

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

Jennifer Young Gaudet  
Manager - Regulatory

February 28, 1997

HAND DELIVERED

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

**RECEIVED**

FEB 28 1997

CONNECTICUT  
SITING COUNCIL

Re: Bell Atlantic NYNEX Mobile - Durham 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 Durham, 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 First Selectman of Durham.

The existing facility consists of a 100' monopole and related equipment building located off of Old Blue Hills Road in Durham. This facility was approved by the Connecticut Siting Council in its March 11, 1994 Decision and Order in Docket No. 161.

Sprint plans to attach to the tower nine panel antennas, six Decibel Model DB980H90 and three Decibel Model DB980H65, 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. In addition, BANM will mount a small GPS receive-only antenna on the top platform for its own use and 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 additions of Sprint's antennas and equipment and BANM's GPS antenna and generator to the tower site do 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 panel antennas will be placed on the tower with the center of radiation at the 87' level of the tower; the GPS antenna will be placed at approximately the 40' level. Each panel antenna will extend up and down approximately 2 1/2 feet from its center of radiation. BANM's GPS antenna will be placed on the top platform, where BANM's other antennas are located, and will not extend above the existing antennas. Thus, the additional antennas will not extend the tower height.

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. The generator pad will be adjacent to the existing equipment building within the existing 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

Mr. Joel M. Rinebold  
February 28, 1997  
Page 2

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  $0.068 \text{ mW/cm}^2$ , or 11.71% of the standard ( $0.583 \text{ mW/cm}^2$  for BANM's cellular frequencies). The municipal and quasi-municipal uses, which operate at discrete frequencies ranging from approximately 45 MHz to approximately 955 MHz, represent an additional 23.36%, for a total "worst-case" calculation for the existing uses at the site of 35.07% of the ANSI standard for uncontrolled environments as calculated for a mixed frequency site. A "worst-case" calculation for a point at the base of the tower indicates that Sprint's antennas would add  $0.064 \text{ mW/cm}^2$ , or 5.06% of the standard ( $1.253 \text{ mW/cm}^2$  for Sprint's frequencies). Thus, the calculated "worst-case" power density for the planned combined operations at the site is 40.13% 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 Durham facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b).

Respectfully yours,

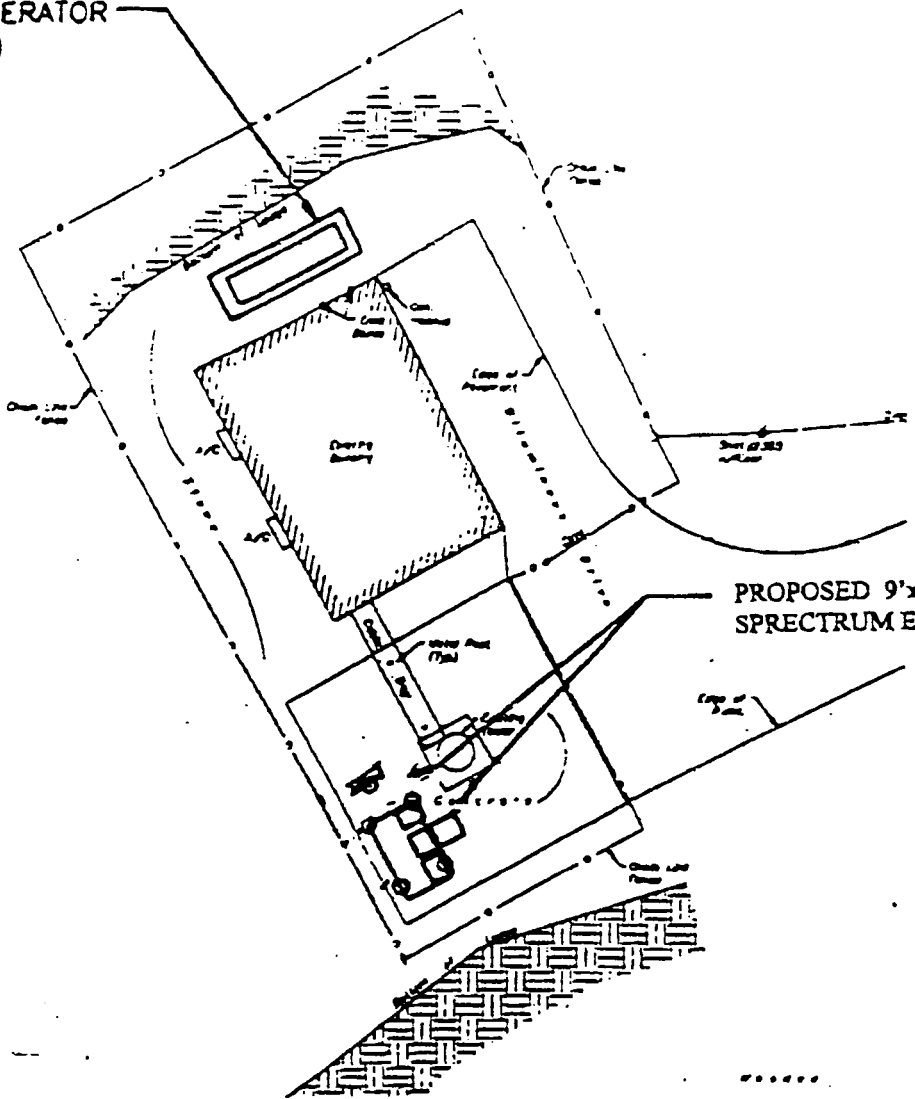


Jennifer Young Gaudet  
Manager - Regulatory

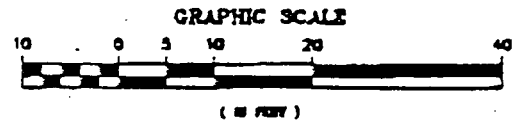
Enclosures

cc: Honorable Henry A. Robinson, First Selectman

PROPOSED GENERATOR PAD (BY BANM)



