



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

10 Franklin Square  
New Britain, Connecticut 06051  
Phone: (860) 827-2935  
Fax: (860) 827-2950

August 11, 1997

Jennifer Young Gaudet  
Regulatory Manager  
Bell Atlantic NYNEX Mobile  
20 Alexander Drive, P.O. Box 5029  
Wallingford, CT 06492

Re: **DOCKET NO. 139** - Bell Atlantic NYNEX Mobile, Certificate of Environmental Compatibility and Public Need for telecommunications facilities in the Towns of Enfield, East Hartford, and Wethersfield, Connecticut. Notice of Intent to Modify Enfield Facility.

Dear Ms. Gaudet:

At a public meeting held on August 6, 1997, the Connecticut Siting Council (Council) acknowledged your notice to modify an existing telecommunications facility in Enfield, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified in your notice dated July 18, 1997. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies 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 six decibels, and increase 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 General Statutes § 22a-162. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Science and Technology, Bulletin No. 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston  
Chairman

MAG/RKE/ss

c: Honorable Mary Lou Strom, Mayor of Enfield

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

**Jennifer Young Gaudet**  
Manager - Regulatory

July 18, 1997

**RECEIVED**

JUL 18 1997

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 - Enfield Cell Site

Dear Mr. Rinebold:

Bell Atlantic NYNEX Mobile ("BANM" or the "Company") plans to allow Smart SMR of New York, Inc., d/b/a Nextel Communications ("Nextel") to install antennas and related equipment at the existing BANM facility in Enfield, Connecticut. Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b). In compliance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Mayor of Enfield.

The existing facility consists of a 160' monopole tower, an equipment shelter and an equipment pad with cabinets located off of Oliver Road in Enfield. This facility was approved by the Connecticut Siting Council in its March 11, 1991 Decision and Order in **Docket No. 139**.

Nextel will mount up to twelve panel antennas, Swedcom Model ALP-E 9011-Din, approximately 4' in length, at approximately the 125' level of the tower. An equipment shelter, approximately 7' x 11', will be installed adjacent to the tower.

The addition of Nextel's antennas and equipment to the tower site does not constitute a modification as defined in C.G.S. § 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. § 16-50j-72(b).

First, the height of the tower will be unaffected. Nextel's panel type antennas will be installed with the center of radiation at approximately the 125' level of the tower. Each antenna will extend up and down approximately two feet from its center of radiation. Nextel's GPS antenna will be mounted on its equipment shelter. Thus, the additional antennas will not extend the current total structure height.

Mr. Joel M. Rinebold  
July 18, 1997  
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Second, the proposed addition will not extend the site boundaries. The proposed equipment shelter will be constructed adjacent to the tower within the existing fenced area. In order to accommodate Nextel's equipment shelter, the location of the planned generator will be changed from that shown in BANM's February 7, 1997 notice to the Council. The proposed changes are shown on the attached site plan, which also reflects the as-built location of equipment recently installed by Sprint pursuant to the February 7, 1997 notice.

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. As indicated in BANM's February 7, 1997 notice, the only incremental noise will result from the occasional exercising of the emergency generator for periodic maintenance and during emergency outage events.

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. A "worst-case" calculation for a point at the base of the tower for BANM's and Sprint's operations indicates a power density of 6.27% of the ANSI standard for uncontrolled environments ( $0.583 \text{ mW/cm}^2$  for BANM's cellular frequencies and  $1.305 \text{ mW/cm}^2$  for Sprint's frequencies). Nextel's operation would add  $0.0115 \text{ mW/cm}^2$ , or 2.01% of the ANSI standard of approximately  $0.572 \text{ mW/cm}^2$ . Thus, the calculated "worst-case" power density for the planned combined operation at the site is 8.28% of the ANSI standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, BANM respectfully submits that the proposed addition of antennas and equipment at the Enfield facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b).

Respectfully yours,



Jennifer Young Gaudet  
Manager - Regulatory

cc: Honorable Mary Lou Strom, Mayor

# SMARTSMA

SMART SMR OF NEW YORK, INC.

ONE N. PROPERTY 2ND FLOOR  
WHITE PLAINS, N.Y. 10613  
OFFICE (914) 421-2200  
FAX (914) 421-2205

PROJECT NUMBER

7513

DRAWN BY

JAH

CHECKED BY

RUC

DATE

8/17/97

NO.

