Bell Atlantic NYNEX Mobile

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

Jennifer Young Gaudet
Manager - Regulatory

ORIGINAL

November 22, 1995

RECEIVED
NOV 22 1995
CONNECTICUT
SITING COUNCIL

HAND DELIVERED

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

Re: Bell Atlantic NYNEX Mobile - Antenna Upgrades

Dear Mr. Rinebold:

Bell Atlantic NYNEX Mobile ("BANM" or the "Company") is undertaking a system performance improvement plan which involves upgrading the antenna configurations at most of its cell sites. This letter, together with attached Schedule 1 which provides site-by-site detail, serves as BANM's notice of intent, pursuant to R.C.S.A. § 16-50j-73, of construction which constitutes exempt modifications pursuant to R.C.S.A. § 16-50j-72(b).

In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the chief elected officials of the municipalities in which the affected cell sites are located. Those individuals are listed on Schedule 2, appended hereto. A sample of the letter sent to those officials is also enclosed.

The changes include some conversions from omnidirectional to sectorized configurations, some changes in antenna model and some additions of directional antennas. As detailed below and on Schedule 1 appended hereto, the changes meet the criteria for exempt modifications.

First, the height of BANM's installations will not be increased at any of the sites; the changes may result in a decrease in height. On most Company-owned monopoles, the dual platform configuration formerly used will be modified by adding a rail assembly to each platform and removing the vertical mounting pipes between them. The panel antennas will be mounted on the top rail assembly. These antennas will replace the top-mounted omnidirectional antennas as well as the transmit/receive antennas which have been mounted between the platforms. These changes will reduce the overall height of the structures (including appurtenances). Similar changes made to lattice towers, while not utilizing a platform mount, will also result

aprvd 12/6/95

in reduced overall height at sites where top-mounted omnidirectional antennas have been used.

Second, the planned changes will not extend the site boundaries. The antenna upgrade does not involve other changes to the sites.

Third, the planned changes will not increase the noise levels at the existing facilities by six decibels or more. The change in antenna model and any additional antennas will not result in any change in noise levels.

Fourth, operation of the new antennas will not increase the total radio frequency electromagnetic radiation power density at any of the sites to a level at or above the ANSI standard. Included in Schedule 1 are the results of updated power density calculations for BANM's installations. In general, the changes will result in a decrease in power density predictions since sectorization restricts RF channel transmissions to less than a full 360° pattern and reduces effective radiated power to approximately one third of omnidirectional values. It should be noted, however, that the percentage of the ANSI standard may reflect a higher number than that shown in previous filings for sites which predated the 1992 revision to the ANSI standard. Because the effect, if any, of the change in antenna configuration is to decrease the overall power density, no updated calculations have been performed for other uses at shared sites.

Based on the foregoing and the enclosed, the Company respectfully submits that the proposed changes to the antenna configurations at the sites listed on Schedule 1 constitute exempt modifications under R.C.S.A. Section 16-50j-72(b).

