



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

Gloria Dibble Pond
Chairperson

COMMISSIONERS

March 11, 1991

Energy/Telecommunications

Peter G. Boucher

Timothy R.E. Keeney

Hazardous Waste/Low-level
Radioactive Waste

Susan Addis

Judge Nicholas Cioffi

COUNCIL MEMBERS

Harry E. Covey

Mortimer A. Gelston

Daniel P. Lynch, Jr.

Paulann H. Sheets

William H. Smith

Colin C. Tait

Joel M. Rinebold
Executive Director

Stanley J. Modzelesky
Executive Assistant

Mr. David S. Malko, P.E.
Manager, Engineering & Regulatory Services
Metro Mobile
20 Alexander Drive
Wallingford, CT 06492

RE: Metro Mobile CTS of New Haven, Inc. Notice of Intent to modify an exempt telecommunications tower and equipment in Wolcott, Connecticut.

RE: Metro Mobile CTS of Hartford, Inc. Notice of Intent to modify an exempt telecommunications tower and equipment in Farmington, Connecticut.

RE: Metro Mobile CTS of Hartford, Inc. Notice of Intent to modify an exempt telecommunications tower and equipment in Windsor, Connecticut.

Dear Mr. Malko:

Due to a typographical error, the wrong date for the Council decision on exempt telecommunications towers was included to you in our letter of February 14, 1991. Enclosed please find corrected letters indicating the date on which the meeting was actually held, February 11, 1991.

Please discard the previous letter of February 14, 1991.

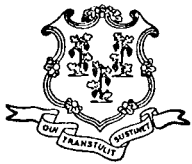
Very truly yours,

Joel M. Rinebold
Executive Director

JMR/cp

enclosures

5I64E



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

March 7, 1991

Gloria Dibble Pond
Chairperson

COMMISSIONERS

Energy/Telecommunications

Peter G. Boucher

Timothy R.E. Keeney

Hazardous Waste/Low-level
Radioactive Waste

Susan Addis

Judge Nicholas Cioffi

COUNCIL MEMBERS

Harry E. Covey

Mortimer A. Gelston

Daniel P. Lynch, Jr.

Paulann H. Sheets

William H. Smith

Colin C. Tait

Joel M. Rinebold

Executive Director

Stanley J. Modzelesky

Executive Assistant

Mr. David S. Malko, P.E.
Manager, Engineering & Regulatory Services
Metro Mobile
20 Alexander Drive
Wallingford, CT 06492

RE: Metro Mobile CTS of Hartford, Inc. Notice of intent
to modify an exempt telecommunications tower and
equipment in Windsor, Connecticut.

Dear Mr. Malko:

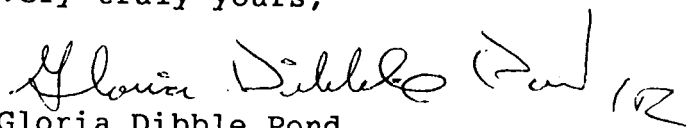
At a meeting on February 11, 1991, the Connecticut Siting Council acknowledged your notice of intent to install a microwave dish antenna at an existing tower facility in Windsor, Connecticut, pursuant to Section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modifications are to be implemented as specified in your notice dated January, 30, 1991. As proposed, the modifications are in compliance with the exception criteria specified in RSA 16-50j-72 as changes to an existing facility site that do not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary 6 decibels, and add radio frequency sending or receiving capability which increases the total 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 meets the Council's long-term goal and the public interest to avoid proliferation of additional tower structures.

Please notify the Council upon completion of construction.

Very truly yours,


Gloria Dibble Pond
Chairperson

GDP/RKE/cp

5102E-1

ORIGINAL

METRO MOBILE

The Cellular Phone Company
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492
203-269-8858

January 30, 1991

RECEIVED

JAN 31 1991

CONNECTICUT
SITING COUNCIL

Connecticut Siting Council
136 Main Street
Suite 401
New Britain, Connecticut 06051

Attention: Joel M. Rinebold, Executive Director

Re: Metro Mobile CTS of Hartford, Inc. - Windsor and Farmington
Metro Mobile CTS of New Haven, Inc. - Wolcott

Dear Mr. Rinebold:

Metro Mobile CTS of Hartford, Inc., and Metro Mobile CTS of New Haven, Inc. ("Metro Mobile" or the "Company") plans to install microwave dish antennas at the existing tower facilities in Windsor, Farmington, and Wolcott, Connecticut. Please accept this letter as notification, 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).

