



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

September 2, 1998

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

Re: DOCKET NO. 155 - Bell Atlantic Mobile Certificate of Environmental Compatibility and Public Need for a telecommunications facility located in the Town of Darien, Connecticut. Notice of Intent to Modify Facility. (EM-BAM-035-980825).

Dear Ms. Gaudet:

At a public meeting held on September 1, 1998, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Darien, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated August 26, 1998. 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 Engineering 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/jlh

c: Honorable Robert F. Harrel, Jr., First Selectman, Town of Darien

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

Jennifer Young Gaudet
Manager - Regulatory

August 26, 1998

HAND DELIVERED

RECEIVED

AUG 26 1998

CONNECTICUT
SITING COUNCIL

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

Re: Bell Atlantic Mobile - Darien Cell Site (Docket No. 155)

Dear Mr. Rinebold:

Bell Atlantic Mobile ("BAM" or the "Company") plans to allow Nextel Communications of the Mid-Atlantic, Inc., d/b/a Nextel Communications ("Nextel") to install antennas and related equipment at the existing BAM facility in Darien, 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 Darien.

The existing facility consists of a 100' monopole and equipment shelter at the Town of Darien waste transfer station off of Ledge Road in Darien. The site currently is shared with Springwichee Cellular Limited Partnership ("Springwichee"). This facility was approved by the Connecticut Siting Council in its December 30, 1992 Decision and Order in Docket No. 155.

Nextel plans to mount nine panel antennas, Swedcom Model ALP-E 9011, approximately 43' in height, on the tower and to install an equipment shelter, approximately 7' x 11', adjacent to the tower. As landlord, the Town of Darien has reviewed and approved this additional use of the site by Nextel, including the antennas and equipment specified herein.

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 antennas will be installed with the center of radiation at approximately the 80' level of the tower. The planned changes will not increase the overall height of the tower. It should be noted that the attached tower drawing depicts a lower height for Nextel's antennas, but is accurate in other respects.

Mr. Joel M. Rinebold
August 26, 1998
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Second, the proposed additions will not extend the site boundaries. Nextel's proposed equipment shelter will be located at the northwest corner of the site, forming a corner of the compound and replacing a portion of the existing fence. The proposed changes are shown on the attached site plan.

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. The only additional noise will be from heating, ventilating and cooling mechanisms for Nextel's equipment.

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 applicable ANSI/NCRP standards. A "worst-case" calculation for a point at the base of the tower indicates that BAM's cellular operations result in 0.0683 mW/cm^2 , or 11.71% of the applicable standard and Springwich's cellular operations result in 0.0843 mW/cm^2 , or 14.29% of the applicable standard. A "worst-case" calculation for a point at the base of the tower indicates that Nextel's operations would add 0.0505 mW/cm^2 , or 8.84% of the standard. Thus, the calculated "worst-case" power density for the combined operations at the site is 34.84% of the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

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

Respectfully yours,



Jennifer Young Gaudet
Manager - Regulatory

Enclosures

cc: Honorable Robert F. Harrel, Jr., First Selectman

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

Jennifer Young Gaudet
Manager - Regulatory

August 26, 1998

Honorable Robert F. Harrel, Jr., First Selectman
Town of Darien
2 Renshaw Road
Darien, CT 06820

Dear First Selectman Harrel:

As you know, consistent with the State policy of encouraging tower sharing, Bell Atlantic Mobile (the "Company") plans to allow Nextel Communications to share its telecommunications site off of Ledge Road in Darien. 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, which is consistent with the plans reviewed and approved by the Town. 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

Cashin Associates, P.C.
 Engineers and Architects
 50 Tice Boulevard
 Woodcliff Lake, NJ 07875
 (201) 930-1600 • Fax (201) 930-0544

LETTER OF TRANSMITTAL

DATE	8/27/98	JOB NO	7517
ATTENTION	BOB ERLINCI		
RE	NEXTEL DARIEN # CT-1047 55 LEDGE RD DARIEN, CT		

TO CONNECTICUT SITING COUNCIL
10 FRANKLIN SQ
NEW BRITAIN CT 06051
(860) 827-2935

WE ARE SENDING YOU Attached Under separate cover via OVERNIGHT the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
2	8/27/98	A-1	PLAN, ANTENNA ELEVATIONS

RECEIVED
 AUG 28 1998
 CONNECTICUT
 SITING COUNCIL

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution
 As requested Returned for corrections Return _____ corrected prints
 For review and comment _____
 FOR BIDS DUE _____ 19____ PRINTS RETURNED AFTER LOAN TO US

REMARKS SENT AT REQUEST OF JENNIFER GAUDAT

COPY TO DON RICH - NEXTEL ~~W/ST~~ T.O
MIKE QUAGLIETTA - NEXTEL ~~W/ST~~ SIGNED: ROB CAMERON

If enclosures are not so noted, kindly notify us at once.