Respectfully yours,

Jennifer Young Gaudet

Jennifer Young Gaudet
Manager - Regulatory

Enclosures

cc: Municipal officials listed on Schedule 2

Schedule 1
REVISED

SITE NAME	ADDRESS	TOWN	CSC REF	RAD CTR	# OF ANTS	TYPE/MODEL of ANTENNAS	POWER DENSITY	% OF STANDARD
BOLTON	130 VERNON RD	BOLTON	EXMOD	120	3	ALP-9212	0.0474	8.13
					3	ALP-6014		
BRANFORD	1801 NORTH MAIN ST	BRANFORD	DN 122	107	15	ALP-9212	0.0596	10.22
BRISTOL	32 VALLEY ST	BRISTOL	EXMOD	88	9	ALP-9212	0.0882	15.13
BRUCE GOLF COURSE	1323 KING ST	GREENWICH	EXMOD	98/103	6	ALP-9212	0.0711	12.19
CLINTON	48 COW HILL RD	CLINTON	DN 148	206	12	ALP-9212	0.0161	2.76
DANBURY	24 HOSPITAL AVE	DANBURY	DN 79	204	12	ALP-9212	0.0164	2.81
DARIEN	LEDGE RD	DARIEN	DN 155	100	14	ALP-9212	0.0682	11.7
DURHAM	101R OLD BLUE HILLS RD	DURHAM	DN 161	100	12	ALP-9212	0.0682	11.7
EAST BRIDGEPORT	939 BARNUM AVE	BRIDGEPORT	EXMOD	152	12	ALP-9212	0.0296	5.08
EAST FAIRFIELD	40 BLACKROCK TPKE	FAIRFIELD	PET 304	120	12	ALP-9212	0.0474	8.13
EAST GRANBY	NEWGATE RD	EAST GRANBY	EXMOD	80	8	ALP-9212	0.1067	18.3
					4	ALP-9209		
EAST LYME	93 ROXBURY RD	EAST LYME	DN 116	158	10	ALP-9212	0.0274	4.7
EAST NORWALK	FILBERT ST	NORWALK	PET 305	120	15	ALP-9212	0.0474	8.13
ENFIELD	OLIVER RD	ENFIELD	DN 139	150	13	ALP-9212	0.0303	5.2
FAIRFIELD	281 WOODHOUSE RD	FAIRFIELD	DN 86	160	15	ALP-9212	0.0267	4.58
FARMINGTON	RATTLESNAKE MTN	FARMINGTON	EXMOD	239	8	ALP-9212	0.012	2.06
GLASTONBURY	BIRCH MOUNTAIN RD	GLASTONBURY	DN 58	155	9	ALP-9212	0.0284	4.87
GREENWICH	5 PERRYRIDGE RD	GREENWICH	DN 73	106	12	CTY-10510	0.0608	10.43
GROTON	68 GROTON LONG POINT RD	GROTON	EXMOD	100	12	ALP-9212	0.0682	11.7
GUILFORD	131 MANOR RD	GUILFORD	DN 56	150	12	ALP-9212	0.0303	5.2
HADDAM	TURKEY HILL RD	HADDAM	DN 58	180	12	ALP-9212	0.0211	3.62
HAMDEN	1055 WINTERGREEN AVE	HAMDEN	DN 56A	173	12	ALP-9212	0.0228	3.91
HARTFORD	1 STATE ST	HARTFORD	DN 58	296	9	ALP-9212	0.0078	1.34
HARTFORD N.W.	439-455 HOMESTEAD AVE	HARTFORD	DN 126	140	12	ALP-9212	0.0348	5.98
KILLINGWORTH	TOWER HILL RD (RT 80)	KILLINGWORTH	DN 69	160	12	ALP-9212	0.0267	4.58
MERIDEN	WEST PEAK	MERIDEN	DN 93	78	8	ALP-9209	0.1122	19.25
MIDDLETOWN	213 COURT ST	MIDDLETOWN	DN 126	180	9	ALP-9212	0.0211	3.62
MILFORD	423 ORONOQUE RD	MILFORD	DN 56	100	9	ALP-9212	0.0682	11.7
NAUGATUCK	45 PEACH ORCHARD RD	NAUGATUCK	DN 56B	195	12	ALP-9212	0.018	3.09
NEW BRITAIN	155 MYRTLE ST	NEW BRITAIN	PET 283	93	12	ALP-9212	0.079	13.55
NEW HAVEN	54 MEADOW ST	NEW HAVEN	DN 140	146	15	ALP-9212	0.032	5.49
NEW HAVEN EAST	153 FORBES AVE	NEW HAVEN	PET 329	72	12	CTY-10510	0.1317	22.59
NEW LONDON	59 WESTWOOD AVE	NEW LONDON	EXMOD	80	2	DB-809	0.1067	18.3
NEWTOWN	WASHINGTON AVE (RT 34)	NEWTOWN	DN 89	182	9	ALP-9212	0.0206	3.54
NORTH BRANFORD	83 REEDS GAP RD	NORTH BRANFORD	DN 56	87	15	ALP-9212	0.0902	15.47
NORTH BRIDGEPORT	1330 CHOPSEY HILL RD	BRIDGEPORT	EXMOD	132	12	ALP-9212	0.0392	6.12

