STATE OF CONNECTICUT



CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401 New Britain, Connecticut 06051-4225 Phone: 827-7682

October 26, 1993

FILE

David S. Malko General Manager - Engineering Bell Atlantic Metro Mobile 20 Alexander Drive Wallingford, CT 06492

Metro Mobile CTS of New Haven, Inc., notice of intent to modify an existing telecommunications tower and associated equipment at 751 Higgins Road in Cheshire, Connecticut.

Dear Mr. Malko:

At a meeting held October 15, 1993, the Connecticut Siting Council (Council) acknowledged your notice of an exempt modification at an existing tower site at 751 Higgins Road in Cheshire, Connecticut, pursuant to section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modification is to be implemented as specified in your notice dated October 1, 1993. The modification is in compliance with the exception criteria in RSA section 16-50j-72(b) as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, and increase radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to Section 22a-162 of the Connecticut General Statutes.

The Council is pleased to note that the shared use of an existing tower serves the Council's long-term goal of protecting the public interest and avoiding proliferation of additional unnecessary tower structures.

Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston

Mortuer D. Selta

Chariman

MAG: RKE: mmb

cc: Honorable Sandra R. Mouris, Mayor, Town of Cheshire

Amz

7427E



Bell Atlantic Mobile 20 Alexander Drive P.O. Box 5029 Wallingford, CT 06492 203 269-8858

David S. Malko, P.E. General Manager - Engineering

October 1, 1993

Mr. Joel M. Rinebold, Executive Director Connecticut Siting Council 136 Main Street Suite 401 New Britain, Connecticut 06051



CONNECTICUT SITING COUNCIL

Re: Metro Mobile CTS of New Haven, Inc. - Cheshire Cell Site

Dear Mr. Rinebold:

Metro Mobile CTS of New Haven, Inc. ("Metro Mobile" or the "Company") plans to install cellular antennas and related equipment at a tower site owned by AT&T in Cheshire, Connecticut. Please accept this letter as notice of intent, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b). In further compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Mayor of Cheshire.

The existing facility is located at 751 Higgins Road in Cheshire, Connecticut and consists of a 250' self-supporting lattice tower and associated equipment building. The total height of the structure including appurtenances is 269' above ground level (AGL). The existing building, the majority of which is located underground, will house Metro Mobile's cellular equipment in an approximate 18' by 21' equipment room to be walled off on the second floor below ground. The Company also plans to install six cellular panel antennas on the tower.

The addition of Metro Mobile's antennas and equipment to the tower site does not constitute a modification as defined in C.G.S. Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the existing tower fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b).

First, the height of the existing tower will be unaffected. Six antennas, Sinclair Model SRL-410C-4R105 will be mounted at the top of the tower. The approximately four foot long antennas will not extend above the top of the tower (see the attached tower elevation). The tower will not require any structural modification to support the proposed attachments.

Second, the proposed addition will not extend the site boundaries in that the Company will be using space within a building already existing on the site (see the attached floor plan).

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. No additional air conditioning, heating or standby generator equipment will be installed at the site.

Fourth, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the ANSI standard. This tower was the subject of a previous exempt modification application by SNET Cellular on September 1, 1988. AT&T also has two microwave horn-type antennas on the tower although they are currently not in use. The following table summarizes the power density at the tower base from the two sources on the tower in relation to the standard.

<u>Frequency</u>	<u>Power Density</u>	<u>Standard Limits</u>	<pre>% of Standard</pre>
875 MHz (*)	0.0107 mW/cm^{2}	0.5833 mW/cm^2	1.8344 % (*)
885 Mhz (SNET)	0.0427	0.5900	7.2373 %
TOTAL			9.0717 %

As the table shows, the proposed addition (indicated by an"*") contributes 1.8344 % of the ANSI standard for uncontrolled environments at the cellular frequencies used, bringing the site total to 9.0717 % of the standard as calculated for a mixed frequency site.

For the foregoing reasons, Metro Mobile respectfully submits that the proposed additions of antennas and associated equipment at the Cheshire facility constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b).

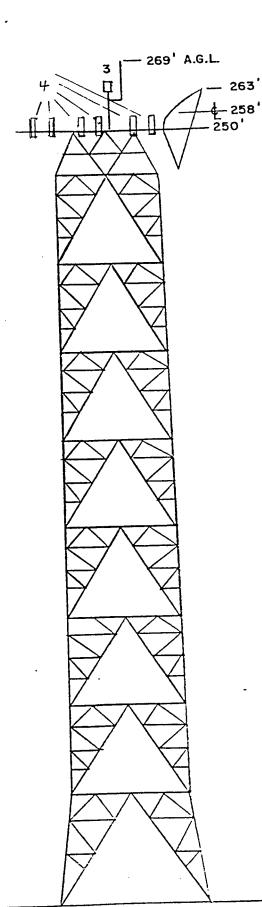
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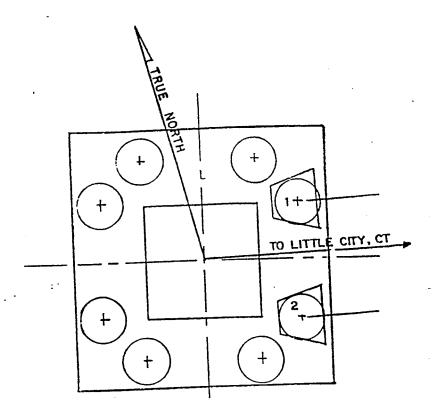
David S. Malko, P.E.

