



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

FILE COPY

October 26, 1993

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

RE: Metro Mobile CTS of Hartford, Inc., notice of intent to modify
an existing telecommunications tower and associated equipment
at 8 Hoskins Road in Bloomfield, 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 8 Hoskins Road in Bloomfield, 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 6, 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
Mortimer A. Gelston
Chariman

MAG:RKE:mmb

cc: Honorable Faith McMahon, Mayor, Town of Bloomfield
Louie Chapman, Town Manager, Town of Bloomfield
7425E

FILL  
COPY

 Bell Atlantic Mobile

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 6, 1993

RECEIVED  
OCT - 7 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 Hartford, Inc. - Bloomfield Cell Site

Dear Mr. Rinebold:

Metro Mobile CTS of Hartford, Inc. ("Metro Mobile" or the "Company") plans to install antennas and related equipment at a tower site being developed by Springwich Cellular Limited Partnership (SCLP) and Northeast Utilities (NU) in Bloomfield, 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 Bloomfield.

The site is located at 8 Hoskins Road in Bloomfield, Connecticut and will consist of a 180' self-supporting lattice tower and associated equipment buildings. This facility was approved by the Connecticut Siting Council in its May 6, 1993 Decision and Order in Docket No. 158. Metro Mobile's preliminary plans to use this site were previously provided by SCLP in the Development and Management plan submitted to the Council on May 25, 1993. As stated in the Docket No. 158 D&M plan, it is Metro Mobile's intent to install six, four foot long, panel-type antennas and one four foot diameter microwave dish on the tower. In addition, the Company plans to erect an approximate 20' by 30' equipment shelter on the site.

The addition of Metro Mobile's antennas, equipment and shelter 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 facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b).

First, the height of the tower will be unaffected. Six antennas, Sinclair Model SRL-410C-4R105, and one microwave dish will be mounted at the 145' level of the tower. The approximately four foot long antennas and four foot diameter dish 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. The proposed equipment shelter will be located adjacent to the new tower. For reference, I have included a copy of a portion of the Docket No. 158 D&M Plot Plan which shows the proposed location of the Company's building in relation to the tower and other buildings at the site.

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. The only noise will be from air conditioners, when in use, and from temporary emergency power equipment (portable generator), if needed at the site during times of extended loss of commercial power.

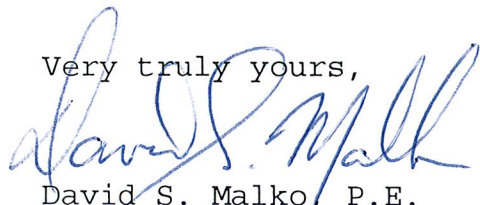
Fourth, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the ANSI standard. The following table summarizes the power density at the site boundary from the various sources on the tower in relation to the standard. As indicate earlier, this tower was the subject of Siting Council Docket No. 158, from which the information on approved sources below was obtained.

<u>Frequency</u>	<u>Power Density</u>	<u>Standard Limits</u>	<u>% of Standard</u>
885 MHz (SNET)	0.0900 mW/cm <sup>2</sup>	0.5900 mW/cm <sup>2</sup>	15.2542 %
930 MHz (SNET)	0.0178	0.6206	2.8682 %
30-300 MHz (NU)	0.0076	0.2000	3.8000 %
450 MHz (NU)	0.0027	0.3000	0.9000 %
>1500 MHz (NU)	0.0345	1.0000	3.4500 %
875 MHz (*)	0.0228	0.5833	3.90879 % (*)
<u>10551 Mhz (*)</u>	<u>0.00000097</u>	<u>7.0340</u>	<u>0.00001 % (*)</u>
TOTAL			30.26031 %

As the table shows, the proposed additions (indicated by an "\*") collectively contribute 3.90880 % of the ANSI standard for uncontrolled environments at the frequencies used, bringing the site total to 30.26031 % 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 Bloomfield facility constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b).