Schedule 1
REVISED

SITE NAME	ADDRESS	TOWN	CSC REF	RAD CTR	# OF ANTS	TYPE/MODEL of ANTENNAS	POWER DENSITY	% OF STANDARD
NORTH HAVEN	117 WASHINGTON AVE	NORTH HAVEN	DN 117	122	15	ALP-9212	0.0459	7.87
NORTH NORWALK	WEST ROCKS RD	NORWALK	PET 284	83	15	ALP-9212	0.0991	17
NORWALK	50 ROCKLAND RD	NORWALK	DN 73	171	12	ALP-9212	0.0234	4.01
OLD SAYBROOK EAST	2 CLARK ST	OLD SAYBROOK	PET 327	90	9	ALP-9212	0.0843	14.46
PORTLAND	OLD MARLBOROUGH TPKE	PORTLAND	DN 58	160	10	ALP-9212	0.0267	4.58
REDDING	80 LONETOWN RD	REDDING	PET 311	95	2	PD-10009	0.0757	12.98
RIDGEFIELD	76 EAST RIDGE AVE	RIDGEFIELD	DN 113	140	9	ALP-9212	0.0348	5.97
RIVERSIDE	1111 EAST PUTNAM AVE	GREENWICH	DN 120	47	12	ALP-9212	0.3091	53.02
ROCKY HILL	FRANCE ST	ROCKY HILL	DN 58	140	12	ALP-9212	0.0348	5.97
SOMERS	126 PIONEER HTS RD	SOMERS	DN 58	155	12	ALP-9212	0.0284	4.87
SOUTHBURY	KETTLETOWN RD	SOUTHBURY	DN 88	230	12	ALP-9212	0.0129	2.21
STAMFORD	300 TRESSER BLVD	STAMFORD	DN 73	206	10	ALP-9209	0.0161	2.76
					5	ALP-11008		
TALCOTT	TALCOTT MOUNTAIN	BLOOMFIELD	DN 107	55	3	ALP-6008	0.2657	38.72
	SCIENCE CENTER				3	ALP-11008		
TRUMBULL	BOOTH HILL RD/ VIDEO LN	TRUMBULL	DN 77	230	15	ALP-9212	0.0129	2.21
VERNON	SOUTH ST	VERNON	DN 58A	120	12	ALP-9212	0.0474	8.13
WEST HARTFORD	570 NEW PARK AVE	WEST HARTFORD	DN 131	150	14	ALP-9212	0.0303	5.2
WEST HAVEN	24 ROCKDALE RD	WEST HAVEN	DN 56	169	12	ALP-9212	0.0239	4.1
WETHERSFIELD	100 GREAT MEADOW RD	WETHERSFIELD	DN 139	115	12	ALP-9212	0.0516	8.86
WILLIMANTIC	349 MOUNTAIN RD	WILLIMANTIC	EXMOD	193	4	PD-10017	0.0183	3.14
WILLINGTON	56 COS GROVE RD	WILLINGTON	DN 58	138	10	ALP-11011	0.0359	6.15
WILTON	128 OLD MATHER RD	WILTON	DN 94	178	12	ALP-9212	0.0216	3.7
WINDSOR	482 PIGEON HILL RD	WINDSOR	DN 58	155	15	ALP-9212	0.0284	4.87
WINDSOR SOUTH	599 MATIANUCK AVE	WINDSOR	DN 137	100	10	ALP-9212	0.0682	11.7
WOLCOTT	347 EAST ST	WOLCOTT	DN 56	167	12	ALP-9212	0.0245	4.2
WOODSTOCK	WEST QUASSETT RD	WOODSTOCK	EXMOD	134	2	PD-1110R	0.038	6.52

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

February 7, 1990

Mr. David S. Malko, P.E.
Manager, Engineering & Regulatory Services
METRO MOBILE
50 Rockland Road
South Norwalk, CT 06854

RE: Metro Mobile CTS of Fairfield County, Inc., Notice of Intent to Install Cellular Antennas and Related Equipment on an Existing Tower Owned by Chopsey Hill Associates in Bridgeport, Connecticut.

