EM-NEXTEL-062-060524

ORIGINAL

May 24, 2006

Ms. Pamela Katz, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Dear Chairman Katz:

Please find enclosed and respectfully submitted, a request from Sprint-Nextel to Modify an Exempt Tower and Associated Equipment at an existing telecommunications facility located at 1055 Wintergreen Avenue, Hamden, Connecticut. The tower is owned by Message Center Management.

Sprint-Nextel wishes to share use of this facility in order to improve/expand wireless its system coverage and to avoid the possibility of constructing another telecommunications 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,

Thomas F. Flynn III
Zoning Coordinator
Sprint-Nextel Communications

Enclosure

Nextel Communications
100 Corporate Place Rocky Hill, CT 06067
Phone 860.513.5400 Fax 860.513.5444

NEXTEL

EXEMPT MODIFICATION
1055 WINTERGREEN AVENUE
HAMDEN, CONNECTICUT 06514

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, Sprint-Nextel hereby notifies the Connecticut Siting Council of its intent to modify an existing telecommunications facility located at 1055 Wintergreen Avenue, Hamden, Connecticut.

BACKGROUND

This existing facility, located at 1055 Wintergreen Avenue, Hamden, Connecticut, consists of a 195-foot tall self supporting lattice that is owned by Message Center Management. The property is owned by the State of Connecticut. There are a number of telecommunications providers that are currently using the site. The site will provide wireless service coverage for Sprint-Nextel to this section of Routes 15 and a large section of Hamden, CT.

Nextel desires to share use of this facility and thus avoid the potential need to construct an additional tower in the general area.

DISCUSSION

Nextel plans to install twelve (12) panel antennas center-lined at the 150-foot level of the tower (see Attachment A) and place its equipment inside the existing compound eastern side of the tower (see Attachment B). The tower has been structurally analyzed and found to be fully capable of supporting Sprint-Nextel's antennas and its tower mounted hardware (Attachment C). The tower is located at latitude 41-20-58 and longitude 72-58-27.

POWER DENSITY INFORMATION

The operation of Sprint-Nextel's antennas will not increase the total radio frequency electromagnetic power density level to a level at (or even near) existing State and Federal Standards. "Worst case" calculations, measured to a point at the base of the

tower, show the power levels for the existing Verizon, Cingular, various other carriers and the proposed Sprint-Nextel antennas reach just 64.1821 % of the State/Federal standard in an uncontrolled access environment. (See Attachment D).

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, Sprint-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.

