



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

PHONE: 827-2604

Petition No. 147

Wallingford Refuse-to-Energy Cogeneration Project
Field Review
December 5, 1985

Mortimer Gelston, Pamela Katz, and Joel Rinebold of the Siting Council met with Dennis Martin of CRRRA, Paul McCary, Attorney for CRRRA, Walter O'Brasky of American Cyanamid and Phil Hamel, municipal representative, to review the site of the proposed switchyard/substation and interconnection line associated with the Wallingford Refuse-to-Energy Cogeneration Project.

The site of the proposed switchyard/substation and interconnection line consisted of relatively low lying, flat topography with vegetation ranging from open grasses to an immature deciduous forest. Although the site appeared to be within the Quinnipiac River floodplain, no evidence of wetland habitat was observed.

The site of the project is undeveloped, but the surrounding landuse is generally industrial with development including warehousing, plastics production, automotive services and manufacturing. Prominent features include the American Cyanamid chemical plant located immediately south of the site, the Town of Wallingford landfill located to the west of the site, and a high voltage transmission line right-of-way using 100'+ steel monopoles located southeast of the project site.

Electric utilities currently on the site include a Northeast Utilities 115kV transmission line held by wooden H-frame type structures and a Wallingford Borough Electric 13.8kV distribution line held by single wooden poles. Both lines are located along the southern perimeter of the proposed project site.

As designed and proposed by the applicant, the 13.8kV switchyard/substation (65'-0" above grade) would be located on-site between three absorber scrubbers (95'-0" above grade), a 135' stack, and a cooling tower (38'-0" above grade). The height of the interconnection line at the switchyard/substation would be 51'-4" above grade with the shield wire(s) held somewhat higher at approximately 65'. The 260' long interconnection line would cross over the Borough 13.8kV line separated by a vertical distance of 12' and would be connected at an existing 75' wooden H-frame angle structure to an existing 115kV circuit at 60' above grade.

The linking is not expected to result in any disruption of utility service during or after construction and no additional land acquisition or placement of pole structures external to the project site, other than the use of the existing N.U. H-frame pole structure, would be necessary.

Joel M. Rinebold
Sr. Siting Analyst

JMR/cp