

File



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051
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Gloria Dibble Pond
Chairperson

March 13, 1990

COMMISSIONERS

Energy/Telecommunications

Peter G. Boucher
Leslie Carothers

To: Parties of Record

Hazardous Waste/Low-level
Radioactive Waste

RE: DOCKET NO. 118 - The Department of Public Safety, Division of State Police Certificate of Environmental Compatibility and Public Need for the construction, operation, and maintenance of telecommunications facilities located with the Towns of North Canaan, Norfolk, and Litchfield, Connecticut.

Frederick G. Adams
Bernard R. Sullivan

COUNCIL MEMBERS

Harry E. Covey
Mortimer A. Gelston
Daniel P. Lynch, Jr.
Paulann H. Sheets
William H. Smith
Colin C. Tait

ERRATA

Joel M. Rinebold
Executive Director

At a meeting on March 12, 1990, the Connecticut Siting Council corrected Finding of Fact 31. Currently Finding of Fact 31 reads as follows:

Stanley J. Modzelesky
Executive Assistant

The electromagnetic radio frequency power density at the base of the proposed telecommunications towers, assuming all channels operating simultaneously at maximum allowable power and broadcasting from the lowest set of antennas, would be 3.8122 percent of the safe limit at the Troop "B" site, 2.9196 percent of the safe limit at the Riggs Hill site, and 2.8692 percent of the safe limit at the Troop "L" site and would all be well below the American National Standards Institute (ANSI) safe limit standard of 2.92 mW/cm² as adopted by the State of Connecticut under CGS section 22a-162. (State Police 1, p.13-0-1; State Police 7)

Finding of Fact 31 should read as follows (note underlined changes):

31. The electromagnetic radio frequency power density at the base of the proposed telecommunications towers, assuming all channels operating simultaneously at maximum allowable power and broadcasting from all antennas, would be 3.8122 percent of the safe limit at the Troop "B" site, 2.9196 percent of the safe limit at the Riggs Hill site, and 2.8692 percent of the safe limit at the Troop "L" site and all would be below the American National Standards Institute (ANSI) safe limit standard, as adopted by the State of Connecticut under CGS section 22a-162. (State Police 1, p.13-0-1; State Police 7)

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Errata
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For your convenience, enclosed you will find replacement pages 4 and 5 to the Findings of Fact.

Very truly yours,

A handwritten signature in cursive script that reads "Gloria Dibble Pond".

Gloria Dibble Pond
Chairperson

GDP/JMR/foc

enclosure
cc: Council Members
4188E

23. The basic architecture of the CTS network was determined by existing troops, district commands, headquarters, and other fixed locations including hilltop radio base stations. Four new sites would be added to provide line-of-site path for digital microwave and seven new sites would be added to meet propagation coverage requirements of the 800 MHz trunked two-way radio system. (State Police 1, p.12-1)
24. Because dispatch centers are housed at each troop, telecommunications towers must be located at each troop. Remote towers act as interconnection points and help alleviate effects of earth curvature and topographical features. (State Police 1, p.12-1; Transcript, pp.23 & 24)
25. The digital microwave network would provide known radio control, voice and data circuits, higher transmission speed for computer operation, digital intelligence interfacing at remote sites, and a building block expansion capacity. (State Police 1, p.11-2)
26. The design objective of the digital microwave radio network would provide an average path reliability of approximately 99.9 percent or 5.3 minutes of outage per year per path. (State Police 1, pp.12-2 and 12-3)
27. Tower design loadings include all current antennas (point-to-point and two-way radio), future requirements for other State/local agencies, and a hypothetical expansion of three 6-foot diameter dish antennas mounted at the top of the tower. The towers would be designed to withstand a wind loading of 90 mph wind with 1/2 inch of radial ice in accordance with EIA Standard 222-D. (State Police 1, pp.12-1, 12-2, and 13-E-1)
28. Self-supporting lattice towers were selected because of cost, greater structural strength, simpler maintenance, and their capacity for multiple use. (State Police 1, p.12-2; State Police 3, Q.2)
29. Propagation coverage of the trunked 800 MHz two-way radio system would be based on a 95 percent confidence level for a portable radio to ensure coverage in each troop area. (State Police 1, p.12-3)
30. Propagation analysis of 800 MHz coverage is considered a second priority to digital microwave service. Although coverage is deficient in some areas and could be corrected by directional antennas or additional towers, the application addresses a digital microwave radio system large enough to cover the State of Connecticut. (Transcript, pp.80-85)
31. The electromagnetic radio frequency power density at the base of the proposed telecommunications towers, assuming all channels operating simultaneously at maximum allowable power and broadcasting from all antennas, would be 3.8122 percent of the safe limit at the Troop "B" site, 2.9196 percent of the safe limit at the Riggs Hill site, and 2.8692 percent of the safe limit at the Troop "L" site