PROPOSED 9'x15' SPRINT SPECTRUM EQUIPMENT AREA



**SITE PLAN**

AS BUILT SURVEY: 7/96

DATE OF THIS  
CONSTRUCTION  
DRAWING  
BY  
S. LOEWENSTEIN  
CHECKED BY  
S. LOEWENSTEIN  
DATE  
3/20/02  
APPROVED BY  
D. SANCHEZ

**URS Greiner**  
300 ENTERPRISE DRIVE  
ROCKY HILL, CONNECTICUT

**LEASE EXHIBIT PLAN**  
SITE ADDRESS  
**OLD BLUE HILLS ROAD  
DURHAM, CONNECTICUT**

MAJOR TECHNOLOGIES  
AND SERVICES  
ALLIANCE  
**SPRINT  
SPECTRUM**  
PCS INSTALLATION  
PROJECT

REV.	DATE	DESCRIPTION

DATE: 7/10/02  
PROJECT: LEASE-C1

Sheet No.  
**C-1**  
Page 1 of 1

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

**Jennifer Young Gaudet**  
Manager - Regulatory

February 28, 1997

Honorable Henry A. Robinson, First Selectman  
Town Hall  
30 Town House Road, P.O. Box 428  
Durham, Connecticut 06422

Dear First Selectman Robinson:

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 Durham. 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 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



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

March 13, 1997

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

Re: **DOCKET NO. 161** - Bell Atlantic NYNEX Mobile, Certificate of Environmental Compatibility and Public Need for a telecommunications facility in the Town of Durham, Connecticut. Notice of Intent to Modify Facility.

Dear Ms. Gaudet:

At a public meeting held on March 12, 1997, the Connecticut Siting Council (Council) acknowledged your notice to modify an existing telecommunications facility in Durham, 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 13, 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, appearing to read "Mortimer A. Gelston".

Mortimer A. Gelston  
Chairman

MAG/JMR/ss

c: Honorable Henry A. Robinson, First Selectman of Durham  
Larry Woods, Sprint



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

February 28, 1997

Honorable Henry A. Robinson  
First Selectman  
Town Hall, 30 Town House Road  
P.O. Box 428  
Durham, CT 06422

RE: **DOCKET NO. 161** - Bell Atlantic NYNEX Mobile, Certificate of Environmental Compatibility and Public Need for a telecommunications facility in the Town of Durham, Connecticut. Notice of Intent to Modify.

Dear Mr. Robinson:

On February 28, 1997 the Connecticut Siting Council (Council) received a request from Bell Atlantic NYNEX Mobile to modify an existing telecommunications facility located off of Old Blue Hills Road in Durham, Connecticut, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting tentatively scheduled for Wednesday, March 12, 1997, at 2:00 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this modification of an existing facility.

Thank you for your cooperation and consideration.

Very truly yours,

A handwritten signature in black ink, appearing to read "Joel M. Rinebold".

Joel M. Rinebold  
Executive Director

JMR/ss

Enclosure: Notice of Intent

# TOWN OF DURHAM **RECEIVED**

MAR 06 1997

## Office of the First Selectman

P.O. Box 428  
Durham, Connecticut 06422

Telephone (860) 349-3625  
Fax (860) 349-8391

**CONNECTICUT  
SITING COUNCIL**

Henry A. Robinson  
*First Selectman*



March 4th, 1997

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

RE: DOCKET NO. 161 - Bell Atlantic NYNEX Mobile, Notice of Intent to Modify Telecommunications Facility Located Off of Old Blue Hills Road, Durham Connecticut.

Dear Mr. Rinebold:


I would like to go on record as supporting the proposed modification to the Bell Atlantic NYNEX Mobile Telecommunications Tower Facility off of Old Blue Hills Road in Durham, Connecticut.

First, the proposal to allow Sprint L.P. to install their equipment on the tower is in concert with the overall concept of minimizing the proliferation of new towers.

Second, the installation of the diesel generator for backup power will assure continued operation, not only of BANM and Sprint L.P. equipment, but also the Town of Durham's emergency services radio system repeaters and the Valley Shore 911 repeater.

The construction of the tower and BANM's generosity in providing space and support for the Town of Durham and Valley Shore equipment has improved emergency communications in this part of Middlesex County. The Valley Shore presence on the tower made it possible for Middlefield to join the Valley Shore system.

Sincerely,

  
Henry A. Robinson  
First Selectman

cc: Brian Curtis, Selectman  
Gene Brown, Selectman  
Scott Wright, Communications Coordinator  
Geoffrey L. Colegrove, Town Planner

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