



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

September 14, 2001

Ronald C. Clark
Manager, Real Estate Operations
Nextel Communications
100 Corporate Park
Rocky Hill, CT 06067

RE: **EM-NEXTEL-051-010824** - Nextel Communications Inc. notice of intent to modify an existing telecommunications facility located at 2189-2279 Black Rock Turnpike, Fairfield, Connecticut.

Dear Mr. Clark:

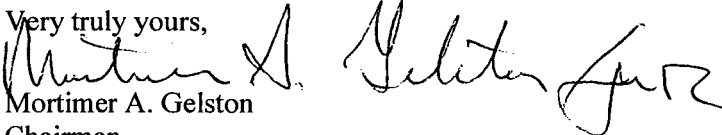
At a public meeting held on September 12, 2001, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated August 24, 2001. 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 frequencies 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 also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. 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 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/laf

c: Honorable John G. Metsopoulos, First Selectman, Town of Fairfield
Joseph E. Devonshuk, Town Planner, Town of Fairfield
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC

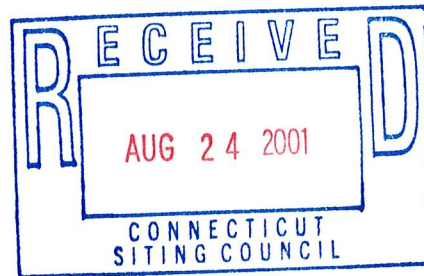
Ronald C. Clark
Manager Real Estate Operations

Nextel Communications
100 Corporate Place, Rocky Hill, CT 06067
860 883-2112 FAX 860 513-5444



August 24, 2001

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Dear Chairman Gelston:

Please find enclosed respectfully submitted, a request from Nextel Communications Inc. ("Nextel") to Modify an Exempt Tower and Associated Equipment at an existing telecommunications facility located at 2189-2279 Black Rock Turnpike in Fairfield. This facility is owned by Sprint Sites USA and is used by Sprint PCS to provide wireless system coverage to the area.

Nextel desires to share use of this facility to improve/expand coverage in northern Fairfield and additionally, avoid the possibility of constructing another communications tower in the general area.

The attached information details how the addition of the proposed antennas and associated equipment at the tower site meet the criteria set forth in Section 16-50j-72(b)(2) of the Regulations of Connecticut State Agencies and therefore is an Exempt Modification pursuant to Section 16-50j-73 of the Regulation.

Thank you for your consideration in this matter.

Respectfully,

A handwritten signature in dark ink, appearing to read "Ronald C. Clark".

Ronald C. Clark
Manager Real Estate Operations

Enclosure

Cc: Honorable John G. Metsopoulos, First Selectman
Town of Fairfield

EXEMPT MODIFICATION
2189-2279 BLACK ROCK TURNPIKE
FAIRFIELD, CONNECTICUT

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Nextel Communications Inc., ("Nextel") hereby notifies the Connecticut Siting Council of its intent to modify an existing telecommunications facility located at 2189-2279 Black Rock Turnpike in Fairfield, on property owned by Sunny Realty Associates.

BACKGROUND

This existing facility consists of a 90-foot tall flagpole-monopole telecommunications tower located at the rear of a retail/commercial shopping plaza on the Black Rock Turnpike. The facility is owned by Sprint Sites USA and is currently used by Sprint PCS to provide wireless system coverage to the general area

DISCUSSION

Nextel plans to install three (6) panel antennas center-lined at the 75-foot level of the tower (see attachment A) and place a 10-foot by 20-foot equipment shelter at the base of the tower (see Attachment B). The tower has been structurally analyzed and found fully capable of supporting Nextel's antennas and its associated hardware (see attachment C).