General Manager - Engineering

Attachments

cc: Honorable Sandra R. Mouris, Mayor, Town of Cheshire





CODE

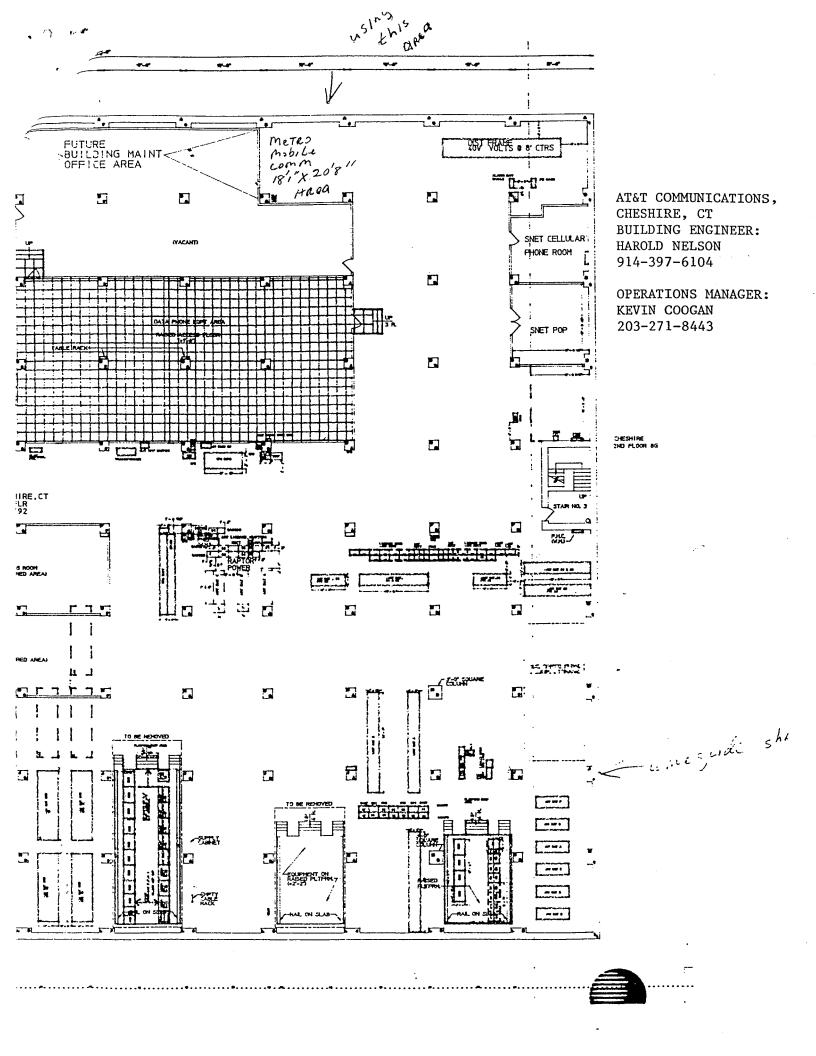
- 182 HORN REFLECTOR ANTENNAS . KS-15676, L9B.
 - 3 LIGHT & LIGHT NING ROD.
 - 4 SRL-410C-4R105 antennas 2 @ 30 degrees, 2 @ 150 degrees, 2 @ 270 degrees, at 252 c/l for Metro Mobile CTS (customer)

GROUND ELEV. 287 A.M.S.L.

R. 8-29-80 REK, 9-02-80 REK, 9-01-80 REK, 9-10-81

CHESHIRE, CONNECTICUT

AMERICAN TELEPHONE & TELEGRAPH COMPANY
POINT TO POINT MICROWAVE RADIO SERVICE
STATION KUV 33



Bell Atlantic Mobile 20 Alexander Drive P.O. Box 5029 Wallingford, CT 06492 203 269-8858

David S. Malko, P.E. General Manager - Engineering

October 1, 1993

The Honorable Sandra R. Mouris, Mayor Town of Cheshire Town Hall 84 South Main Street Cheshire, CT 06410

Dear Mayor Mouris:

Metro Mobile CTS of New Haven, Inc. ("Metro Mobile" or the "Company") plans to add antennas to the existing AT&T tower facility in Cheshire. As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies (R.C.S.A.), please accept this letter and the attached letter to the Connecticut Siting Council dated October 1, 1993, as notice of intent of our exempt modification to an existing tower facility pursuant to R.C.S.A. Section 16-50j-72(b).

The attached letter fully sets forth the Company's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

David S. Malko, P.E.

General Manager - Engineering

Attachment