B/C

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. 131** - Bell Atlantic NYNEX Mobile Certificate of Environmental Compatibility and Public Need for a cellular telephone tower located in the Town of West Hartford. 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 West Hartford, 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,

Mortimer A. Gelston
Chairman

MAG/RKE/ss

c: Honorable Nan Glass, Mayor, Town of West Hartford

Bell Atlantic NYNEX Mobile

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

RECEIVED
FEB 07 1997
CONNECTICUT
SITING COUNCIL

HAND DELIVERED

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

Re: Bell Atlantic NYNEX Mobile - West Hartford 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 West Hartford, 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 West Hartford.

The existing facility consists of a 150' monopole and related equipment building located off of New Park Avenue in West Hartford. This facility was approved by the Connecticut Siting Council in its April 9, 1990 Decision and Order in Docket No. 131.

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 building for its own use.

The addition of Sprint's antennas and equipment and BANM's GPS antenna 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 136' level of the tower; the GPS antenna will also be 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 139' level of the 150' 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. In order to accommodate the frame, the existing chain link fence will be moved; its location will continue to be well within the site boundary. 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 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 0.030 mW/cm^2, or 5.15% 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 0.021 mW/cm^2, or 1.68% of the standard (1.253 mW/cm^2 for Sprint's frequencies). Thus, the calculated "worst-case" power density for the combined operations at the site is 6.83% 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 West Hartford facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b).

Respectfully yours,

Jennifer Young Gaudet

Jennifer Young Gaudet
Manager - Regulatory

Enclosure
cc: Honorable Nan Glass, Mayor