POWER DENSITY INFORMATION

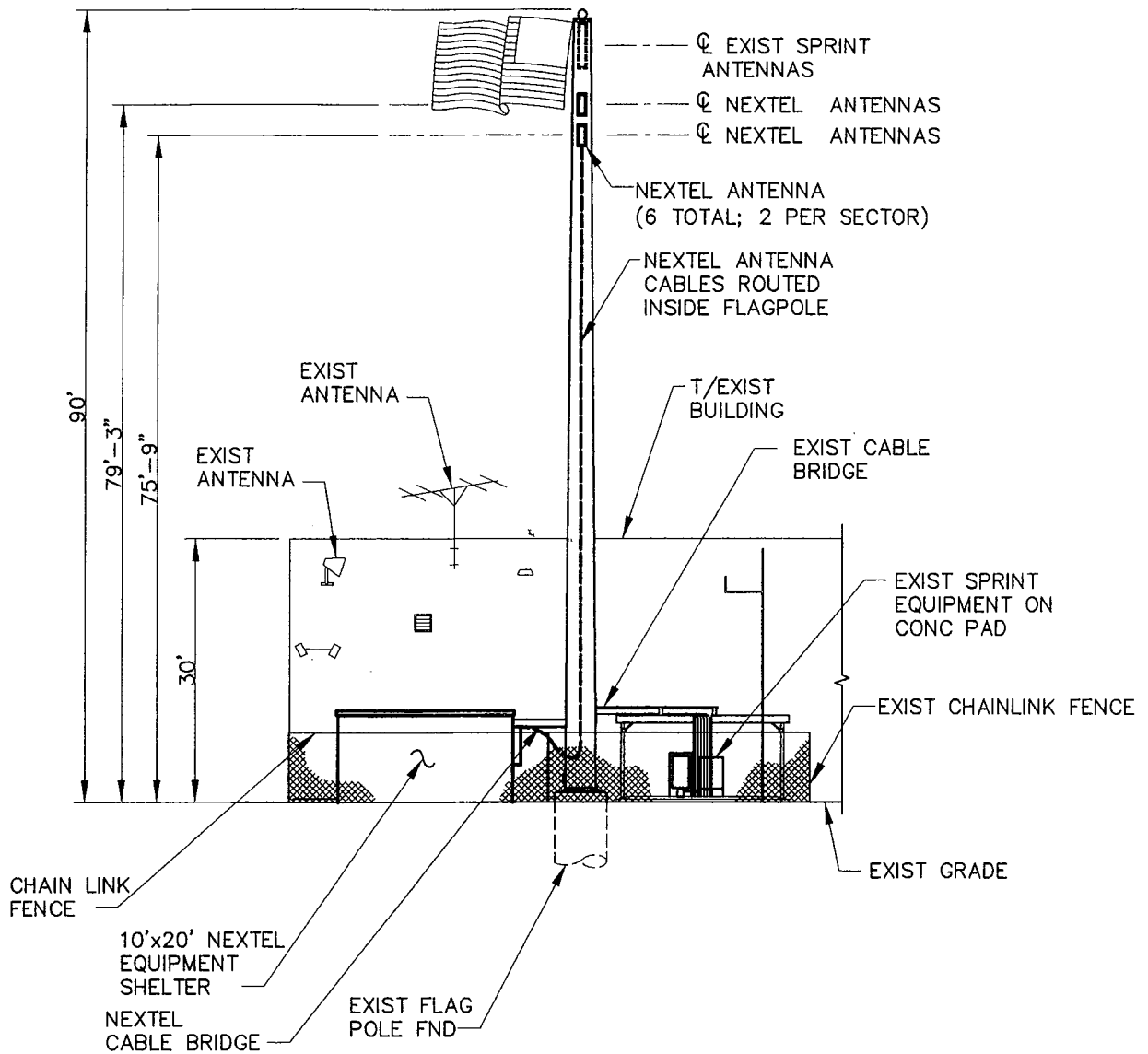
Power density calculations and related information are presented on Attachment D. The data clearly shows the facility, including the proposed Nextel antennas, will operate well within State/Federal RF emission standards (16.3641% of the allowable limit) and be in compliance with the Federal Telecommunications Act of 1996.