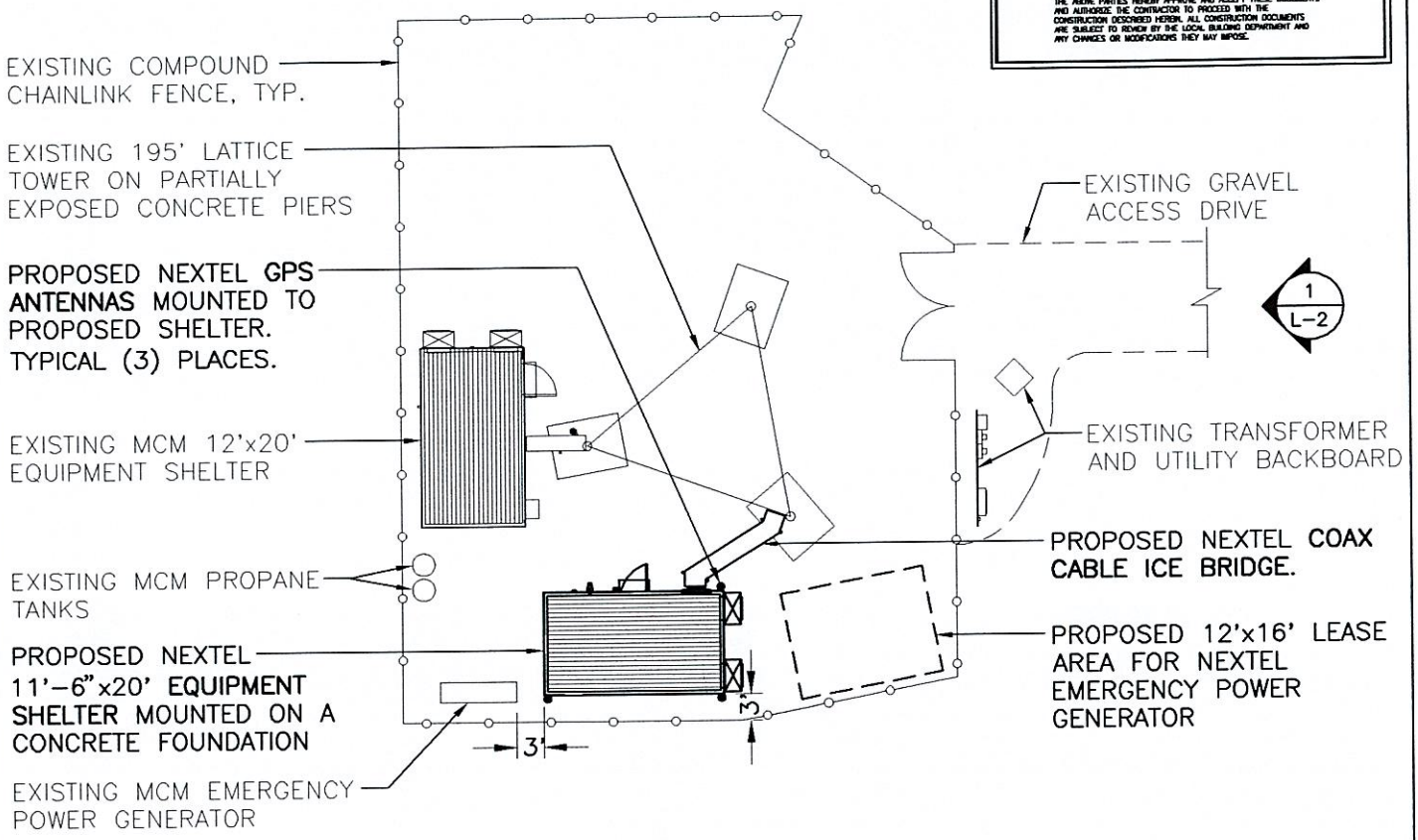
LEASE SUMMARY:

1. PROPOSED INSTALLATION INCLUDES (12) ANTENNAS, (4 PER SECTOR), (3) GPS ANTENNAS (MOUNTED TO EQUIPMENT SHELTER), ANTENNA MOUNTS & (15) LINES OF COAX.
2. LEASE AREA INCLUSIVE OF NEXTEL 11'–6"x20'–0" EQUIPMENT SHELTER PLUS 192 SF FOR EMERGENCY POWER GENERATOR = 422 SQUARE FEET.

APPROVALS

OWNER	DATE
NEXTEL R.F. ENGINEER	DATE
NEXTEL CONSTRUCTION	DATE
NEXTEL SITE AQUISITION	DATE
NEXTEL FIELD OPERATIONS	DATE
GENERAL DYNAMICS	DATE
CONSTRUCTION FIELD SUPERVISOR	DATE
SITE AQUISITION AGENT	DATE

THE ABOVE PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES OR MODIFICATIONS THEY MAY IMPOSE.



1 / L–1 **COMPOUND PLAN**
SCALE: 1"=20'–0"

