



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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Petition No. 205HW  
Montville Station  
Staff Report  
March 22, 1986

Connecticut Light and Power Company (CL&P) is requesting a determination that no Certificate of Public Safety and Necessity is required for the construction of an above ground, 1.4 million gallon two-cell concrete tank, and replacement by that tank of an existing 1.4 million gallon surface impoundment at CL&P's Montville Station, Montville, Connecticut.

Dr. Willam H. Smith and Dr. James G. Horsfall, members of the Siting Council and Thomas E. Fanning, Jr., staff of the Siting Council, met with Northeast Utilities (NU) representatives Thomas Arcari, Joseph Nicholas, Cindy Flynn, and Jack Ranney, on the site of the proposed project on March 15, 1988.

The project consists of the construction of an approximately 9.5-foot high, 237-foot long, and 117-foot wide, two-cell concrete tank and the removal of the existing containment basin.

The proposed tank would be located on a discontinued coal storage area between the station generator building and existing oil storage tanks, approximately 300 feet west of the Thames River. The 1.4 million gallon impoundment, known as Equalization Basin-2 (EB-2) is a component of the wastewater treatment system and a part of the existing hazardous waste facility. Prior to 1980, EB-2 has been used by CL&P as a neutralization treatment basin for wastewaters pumped from the generator boilers during maintenance periods. The highly acidic water is detoxified and neutralized through mineral extraction and neutralization processes. The treatment system is operated under a NPDES Permit, issued by the Connecticut Department of Environmental Protection (DEP), which expires in November, 1988.

The basin is lined by a single layer, hypolan liner. The 1984 Hazardous and Solid Waste Amendment to the Resource Conservation and Recovery Act, specified that double liners are mandatory for surface impoundments of this type. CL&P chose to construct the proposed tank rather than replace the liner. CL&P would detoxify and neutralize the wastewater in the impoundment; drain the impoundment; remove the sludges; remove the liner and existing dike; and fill, grade, and seed the impoundment area.

The liner would be tested for the presence of hazardous wastes, and then disposed in a manner approved by the DEP. The sludges are classified as non-hazardous and would be disposed in a landfill approved by the DEP. The proposed tank would not require a new DEP or Environmental Protection Agency permit under hazardous waste management regulations. Final approval of the proposed tank's plans is currently pending from the DEP.

CL&P contends that the new tank would be associated with the industrial process of generating electricity and would not be part of a commercial hazardous waste disposal treatment or recovery business.

CL&P contends that under Connecticut General Statute (CGS) Section 22a-115(9)(A), the new tank would not meet the definition of a modification to an existing hazardous waste facility. CL&P also contends that the project would be considered a replacement of an individual component necessary to normal operations associated with the generation of electricity and therefore would not be subject to the Council's hazardous waste jurisdiction.

The substation is located on the west bank of the Thames River, in the Uncasville section of Montville, Connecticut. The station is partially screened on the west and south by various trees, shrubs, and elevated ground. The proposed project area is basically flat and consists of moderately-drained soil. It is cleared of vegetation having been used until 1972 as a coal storage area. The containment would be excavated, filled with compacted soil, graded, and seeded.

The project area is within the 100-year flood plain but is not considered a wetland and therefore is not subject to the Inland Wetlands and Watercourses Act. The project area also is not subject to the Tidal Wetlands Act.

CL&P has applied for coastal zone location approval from the Montville Planning and Zoning Commission.

The review team recommends that CL&P use haybales or other erosion control devices to minimize erosion from water runoff during construction. The review team also requests CL&P submit to the Council, when available, copies of preliminary engineering approvals from the DEP, and location approval from the Montville Planning and Zoning Commission.

Construction would be according to the submitted plans and would commence in May, 1988 and be completed by November, 1988.

Thomas E. Fanning, Jr.  
Siting Analyst

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