CONCLUSION

The proposed additions do not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and are consistent with the exception criteria found in Section 16-50j-72(b)(2) of the Regulations of Connecticut State Agencies in that the addition of Nextel's antennas and equipment will not increase

the existing tower height or extend the boundaries of the site; will not increase noise levels by six (6) decibels or more at the site's boundaries; and will not increase the total radio frequency electromagnetic radiation above the Standard set forth in Section 22(a)-162 of the Connecticut General Statutes. In summary, this proposed addition would not have a substantial adverse environmental effect.

For the reasons discussed above, Nextel respectfully requests that the Council acknowledge that this Notice of Modification meets the Council's exemption criteria, and permit Nextel to share use of this facility.



1
SC-2

ELEVATION

SCALE: 1" = 20'

SHEET 2 OF 2

TECTONIC/KEYES ASSOCIATES

1344 SILAS DEANE HIGHWAY, SUITE 500
ROCKY HILL, CT 06067
(860) 563-2341

FAX(860) 257-4882

7/10/01

NEXTEL

FAIRFIELD CENTRAL (CT-2511)
2189-2279 BLACK ROCK TURNPIKE
FAIRFIELD, CT

ISSUED BY:

W.O. 2993.2511B

3/27/01

SITING COUNCIL

SC-2

1
SC-1

PARTIAL SITE PLAN

SCALE: 1" = 20'

TECTONIC/KEYES ASSOCIATES

1344 SILAS DEANE HIGHWAY, SUITE 500
ROCKY HILL, CT 06067
(860) 563-2341 FAX(860) 563-2342

7/10/01

NEXTEL

FAIRFIELD CENTRAL (CT-2511)
2189-2279 BLACK ROCK TURNPIKE
FAIRFIELD, CT

ISSUED BY:

W.O. 2993.2511B

3/27/01

SITING COUNCIL

SC-1

ATTACHMENT C

[illegible]

TECTONIC / KEYES ASSOCIATES

Division of TECTONIC Engineering Consultants P.C.

CORPORATE OFFICE:
Mountainville, NY

(800)-829-6531

1344 Silas Deane Highway, Suite 500
Rocky Hill, Connecticut 06067

(860) 563-2341

Fax: (860) 257-4882

www.tectonicengineering.com

Mr. Rick Neller, Construction Manager
Nextel Communications
100 Corporate Place
Rocky Hill, CT 06067

June 11, 2001

**RE: W.O. 2993.2511B
FAIRFIELD (CT-2511)
SPRINT FLAGPOLE
BLACK ROCK TURNPIKE
FAIRFIELD, CT
SUMMARY OF STRUCTURAL REVIEW**

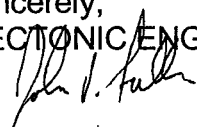
Dear Rick:

Tectonic/Keyes Associates has performed a structural review for the proposed Nextel antenna installation at the above referenced site. The review consisted of a field inspection of the *existing 90' flagpole/monopole tower* and a check of the designer's calculations to verify the capacity of the tower. We were provided with flagpole shop drawings and calculations prepared by Engineered Endeavors, Inc., dated October 2000.

The flagpole is designed with RF transparent-Fiberglass material from elevation 74'-0" and above. Exist Sprint antennas are currently installed inside the flagpole at an elevation of 86'-0" +/- . The proposed Nextel antennas will be the second installation inside the flagpole with antennas to be placed between elevations 74'-0" and 82'-0". Since the antennas will be installed inside the flagpole, no additional wind area will be added to the structure. The tower will not experience any additional wind stresses due to the Nextel installation.

We conclude that the existing tower is adequate to support the proposed Nextel installation. If you have any further questions with regard to this site, please feel free to contact us.

Sincerely,
TECTONIC ENGINEERING CONSULTANTS, P.C.


John D. Fuller, P.E.
Telecommunications Manager