TRUE NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

LEASE EXHIBIT

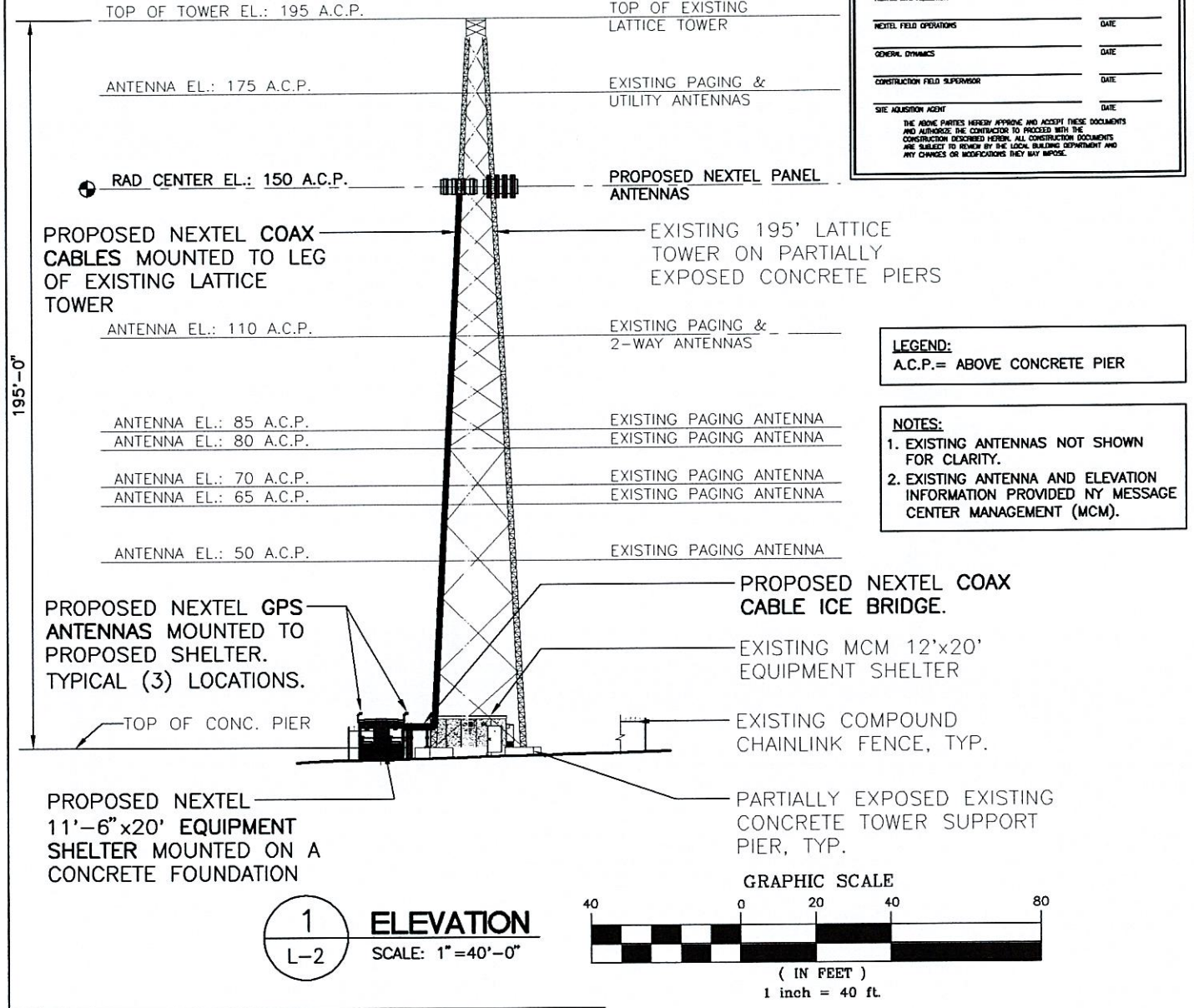
THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE WIRELESS COMMUNICATION FACILITY.

Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers -Project Management
Civil -Structural -Mechanical -Electrical

NEXTEL

SITE NAME: HAMDEN WEST ROCK CT-0901	SCALE: AS NOTED	DRAWN BY: DMD	DWG. NO. L-1
	DATE: 04/13/06	CHECKED BY: CFC	
SITE ADDRESS: 1055 WINTERGREEN AVE. HAMDEN, CT 06514	REV: 00 04/25/06	APPROVED BY: CFC	
	PHASE: LEASE EXHIBIT	JOB NO: 06051	DWG. 1 OF 2

EXHIBIT A



APPROVALS

OWNER	DATE
NEXTEL R.F. ENGINEER	DATE
NEXTEL CONSTRUCTION	DATE
NEXTEL SITE ACQUISITION	DATE
NEXTEL FIELD OPERATIONS	DATE
GENERAL DYNAMICS	DATE
CONSTRUCTION FIELD SUPERVISOR	DATE
SITE ACQUISITION AGENT	DATE

THE ABOVE PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES OR MODIFICATIONS THEY MAY IMPOSE.

LEGEND:
A.C.P.= ABOVE CONCRETE PIER

NOTES:
1. EXISTING ANTENNAS NOT SHOWN FOR CLARITY.
2. EXISTING ANTENNA AND ELEVATION INFORMATION PROVIDED NY MESSAGE CENTER MANAGEMENT (MCM).