Dear Mr. Malko:

At a meeting on February 5, 1990, the Connecticut Siting Council acknowledged your notice of intent to install exempt telecommunications equipment on a tower owned by Chopsey Hill Associates located in Bridgeport, Connecticut pursuant to Section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed action is to be implemented as specified in your notice dated January 22, 1990. As proposed, the installation of additional telecommunications equipment is in compliance with the exception criteria specified in RSA 16-50j-72 as changes to an existing non-facility tower that (1) would not cause a significant change or alteration in the physical and environmental characteristics of the site; (2) do not extend the boundaries of the site; (3) do not increase noise levels at the site boundary by 6 decibels or more; (4) do not increase the total radio frequency electromagnetic radiation power density measured at the 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; and (5) have received all municipal zoning approvals and building permits.

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

Gloria Dibble Pond
Chairperson

GDP/JMR/cp

3730E-1-2

METRO MOBILE

January 22, 1990

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

Attention: Joel M. Rinebold, Executive Director

Re: Metro Mobile CTS of Fairfield County, Inc. - Bridgeport

Dear Mr. Rinebold:

Metro Mobile CTS of Fairfield County, Inc. ("Metro Mobile" or the "Company") plans to install cellular antennas and related equipment at an existing tower owned by Chopsey Hill Associates in Bridgeport, Connecticut. Please accept this letter as notice of intent, pursuant to Regulations of Connecticut State Agencies (R.C.S.A.) Section 16-50j-73, of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Sec. 16-50j-72(c). In further compliance with R.C.S.A. Sec. 16-50j-73, a copy of this letter is being sent to the Mayor of Bridgeport.

The existing non-facility tower is a 240' self supporting lattice tower located on an approx. 3 acre parcel. Metro Mobile plans to install two omni-directional whip-type antennas and 6 directional sector antennas on the tower. Metro Mobile will also construct a 20'x20', 2 story addition to an existing building on the site to house its electronic equipment.

The addition of Metro Mobile's antennas, building, and equipment to the Chopsey Hill tower site does not constitute a substantial environmental affect since such additions do not cause a significant change or alteration in the physical and environmental charactertics of the site. Rather, Metro Mobile's planned changes to the existing non-facility tower falls squarely within those activities explicitly provided for in R.C.S.A. Sec. 16-50j-72(c).

50 Rockland Road • South Norwalk, CT 06854 • (203) 852-9292

First, the structure or height of the existing tower will be unaffected. Two antennas, Model PD-10017, will be mounted on two sidearms with the antenna base at the 145' level of the tower. One antenna will extend upward from each sidearm. Six antennas, Model PD-1132, will be mounted on three sidearms with the antenna base at the 125' level of the tower. Two antennas will extend upward approximately 12 feet from each sidearm. Thus, Metro Mobile's antennas will extend no higher than approximately the 160' level of the approximately 240' tower. The tower will not require any structural modification to support the proposed Metro Mobile attachments.

Second, the proposed addition will not extend the boundaries of the site. Metro Mobile's electronic equipment will be installed in a 2 story masonry addition to an existing building on the site within a currently fenced in area of the parcel.

Third, the proposed addition will not increase noise levels at the site boundary by six decibels or more. Except during construction, the only noise associated with Metro Mobile's equipment will be from air conditioning and temporary emergency power equipment (portable generator), when in use.

Fourth, Metro Mobile's additional antennas will not increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to a level at or above the State Department of Environmental Protection standard. The following table summarizes the power density at the site boundary from the various sources on the tower (including Metro Mobile's 875 MHz cellular transmission) in relation to the standard.