The existing facility in Windsor is a 160' self supporting lattice tower and building housing the cell site equipment, mobile telephone switching office (MTSO), and administrative offices. It is owned by Metro Mobile and located on Pigeon Hill Road in Windsor. The existing facility in Farmington is a site on Rattlesnake Mountain with two Metro Mobile antennas attached at the 256' level and six antennas attached at the 240' level of the 1292' Channel 61 tower, with associated cell site equipment located within an existing electronics building. The existing facility in Wolcott is a 180' self supporting lattice tower and equipment shelter. It is owned by Metro Mobile and located at the intersection of Meriden Road and Route 322 in Wolcott. Metro Mobile plans to install one microwave antenna on the Windsor tower, two microwave antennas on the Farmington tower, and two microwave antennas on the Wolcott tower. These antennas will provide a communications link between the Windsor MTSO and the new Metro Mobile regional headquarters under construction in Wallingford.

The addition of Metro Mobile's microwave antennas and equipment to the sites does not constitute a modification as defined in C.G.S. Section 16-50i(d) because the general physical characteristics of the facilities will not be significantly changed or altered. Rather, Metro Mobile's planned additions fall squarely within those activities which explicitly do not constitute a modification to existing towers, as set forth in R.C.S.A. Section 16-50j-72(b).

First, the height of the existing towers will be unaffected. One ten-foot diameter microwave dish antenna, Andrew Corporation model UHX10-59J, will be mounted on the Windsor tower with a center line of 72' above ground level (AGL). One ten-foot diameter microwave dish antenna, Andrew Corporation model UHX10-59J, and one six-foot diameter microwave dish antenna, Andrew Corporation model UHX6-59H, will be mounted on the Farmington tower with center lines of 87' and 155' AGL respectively. One ten-foot diameter microwave dish antenna, Andrew Corporation model UHX 10-59J, and one six-foot diameter microwave dish antenna, Andrew Corporation model UHX6-59H, will be mounted on the Wolcott tower with center lines of 67' and 110' AGL respectively. Thus Metro Mobile's microwave antennas will extend no higher than the 72' level of the 160' Windsor tower, the 155' level of the 1292' Farmington tower, and the 110' level of the 180' Wolcott tower.

Second, the proposed additions will not expand the sites. Metro Mobile's electronics equipment will be installed in the existing equipment buildings at the sites. No strengthening of the towers is necessary in order to support the additional loading.

Third, the proposed additions will not increase noise levels at the existing facilities by six decibels or more. The only noise resulting from Metro Mobile's planned activities would be from the light-duty trucks bringing the antennas and associated equipment to the sites and incidental noise associated with attaching the antennas to the towers.

Fourth, Metro Mobile's additional antennas will not increase the total radio frequency electromagnetic radiation power density measured at the site boundaries to a level at or above the State Department of Environmental Protection standard.

The following tables summarize the power density at the site boundaries from the various sources on the towers (including Metro Mobile's 875 MHz cellular transmission of 90 channels at 100 watts effective radiated power) in relation to the standard.

Windsor:

<u>Frequency</u>	<u>Power Density</u>	<u>Standard Limits</u>	<u>% of Standard</u>
450 MHz (Town)	0.0042 mW/cm2	1.50 mW/cm2	0.28%
875 MHz	0.0555	2.92	1.90%
5945 MHz	0.000298	5.00	0.00596%
6175 MHz	0.000237	5.00	0.00470% *
23000 MHz (Town)	0.0000059	5.00	0.00012%

Farmington:

<u>Frequency</u>	<u>Power Density</u>	<u>Standard Limits</u>	<u>% of Standard</u>
760 MHz (Ch. 61)	0.04 mW/cm2	2.50 mW/cm2	1.60%
875 MHz	0.018	2.92	0.61644%
2000 MHz	0.037	5.00	0.74%
6175 MHz	0.00023	5.00	0.00451% *
			2.96095%

Wolcott:

<u>Frequency</u>	<u>Power Density</u>	<u>Standard Limits</u>	<u>% of Standard</u>
875 MHz	0.04321 mW/cm2	2.92 mW/cm2	1.48%
6175 MHz	0.00064	5.00	0.01282% *
			1.49282%

As the first table shows, Metro Mobile's proposed addition (*) to Windsor contributes 0.00470 % of the State exposure standard for the microwave frequency range, bringing the site total to 2.19078 % of the standard as calculated for a mixed frequency site.