1 / L-2 **ELEVATION**
SCALE: 1"=40'-0"

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

LEASE EXHIBIT

THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE WIRELESS COMMUNICATION FACILITY.

Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers - Project Management
Civil - Structural - Mechanical - Electrical

NEXTEL

SITE NAME: HAMDEN WEST ROCK CT-0901	SCALE: AS NOTED	DRAWN BY: DMD	DWG. NO. L-2
	DATE: 04/13/06	CHECKED BY: CFC	
SITE ADDRESS: 1055 WINTERGREEN AVE. HAMDEN, CT 06514	REV: 00 04/25/06	APPROVED BY: CFC	
	PHASE: LEASE EXHIBIT	JOB NO: 06051	DWG. 2 OF 2

EXHIBIT B

Hamden, CT0901 (Wintergreen Avenue) - CT Siting Council Power Density Calculations

Nextel Directional Antennas ESMR - 851 MHz at centerline 155' AGL

Note: Power densities are in mW/ cm²

Transmitters:	Frequency in MHz	CT Standard mW/ cm²	Number of Channels	ERP (W) per channel	Centerline of Tx antennas AGL (ft.)	Power density calculated at base of tower	% of CT Standard
Nextel Digital ESMR**	851	0.5673	12	100	149	0.019426152	3.4241%

** lowest Nextel antenna centerline is 155' adjusted to 149' per OET 65 Bulliten for 6' average head height.

Total % of CT Standard 3.4241%

EXHIBIT C

Hamden, CT0901 (Wintergreen Avenue) - CT Siting Council Power Density Calculations

Nextel Directional Antennas ESMR - 851 MHz at centerline 155' AGL

Note: Power densities are in mW/ cm²

Transmitters:	Frequency in MHz	CT Standard mW/ cm²	Number of Channels	ERP (W) per channel	Centerline of Tx antennas AGL (ft.)	Power density calculated at base of tower	% of CT Standard
Mobile Comm (from MCM file)	931	0.062066667			246	0.007423657	1.1961%
Page America (from MCM file)	931	0.062066667			242	0.001841063	0.2966%
Bellsouth Wireless (from MCM file)	935	0.623333333			242	0.000184106	0.0295%
Destineer (from MCM file)	940	0.626666667			225	0.007099259	1.1329%
Pronet (from MCM file)	454	0.302666667			205	0.000769685	0.2543%
MetroCall (from MCM file)	35	0.200000000			203	0.002616419	1.3082%
Airtouch (from MCM file)	158	0.200000000			203	0.026164187	13.0821%
Metrocall (from MCM file)	929	0.619333333			203	0.007849256	1.2674%
Bell Atlantic Mobile (verizon) (from MCM file)	875	0.583333333			166	0.024780810	4.2481%
United Illuminating (from MCM file)	49	0.200000000			152	0.007777874	3.8889%
Pagenet (from MCM file)	940	0.626666667			148	0.014767166	2.3565%
Tri State Radio (from MCM file)	929	0.619333333			145	0.005128181	0.8280%
Tri State Radio (from MCM file)	931	0.620666666			140	0.011002041	1.7726%
United Illuminating (from MCM file)	451	0.300666667			138	0.009436043	3.1384%
Skytel (from MCM file)	930	0.620000000			128	0.005484009	0.8845%
ProNET (from MCM file)	454	0.302666667			126	0.002037415	0.6732%
Utility Communications (from MCM file)	461	0.307333333			69	0.015097669	4.9125%
CT Emergency Medical (from MCM file)	463	0.308666667			116	0.004006391	1.2980%
Arch CT paging (from MCM file)	929	0.619333333			115	0.040763705	6.5819%
Airtouch (from MCM file)	152	0.200000000			88	0.023205062	11.6025%
Teligent (from MCM file)	25000	1.000000000			61	0.000057952	0.0058%
Nextel Digital ESMR**	851	0.5673	12	100	149	0.019426152	3.4241%