- and all would be below the American National Standards Institute (ANSI) safe limit standard, as adopted by the State of Connecticut under CGS section 22a-162. (State Police 1, p.13-O-1; State Police 7)
32. Each proposed site facility would be supplied emergency power via an engine and electric generator set. Troop "B" and Riggs Hill would each be powered by a 35 KW generator and Litchfield would have a 15 KW generator. These engines would be fueled by propane. (State Police 1, section 14; State Police 3, Q.10)
 33. Propane fuel tanks would be buried at each proposed site facility. Troop "B" and Riggs Hill would each have an approximately 3-foot by 10-foot tank holding 500 gallons of fuel while Litchfield would have an approximate 2 1/2-foot by 8-foot tank holding 250 gallons of fuel. These tanks are sized to provide three days of operation at maximum load. (State Police 1, section 14; State Police 3, Qs.9 and 10)
 34. The Department of Environmental Protection states "there are no known extant populations of federally endangered and threatened species or Connecticut 'species of special concern' occurring at the sites in question." (State Police 1, section M and 14)
 35. On September 1, 1988, the FAA found that the proposed telecommunications towers would not be a hazard to air navigation and obstruction marking or lighting would not be necessary. (State Police 1, section L; State Police 16)
 36. According to the Connecticut Historical Commission, the proposed telecommunications facilities "will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places." (State Police 1, section M and 14)

North Canaan Troop "B" Site

37. A 120-foot self-supporting, lattice tower is proposed to be constructed on the south side of Troop "B" barracks on Route 7 in North Canaan, Connecticut. (State Police 1, p.13-D-1)
38. The existing barracks consists of an approximately 25-foot by 65-foot building with telecommunications antennas mounted on the roof. (State Police 1, section H, Troop B)
39. A proposed 15-foot by 33-foot equipment shelter would be constructed adjacent to the proposed telecommunications tower. The State Police would utilize approximately 289 square feet of the proposed building. One hundred thirty square feet would be available to other users and 76 square feet for storage of an emergency engine and electric generator. (State Police 1, section 14, Troop "B"; State Police 14, Q.34)

Date: October 31, 1989

Docket No. 118

LIST OF PARTIES AND INTERVENORS - SERVICE LIST

Status Granted	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Party <input checked="" type="checkbox"/> Intervenor <input type="checkbox"/>	Department of Public Safety Division of State Police	Captain Ronald P. Milkulka Deputy Commanding Officer Connecticut State Police Police Support Services 294 Colony Street Building No. 5 Meriden, CT 06450
Party <input type="checkbox"/> Intervenor <input type="checkbox"/>		L. D. McCallum and Robert F. Vacchelli Asst. Attorneys General MacKenzie Hall 110 Sherman Street Hartford, CT 06105
Party <input type="checkbox"/> Intervenor <input checked="" type="checkbox"/>	Town of Sharon Conservation Commission Sharon, CT 06069	Phyllis Fallow, Chairman Cicily Hajek, Vice Chairman Conservation Commission Town of Sharon Sharon, CT 06069