Frequency	Power Density		Standard Limits		% of Standard
1.45 MHz	10.0	mW/cm2	100	mW/cm2	10.00%
875 MHz	0.074	mW/cm2	2.92	mW/cm2	2.53%
931 MHz	0.001	mW/cm2	3.10	mW/cm2	0.04%
2 GHz	0.000003	mW/cm2	5	mW/cm2	0.00%
Site Total	N/A		N/A		12.57%

As the table shows, Metro Mobile's operation would contribute 2.53% of the State exposure standard for the cellular frequency range, bringing the site total to 12.57% of the standard as calculated for a mixed frequency site.

Finally, Metro Mobile has received all municipal zoning approvals and building permits necessary for the construction of the building addition and attachment of the antennas. Copies of these documents are attached. See Attachments 1 and 2.

For the foregoing reasons, Metro Mobile seeks a ruling that its proposed additions to the non-facility tower would not cause a significant change or alteration in the physical and environmental charactertistics of the site, pursuant to R.C.S.A Sec. 16-50j-72(c)(1). Metro Mobile further submits that the changes comply with R.C.S.A Sections 16-50j-72(c), (2) thru (5) and therefore requests a determination that the placement of the Company's antennas, building and associated equipment on the existing non-facility tower site does not constitute a substantial environmental effect under R.C.S.A Sec. 16-50j-72(c).

Respectfully yours,

David S. Malko

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

DSM:ds
Attachments

cc: Mayor, City of Bridgeport

ATTACHMENT 1

BUILDING PERMIT

Building Department

City of Bridgeport, Connecticut

No. 12165

DEC 2 7 1989 ....19....

Permission is hereby granted to ....CHOPSEY HILL ASSOCIATES & E. & F. DEVELOPMENT....

to erect ....TWO STORY ADDITION TO MASONRY BUILDING AND ANTENNA....

Located at No. ....1330 CHOPSEY HILL ROAD.... Street

THIS PERMIT IS GRANTED ON CONDITION THAT ALL CITY, STATE AND FEDERAL RULES REGULATIONS AND LAWS ARE COMPLIED WITH.

A CERTIFICATE OF OCCUPANCY MUST BE GRANTED BEFORE BUILDING OR ADDITIONS IS OCCUPIED.

THIS PERMIT EXPIRES SIX (6) MONTHS FROM DATE IF WORK IS NOT COMMENCED.

CALL OFFICE WHEN WORK IS STARTED, Telephone 576-7225, Building Department.

Special Conditions: .....

Building fee	$....410
Occupancy fee	$....3
Total	$....413

PETER J. PAAJANEN, *Deputy Building Official*

FRANK A. MERCALDI, *Building Official*

34

Form 1209

ATTACHMENT 2

BRIDGEPORT ZONING BOARD OF APPEALS

Room 206 — 45 Lyon Terrace — Bridgeport, Connecticut 06604

At a meeting held in City Hall, on Tuesday, November 14 and Tuesday, November 21, 1989

RE: 1330 Chopsey Hill Rd. & 800 Trumbull Avenue

Petition of Metro-Mobile Cts of Fairfield County, Inc., lessee, waive regulation prohibiting the extension and enlargement of an existing nonconforming use in an A-RESIDENCE ZONE to permit the construction of a 2-sty. masonry addition to the existing nonconforming transmission equipment building. (CONTINUED from 10/10/89)

PUBLIC HEARING, Tuesday, November 14 and Tuesday, November 21, 1989 - Variance of Chap. 20 Sec. 3 GRANTED, subject to the following conditions:

1. The development of the subject property shall be substantially in accord with the plans submitted.
2. The petitioner shall file plans and applications for the issuance of a Certificate of Zoning Compliance and a Building permit.

(over)

NOTE—Unless acted upon within six months this grant becomes void. Your failure to comply with any conditions applicable to this action will also void the rights and privileges granted hereby. This is not a Building Permit and any structure or building contemplated by this action can only be started after proper application to and issuance of such permit by the Building Official. Other approvals or permits, required by law, should be sought from the proper authorities before exercising any part of this grant.

William A. Shaw ..... Clerk

34

Form 2113

(over)

3. All construction shall conform with the requirements of the Basic Building Code of the State of CT.

The "Board" assigned the following reason for its action:

1. The development, as proposed, would not create any adverse effects on the immediate area.