** lowest Nextel antenna centerline is 155' adjusted to 149' per OET 65 Bulliten for 6' average head height.

Total % of CT Standard	64.1821%

EXHIBIT D

NATCOMM, LLC

Consulting Engineers

May 22, 2006

Mr. Jason D'Amico
General Dynamics
100 Corporate Place 3rd Floor
Rocky Hill, CT 06067

Re: Nextel ~ CT-0901
1055 Wintergreen Ave.,
Hamden, CT 06514

Natcomm Project No. 06051

Dear Mr. D'Amico,

We have reviewed the proposed Nextel antenna installation at the above referenced site. The purpose of the review is to determine the adequacy of an existing 195-ft (expandable to 235-ft) lattice tower to support the proposed antennas. The review considered the effects of wind load, dead load, ice load and seismic forces in accordance with TIA/EIA-222-F and Connecticut State Building Code. Tower structural design documents prepared by Valmont Structures (eng. file no. A-120742-F-1006960) dated July 29, 2004 and a tower inventory of existing antennas were used as reference material.

The existing antenna configuration is as follows:

- Future: Twelve (12) DB844H90 panel antennas on three (3) 12' t-frames at an elevation of 235' AGL.
- Future: Twelve (12) DB844H90 panel antennas on three (3) 12' t-frames at an elevation of 220' AGL.
- Future: One (1) 4' solid dish at an elevation of 175'.
- Existing: Four (4) PG1N0F-0093-610 whip antennas on standard sidearms at an elevation of 175' AGL.
- Existing: Two (2) PD220 whip antennas on standard sidearms at an elevation of 175' AGL.
- Existing: One (1) DB205 whip antenna on a standard sidearm at an elevation of 175' AGL.
- Future: Twelve (12) DB844H90 panel antennas on three (3) 12' t-frames at an elevation of 142' AGL.
- Existing: One (1) PD1142 whip antenna on a standard sidearm at an elevation of 110' AGL.
- Existing: One (1) DB499-K whip antenna on a standard sidearm at an elevation of 110' AGL.
- Future: Twelve (12) DB844H90 panel antennas on three (3) 12' t-frames at an elevation of 102' AGL.
- Existing: One (1) DB230 whip antenna on a standard sidearm at an elevation of 85' AGL.
- Future: Twelve (12) DB844H90 panel antennas on three (3) 12' t-frames at an elevation of 80' AGL.
- Existing: One (1) PD220 whip antenna on a standard sidearm at an elevation of 80' AGL.
- Existing: One (1) DB809 whip antenna on a standard sidearm at an elevation of 70' AGL.
- Future: One (1) 6' solid dish at an elevation of 65' AGL.
- Future: Two (2) PD156S whip antennas on standard sidearms at an elevation of 65' AGL.
- Existing: One (1) DB225 whip antenna on a standard sidearm at an elevation of 65' AGL.

- Future: One (1) 4' solid dish at an elevation of 50' AGL.
- Future: Three (3) DB436 whip antennas on standard sidearms at an elevation of 50' AGL.
- Existing: One (1) PD220 whip antenna on a standard sidearm at an elevation of 50' AGL.
- Future: One (1) DB212 whip antenna on a standard sidearm at an elevation of 40' AGL.
- Future: One (1) 6' solid dish at an elevation of 25' AGL.
- Future: One (1) 6' solid dish at an elevation of 15' AGL.

The proposed modified antenna loading is as follows:

- Nextel: Eight (8) DB844G65VTZA-SX panel antennas on three (3) t-frames at an elevation of 150' AGL.
- Nextel: Four (4) DB846G90A-XY panel antennas on three (3) t-frames at an elevation of 150' AGL.

Based on the information provided to us, the existing structure meets all the requirements of the TIA/EIA-222-F Standard considering the basic wind speed (fastest mile) of 85 mph for New Haven County.

Our recommendation is only valid for the data utilized in our analysis. Before future tower modifications are considered including, but not necessarily limited to, addition or replacement of antennas or other appurtenances, the tower must be re-evaluated on a case-by-case basis.

In conclusion, the existing 195-ft lattice tower is adequate to support the proposed Nextel antennas and related equipment. If there are any questions regarding this matter, please feel free to call.

Submitted by:

Carlo F. Centore, PE
Project Manager

STATE OF CONNECTICUT
CARLO F CENTORE
No. 18694
LICENSED
PROFESSIONAL ENGINEER