



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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

February 20, 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 a telecommunications facility located in the Town of Enfield, Connecticut. Notice of Intent to Modify.

Dear Ms. Gaudet:

At a public meeting held on February 19, 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 modification is to be implemented as specified in your notice dated February 7, 1997. The modification is 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 change has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used and proposed for use 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,

A handwritten signature in cursive script, reading "Mortimer A. Gelston".

Mortimer A. Gelston  
Chairman

MAG/RKE/ss

c: Honorable Mary Lou Strom, Mayor, Town 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

February 7, 1997

HAND DELIVERED

Mr. Joel M. Rinebold, Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051

**RECEIVED**

FEB 07 1997

CONNECTICUT  
SITING COUNCIL

Re: Bell Atlantic NYNEX Mobile - Enfield Cell Site

Dear Mr. Rinebold:

Bell Atlantic NYNEX Mobile ("BANM" or the "Company") plans to allow Sprint Spectrum L.P. ("Sprint") 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 and an equipment shelter 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.

Sprint plans to attach to the tower nine panel antennas, Decibel Model DB980H90, approximately 5' in height, and one small related Global Positioning Satellite System ("GPS") receive-only antenna; and to install up to six equipment cabinets on a frame adjacent to the tower. At approximately the same time, BANM will mount a small GPS receive-only antenna on the existing equipment shelter for its own use. In addition, BANM will construct a concrete pad for the subsequent installation of a diesel generator for BANM's use; the generator will be installed following receipt of the required DEP permit.

The addition of Sprint's antennas and equipment and BANM's GPS antenna and generator 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. Sprint's antennas will be placed on the tower with the center of radiation at the 148' level of the tower; the GPS antenna will also be

Mr. Joel M. Rinebold  
February 7, 1997  
Page 2

placed at that level. Each panel antenna will extend up and down approximately 2 1/2 feet from its center of radiation. Thus, the additional antennas will extend no higher than the 151' level of the 160' tower.

Second, the proposed additions, as reflected on the attached site plan, will not extend the site boundaries. The proposed equipment cabinets will be located on a frame, approximately 9' x 15', to be constructed adjacent to the tower within the existing fenced area. Likewise, the proposed generator pad will be located within the fenced area. The proposed changes will have no effect on the site boundary.

Third, the proposed additions will not increase the noise levels at the existing facility by six decibels or more. The only additional noise from the generator will be during power outages and routine exercising of the generator for maintenance purposes; the only additional noise from Sprint's equipment will be from cooling mechanisms for the equipment cabinets.

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 indicates that BANM's cellular operations result in  $0.027 \text{ mW/cm}^2$ , or 4.58% of the standard (0.583 for BANM's cellular frequencies). A "worst-case" calculation for a point at the base of the tower indicates that Sprint's antennas would add  $0.018 \text{ mW/cm}^2$ , or 1.44% of the standard (1.253  $\text{mW/cm}^2$  for Sprint's frequencies). Thus, the calculated "worst-case" power density for the combined operations at the site is 6.02% of the ANSI standard for uncontrolled environments as calculated for a mixed frequency site.