DATE

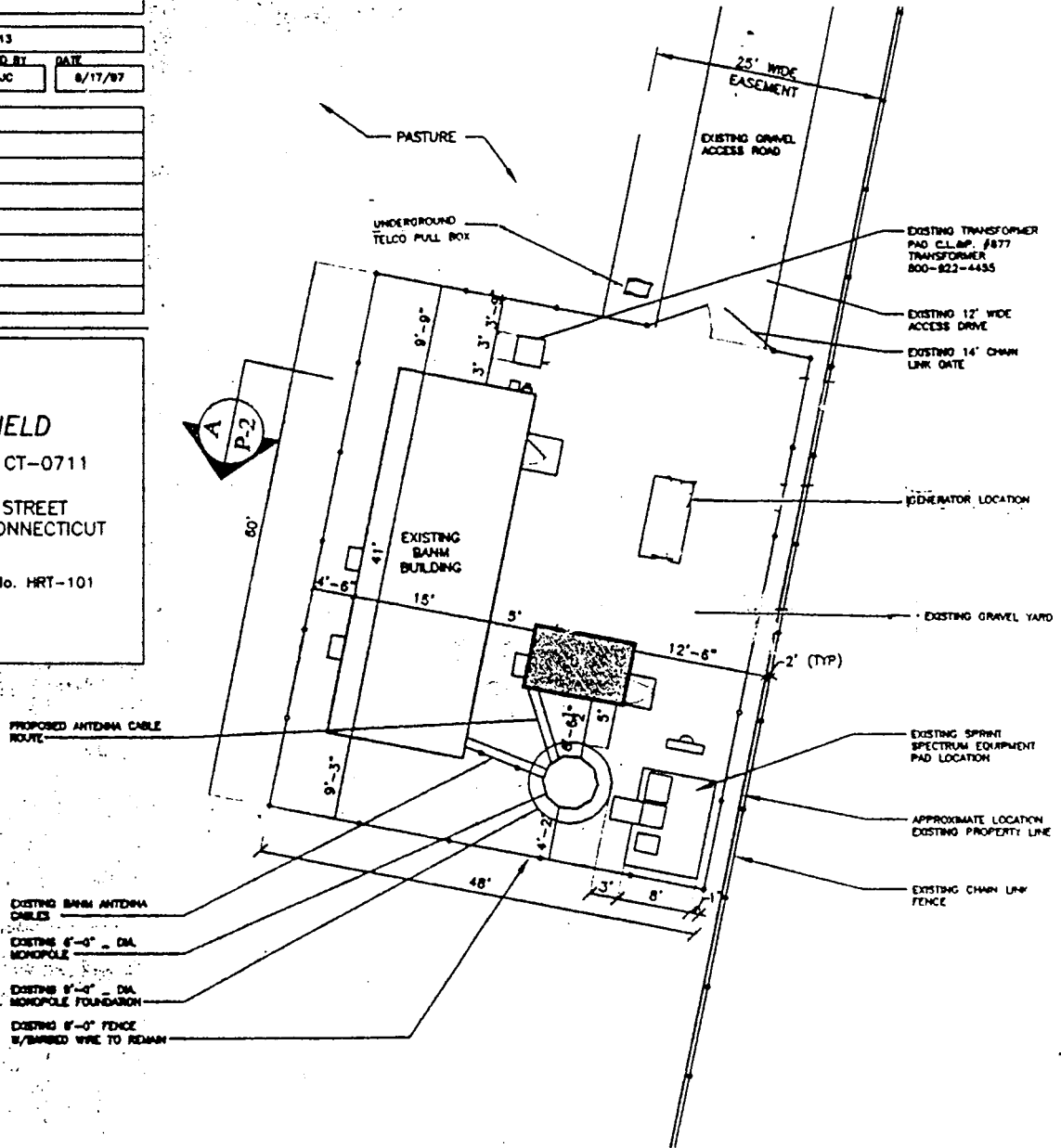
ISSUE


## ENFIELD

SITE No. CT-0711

OLIVER STREET  
ENFIELD, CONNECTICUT

BANM SITE No. HRT-101



## ENLARGED SITE PLAN

SCALE: 1" = 20'

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

Jennifer Young Gaudet  
Manager - Regulatory

July 18, 1997

Honorable Mary Lou Strom, Mayor  
820 Enfield Street  
Enfield, CT 06082

Dear Mayor Strom:

Consistent with the State policy of encouraging tower sharing, Bell Atlantic NYNEX Mobile (the "Company") plans to allow Smart SMR of New York, Inc., d/b/a Nextel Communications to share its telecommunications site in Enfield. 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 as notice of intent to construct an "exempt modification" 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 the plans for the site or the Siting Council's procedures, please contact the undersigned at (203) 949-2805 or Mr. Joel M. Rinebold, Executive Director of the Connecticut Siting Council, at (860) 827-2935.

Sincerely,



Jennifer Young Gaudet  
Manager - Regulatory

Enclosure