STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL
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Petition No. 324

Metro Mobile CTS of Hartford, Inc.
886 Main Street
East Hartford, CT

Staff Report
August 9, 1994

On July 29, 1994, Connecticut Siting Council (Council) member Daniel P. Lynch, Jr., Council staff member Stephen M. Howard, and Thomas Krummenacker representing Metro Mobile CTS of Hartford, Inc. (Metro Mobile), met at the site of the proposed cellular telecommunications facility at 886 Main Street, East Hartford, Connecticut.

Metro Mobile is proposing to install nine panel antennas, three each at three locations on the building. Each antenna is approximately 35 inches in height, 12 inches wide, and five inches deep. Three of the nine antennas would be attached to the building facade just below the roof line. Three additional antennas would be attached to the facade of the elevator penthouse on the roof of the building, below the penthouse roof line. The remaining three antennas would be mounted on pipes, approximately five feet in length, to be attached to the top of the elevator penthouse. Equipment associated with antennas would be located inside an 18-foot by 25-foot equipment room which would be constructed within a leased area on the ground floor of the building. The antennas would be attached at levels ranging from 99 feet above ground level to approximately 117 feet above ground level. The antennas would not extend beyond the height of the existing chimneys, vents, and television antennas on the penthouse roof. The building is not listed on any historical or architectural register, nor would it require any structural modification to support the proposed installations.

The maximum (i.e., "worst case") radio frequency power density calculations, assuming 19 channels operating simultaneously at 100 watts effective radiated power in an omni directional pattern, at the closest occupied floor of the building which is approximately 15 feet below the lowest antenna mounting point, indicate that the cellular antennas would emit 0.1186 milliwatts per square centimeter or 20.3 percent of the current ANSI standard. This calculation does not take into account the directional nature of the proposed antennas, which would likely result in a lower actual radio frequency power density at this occupied level.

Metro Mobile contends that the proposed construction would not have a substantial adverse environmental effect and therefore would not require a Certificate of Environmental Compatibility and Public Need from the Council.

Stephen M. Howard
Siting Analyst

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