



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Petition No. 320

Metro Mobile CTS of New County, Inc.
Meriden, Connecticut
Staff Report
April 18, 1994

On April 13, 1994, Connecticut Siting Council (Council) Chairman Mortimer A. Gelston, Council member Brian Emerick, and Fred Cunliffe of the Council's staff met with David Malko and Sandy Ranciato of Metro Mobile CTS of New Haven, Inc. (Metro Mobile) to review Metro Mobile's petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need (Certificate) would be required for the installation of cellular telecommunications antennas on an existing gasoline station sign in Meriden, Connecticut.

The existing structure consists of two steel poles supporting a sign approximately 56 feet above ground level (AGL). The half-acre size parcel is located at 921 East Main Street, in the vicinity of State Route 15, Interstate 91, and Interstate 691 interchange, and is surrounded by commercial/business development. Metro Mobile would attach two panel-type antennas on each steel support with the center of radiation at approximately 48 feet AGL. The antennas would not extend above the existing sign. Two three-foot by six-foot self-contained equipment enclosures would be installed at the base of the structure and behind an existing trash enclosure area. The equipment would be surrounded by an eight-foot high security fence.

The proposed Meriden site is an independent cell site handing off to existing Metro Mobile sites on West Peak in Meriden and in Wallingford. The proposed site would alleviate spotty coverage and increase capacity in a high traffic area. The proposed Meriden site would be operating on limited channels and at a lower power than existing conventional cell sites.

The power density would be approximately 0.296 milliwatts per square centimeter (mW/cm^2) at ground level directly beneath the sign. The current maximum allowable exposure limit for the proposed frequencies to be used at the site pursuant to the most recent standards set by the American National Standards Institute is $0.5833 \text{ mW}/\text{cm}^2$.

Council staff concludes that the installation of cellular telecommunication antennas on this existing structure would not be visibly obtrusive and the installation of self-contained equipment enclosures would be consistent with existing site characteristics.

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Siting Analyst

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