



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

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Petition No. 103

Field Review

Manchester, Ct.

March 9, 1984

Owen Clark, Fred Doocy, and Robert Erling of the Connecticut Siting Council met Jim Weston and Don Larson of Northeast Utilities (NU) for a field review of Petition No. 103. NU is petitioning the Council for a ruling that no certificate of environmental compatibility and public need is required for the proposed additions to the Manchester 3A Substation. The additions to this 345/115 kV substation include: a fourth 345 kV line position and three 345 kV power circuit breakers; a third 345/115 kV 400 MVA autotransformer with two 115 kV oil circuit breakers; and associated steel, bus, switches, control, and protective relaying equipment.

All work would be conducted within the existing fenced area of this facility. This substation is adequately screened by evergreens, and the grading of the site is such that visibility of the equipment is minimized from the surrounding area.

The PCB content of the insulating oil which would be used in the transformer is less than 50 parts per million, which is classified as non-PCB by the U.S. Environmental Protection Agency. Radio or television reception would not be impaired by the additional equipment, and the third autotransformer would have little effect on existing property line sound levels. This facility is not within a flood hazard area or a stream channel encroachment line.

The fourth 345 kV line terminal and associated circuit breakers is needed to terminate the Manchester-Millstone 345 kV line (Docket No. 25) at the Manchester substation. The 400 MVA autotransformer with oil circuit breakers is required to meet NU's projected load requirements from the 345 kV transmission system to the 115 kV transmission system. The Company expects to begin construction, following Council approval, in May, 1984.

Robert K. Erling  
Siting Analyst

RKE/cp