing climate on the action, including any resiliency measures incorporated into the action;	The proposed project is not expected to cause negative impacts.
Any other substantial effects on natural, cultural, recreational, or scenic resources.	The proposed project is not expected to cause negative impacts.
Cumulative effects.	The cumulative impacts of this project are not expected to be significant.

PART V - List of Required Permits, Approvals and/or Certifications Identified at the Time of this Review

Possible Permits include: *General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities* (DEEP-WPED-GP-015); 401 Water Quality Certification; Comprehensive General Permit for Discharges to Surface Water and Groundwater

PART VI – Sponsoring Agency Comments and Recommendations

Based on the DPH’s environmental assessment of the proposed project which includes a review of the comments provided by the DEEP dated 4/14/2022, it has been determined that the project does not require the preparation of an Environmental Impact Evaluation (EIE) under CEPA. The DPH has already coordinated with the Town of Winchester to ensure that the recommendations by the DEEP are implemented.

PART VII - Public Comments and Sponsoring Agency Responses:

Comments and responses are incorporated into the check list items above.