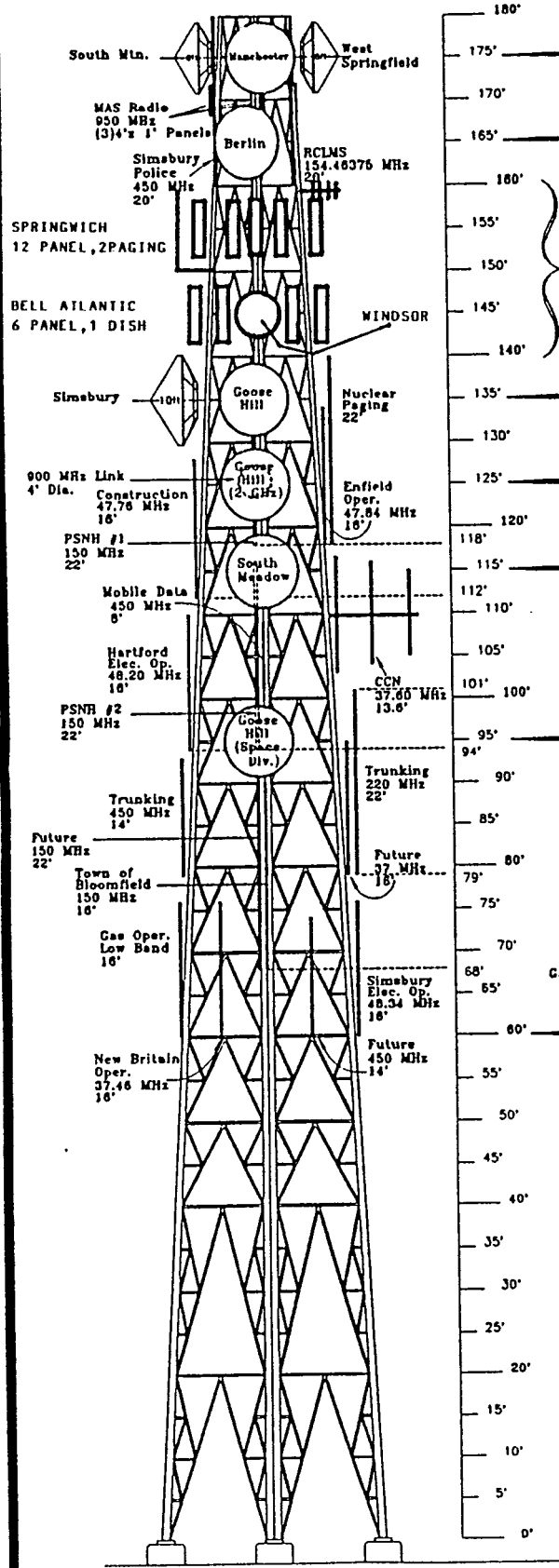
Very truly yours,



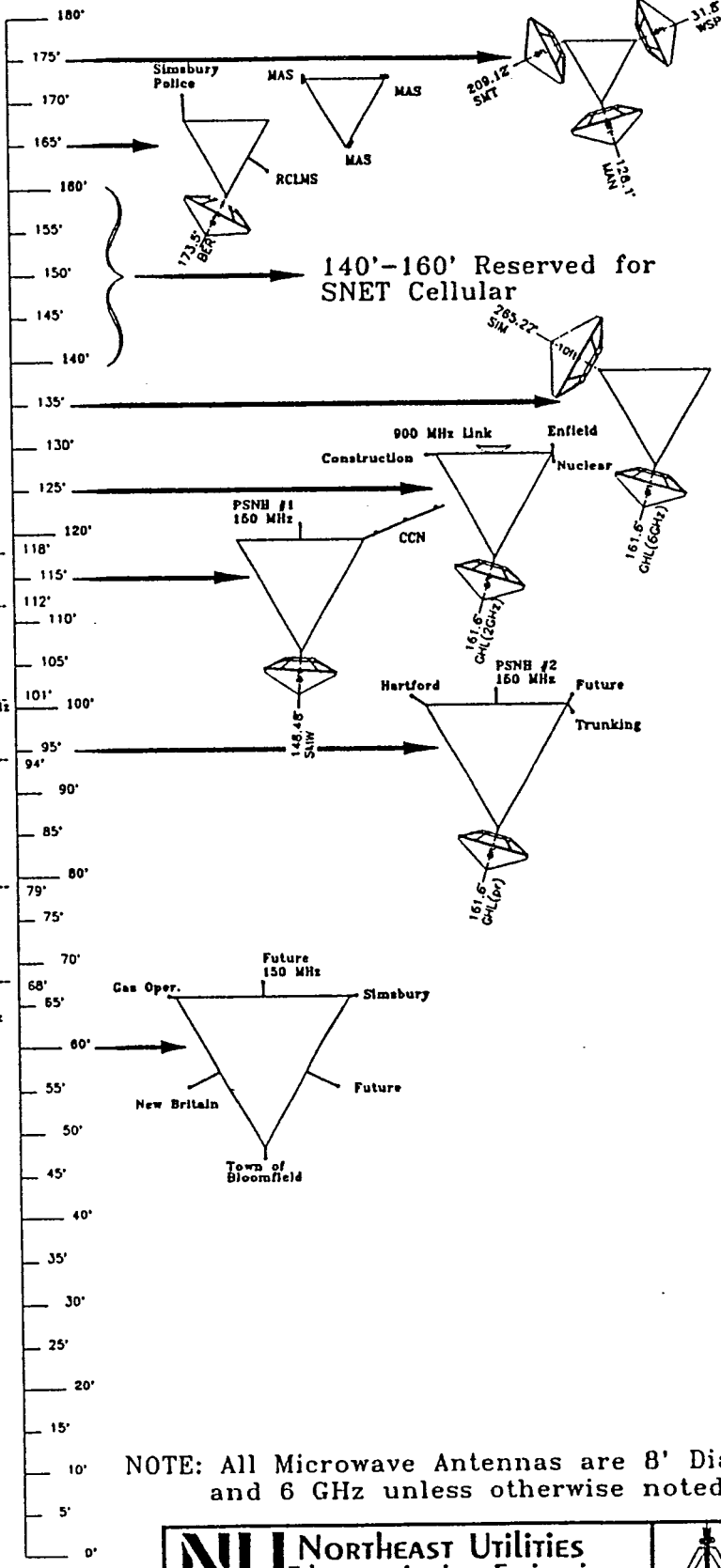
David S. Malko P.E.  
General Manager - Engineering

Attachments

cc:Honorable Faith McMahon, Mayor, Town of Bloomfield  
Louie Chapman, Town Manager, Town of Bloomfield

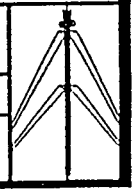


Andrew 3ST SS 180' Tower



NOTE: All Microwave Antennas are 8' Dia. and 6 GHz unless otherwise noted.

<b>NU</b> NORTHEAST UTILITIES TELECOMMUNICATIONS ENGINEERING		
TALCOTT MTN - Self Supporting Tower (3ST)		
Date: 12/03/92	Drawn By: E.G. Claxton	Revision # 1
TALJST.dwg	Designed By: Telecom Engineering	





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

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

October 6, 1993

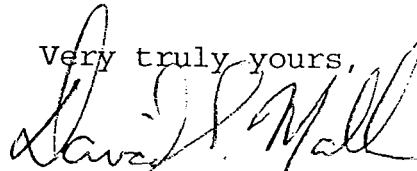
The Honorable Faith McMahon, Mayor  
Town of Bloomfield  
Town Hall  
800 Bloomfield Avenue  
Bloomfield, CT 06002

Dear Mayor McMahon:

Metro Mobile CTS of Hartford, Inc. ("Metro Mobile" or the "Company") plans to add antennas and erect an equipment shelter at the existing Northeast Utilities tower facility in Bloomfield. 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 6, 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.

Very truly yours,



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

Attachment

cc:Louie Chapman, Town Manager, Town of Bloomfield