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

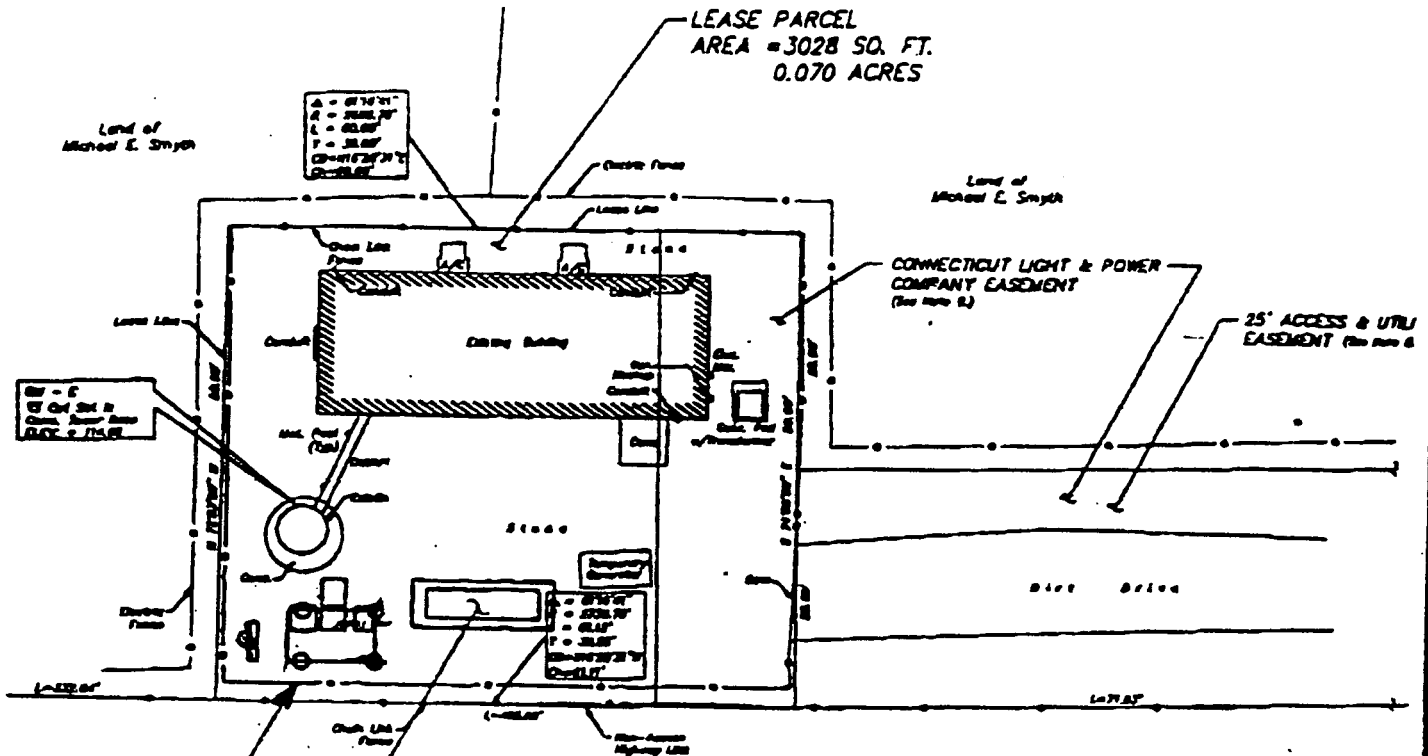
Respectfully yours,



Jennifer Young Gaudet  
Manager - Regulatory

Enclosure

cc: Honorable Mary Lou Strom, Mayor



INTERSTATE 91

PROPOSED GENERATOR PAD  
(BY BANM)

PROPOSED 9'x15' SPRINT SPECTRUM  
EQUIPMENT AREA



## SITE PLAN

AS BUILT SURVEY: 8/96

<b>URS Greiner</b> 550 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT	<b>LEASE EXHIBIT PLAN</b> OLIVER ROAD ENFIELD, CONNECTICUT	<b>URGENT TECHNOLOGIES AND RECEIVED ALLIANCE</b> SPRINT SPECTRUM PCS INSTALLATION PROJECT	<table border="1"><tr><td>DATE</td><td>10/17/96</td></tr><tr><td>BY</td><td>URS GREINER</td></tr><tr><td>FOR</td><td>URS GREINER</td></tr></table>	DATE	10/17/96	BY	URS GREINER	FOR	URS GREINER	<table border="1"><tr><td>Page No.</td><td>C-1</td></tr><tr><td>Sheet 1 of 1</td><td></td></tr></table>	Page No.	C-1	Sheet 1 of 1	
DATE	10/17/96													
BY	URS GREINER													
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Bell Atlantic NYNEX Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
Telephone: 203-269-8858

Jennifer Young Gaudet  
Manager - Regulatory

February 7, 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 Sprint Spectrum L.P. to share its telecommunications site in Enfield. At the same time, Bell Atlantic NYNEX Mobile intends to make minor changes to its site to improve its service. 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 February 7, 1997, 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 our plans 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

**Bell Atlantic NYNEX Mobile**

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

David S. Malko, P.E.  
Director - Engineering

February 19, 1997

**RECEIVED**

FEB 26 1997

VIA TELECOPIER

CONNECTICUT  
SITING COUNCIL

Mr. Joel M. Rinebold, Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051

Re: Bell Atlantic NYNEX Mobile - Portland, Willington, West Hartford and Enfield Cell Sites

Dear Mr. Rinebold:

On February 7, 1997, Bell Atlantic NYNEX Mobile ("BANM" or the "Company") submitted to the Council notifications of exempt modifications to allow Sprint Spectrum L.P. ("Sprint") to install antennas and related equipment at the BANM facilities in Portland, Willington, West Hartford and Enfield, Connecticut. Through an inadvertent error, the power density calculations for the Sprint facilities were performed using an effective radiated power of 100 watts, rather than the 122 watts applicable to Sprint's facilities. BANM therefore requests that the following corrections be substituted for the relevant portions of the power density information contained in the February 7 filings.

Enfield: Sprint - 0.022 (rather than 0.018) mW/cm<sup>2</sup>, or 1.76% (rather than 1.44%) of the standard, resulting in a total of 6.34% (rather than 6.02%) of the standard for the combined operations;

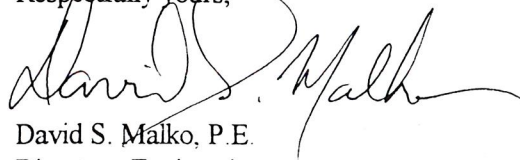
West Hartford: Sprint - 0.026 (rather than 0.021) mW/cm<sup>2</sup>, or 2.08% (rather than 1.68%) of the standard, resulting in a total of 7.23% (rather than 6.83%) of the standard for the combined operations;

Portland: Sprint - 0.024 (rather than 0.020) mW/cm<sup>2</sup>, or 1.96% (rather than 1.60%) of the standard, resulting in a total of 6.54% (rather than 6.18%) of the standard for the combined operations;

Willington: Sprint - 0.031 (rather than 0.025) mW/cm<sup>2</sup>, or 2.46% (rather than 2.00%) of the standard, resulting in a total of 8.63% (rather than 8.17%) of the standard for the combined operations.

BANM regrets any confusion and inconvenience caused the Council and its staff.

Respectfully yours,



David S. Malko, P.E.  
Director - Engineering