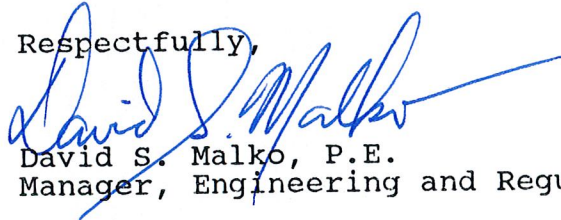
As the second table shows, Metro Mobile's proposed additions (*) to Farmington contribute 0.00451 % of the State exposure standard for the microwave frequency range, bringing the site total to 2.96095 % of the standard as calculated for a mixed frequency site.

As the third table shows, Metro Mobile's proposed additions (*) to Wolcott contribute 0.01282 % of the State exposure standard for the microwave frequency range, bringing the site total to 1.49282 % of the standard as calculated for a mixed frequency site.

For the foregoing reasons, Metro Mobile respectfully submits that the planned addition of the Company's antennas and associated equipment to the existing Metro Mobile facilities constitute exempt modifications under R.C.S.A. Section 16-50j-72(b).

A copy of this letter is being provided under separate cover to the chief elected officials of the Towns of Windsor, Farmington, and Wolcott, as required by R.C.S.A. Section 16-50j-73. Copies of these transmittal letters are attached.

Respectfully,

A handwritten signature in blue ink, reading "David S. Malko", with a long horizontal flourish extending to the right.

David S. Malko, P.E.
Manager, Engineering and Regulatory Services

Attachments

cc: Mary K. Drost, Town of Windsor
George Rider, Town of Farmington
Edward Wilensky, Town of Wolcott

METRO MOBILE

The Cellular Phone Company

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

January 30, 1991

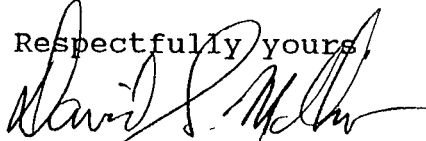
The Honorable Edward Wilensky
Mayor
Town Hall
10 Kenea Avenue
Wolcott, Connecticut 06716

Dear Mayor Wilensky:

Metro Mobile CTS of New Haven, Inc. plans to install two microwave dish antennas and related equipment at an existing tower owned by Metro Mobile at the intersection of Meriden Road and Route 322 in Wolcott, Connecticut. 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 January 30, 1991, as notice of intent of our exempt modification to an existing tower pursuant to R.C.S.A. Section 16-50j-72(b).

The attached letter fully sets forth Metro Mobile'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 at 269-8858, or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Respectfully yours,



David S. Malko, P.E.
Manager, Engineering and Regulatory Services

DSM

Attachments

METRO MOBILE

The Cellular Phone Company

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

January 30, 1991


The Honorable George Rider
Council Chairman
Town Hall
1 Monteith Drive
Farmington, Connecticut 06034-0948

Dear Mr. Rider:

Metro Mobile CTS of Hartford, Inc. plans to install two microwave dish antennas and related equipment at the existing Channel 61 tower located on Rattlesnake Mountain in Farmington, Connecticut. 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 January 30, 1991, as notice of intent of our exempt modification to an existing tower pursuant to R.C.S.A. Section 16-50j-72(b).

The attached letter fully sets forth Metro Mobile'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 at 269-8858, or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Respectfully yours



David S. Malko, P.E.
Manager, Engineering and Regulatory Services

DSM

Attachments

METRO MOBILE

The Cellular Phone Company

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

January 30, 1991

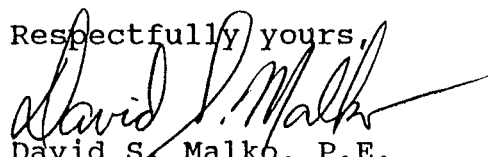
The Honorable Mary K. Drost
Mayor
Town Hall
P.O. Box 472
275 Broad Street
Windsor, Connecticut 06095

Dear Mayor Drost:

Metro Mobile CTS of Hartford, Inc. plans to install one microwave dish antenna and related equipment at an existing tower owned by Metro Mobile on Pigeon Hill Road in Windsor, Connecticut. 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 January 30, 1991, as notice of intent of our exempt modification to an existing tower pursuant to R.C.S.A. Section 16-50j-72(b).

The attached letter fully sets forth Metro Mobile'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 at 269-8858, or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Respectfully yours,



David S. Malko, P.E.
Manager, Engineering and Regulatory Services

DSM

Attachments