



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

April 17, 2000

Julie M. Cashin, Esq.
Hurwitz & Sagarin, PC
147 North Broad Street
Milford, CT 06460

RE: TS-SPRINT-002-000404 - Sprint PCS request for an order to approve tower sharing at an existing telecommunications facility located at 401 Wakelee Avenue in Ansonia, Connecticut.

Dear Ms. Cashin:

At a public meeting held April 12, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. 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 may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated April 14, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/rgg

c: Honorable James T. DellaVolpe, Mayor, City of Ansonia
Mike Loucy, Sprint PCS
Ronald Clark, Nextel

HURWITZ & SAGARIN LLC

April 4, 2000

Via Hand Delivery

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

RECEIVED

APR - 4 2000

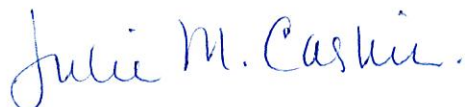
**CONNECTICUT
SITING COUNCIL**

Dear Chairman Gelston:

On behalf of the applicant, Sprint Spectrum L.P. ("Sprint PCS") I am pleased to submit this Tower Sharing Proposal for the shared use of the existing Nextel telecommunications facility located at 401 Wakelee Avenue, Ansonia, Connecticut.

Enclosed are one (1) original and twenty (20) copies of this Tower Sharing Proposal requesting shared use of this facility. A check in the amount of \$500.00 to cover the filing fee is also enclosed. The Mayor of the City of Ansonia has been sent notice of this Tower Sharing Proposal by certified mail.

Sincerely,



JULIE M. CASHIN, ESQ.
JMC/dsw

Enclosures

cc: James Della Volpe, Mayor
Leroy Reaves, Sprint PCS
Chris Pescatore, Sprint PCS
Ron Clark, Nextel

Request of Sprint PCS for the approval of the shared use of the existing telecommunications facility located at 401 Wakelee Avenue, Connecticut.

Dated: April 4, 2000 in Milford, CT

Introduction

Sprint Spectrum, L.P. ("Sprint PCS") seeks to share an existing telecommunications tower located at 401 Wakelee Avenue, Ansonia, Connecticut ("Facility") owned by Nextel Communications of the Mid-Atlantic, Inc. ("Nextel") of 100 Corporate Place, Rocky Hill, Connecticut 06067. Nextel has authorized Sprint as agent to submit this request for the shared use of the Facility. Sprint PCS hereby requests a finding from the Connecticut Siting Council ("Council") that the shared use of this Facility is technically, legally, environmentally and economically feasible and meets public safety concerns in accordance with Section 16-50aa of the Connecticut General Statutes ("C.G.S."), and an order approving the proposed shared use of the Facility.

Background

The subject Facility, owned by Nextel, is located at 401 Wakelee Avenue, Ansonia Connecticut. (See vicinity map and project summary attached as Exhibit A at Drawing S-1). The site currently supports a 196 foot lattice tower ("Existing Tower") and appurtenant equipment buildings.

Tower Sharing Proposal

The purpose of this Tower Sharing Proposal is to utilize an existing facility rather than to construct a new tower in the City of Ansonia. This Facility is the most viable co-location opportunity for Sprint PCS in the area. Sprint PCS has entered into a lease agreement with Nextel for the placement of its antennas and associated equipment.

A. Existing Tower as a "Facility"

For the purposes of this Tower Sharing Proposal and pursuant to Section 16-50aa of the Connecticut General Statutes, "... Facility means a tower owned or operated for a commercial or public purpose by a person, firm, corporation or a public agency which uses such tower for transmitting or receiving signals in the electromagnetic spectrum pursuant to a Federal Communications Commission license." The Existing Tower is a tower owned and operated by Nextel and currently supports Nextel's telecommunications equipment.

B. Project Description

Sprint PCS is licensed by the Federal Communications Commission ("FCC") to provide PCS wireless service throughout the State of Connecticut, including the Ansonia area.

Sprint proposes to install as many as nine (9) panel antennas on the Existing Tower at an antenna centerline of 184 feet and a small global positioning system (GPS) antenna at an antenna height of 75 feet AGL. (See Tower Elevation attached hereto as Exhibit A at Drawing S-2). A low profile platform with nine (9) PCS panel antennas mounted on it will be attached to the Existing Tower with an antenna rad center of 184

feet. The base station equipment associated with these antennas would be located near the base of the Existing Tower.

C. Compliance with C.G.S. § 16-50aa

Pursuant to C.G.S. § 16-50aa, “The General Assembly finds that the sharing of towers for fair consideration whenever technically, legally, environmentally and economically feasible, and whenever such sharing meets public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest.” A discussion of how the proposed co-location by Sprint PCS will be in conformance with C.G.S. § 16-50aa is outlined below:

1. *Technical Analysis*

Sprint PCS has reviewed the technical parameters of the Facility and determined it is extremely unlikely that the proposed Sprint PCS antennas will result in interference, due to the sectorized positioning of the antenna, vertical separation, and low power. Sprint PCS does not intend to cause interference, and will correct any interference in the unlikely event that it does occur.

The Existing Tower was designed to accommodate multiple carriers. An engineering letter dated March 21, 2000 evidencing the structural capability of the Existing Tower to accommodate the proposed Sprint PCS installation is attached hereto as Exhibit B. As indicated in the letter, the Existing Tower is capable of supporting the installation proposed by Sprint PCS.

2. *Legal Feasibility*

Sprint PCS entered into a lease agreement with Nextel for the purposes of locating antenna on the Existing Tower and associated equipment adjacent to the base of the

Existing Tower. The Council has the authority pursuant to C.G.S. §16-50aa to issue orders approving the proposed shared use of the Facility by Sprint PCS.

3. *Environmental Feasibility*

The proposed shared use would have a minimal environmental effect for the following reasons:

- This proposed shared use will not increase the height of the Existing Tower.
- This proposed shared use will not expand the compound area beyond that already approved by the City of Ansonia.
- The proposed installations by Sprint PCS will have an insignificant visual impact and will not cause any significant change or alteration in the physical or environmental characteristics of the Site.
- This proposed shared use will not increase noise levels at the Facility site boundary by six decibels.
- This proposed shared use, including operation of the Sprint PCS antennas, will not increase the total radio frequency electromagnetic radiation of the power density measured at the site to or above the standard adopted by the Federal Communications Commission. The engineering exhibit attached as Exhibit C evidences the worst-case power density for the proposed Sprint PCS installation calculated at the base of the Existing Tower is 0.042927 mW/cm² (MPE is 4.2927%) and the total percentage of maximum permissible exposure of the Nextel and Sprint PCS antennas in aggregate is 5.81% based on the NCRP standard. These calculations show that the

proposed Sprint PCS installation will be well below the FCC-mandated limits in all locations around the Existing Tower, even with extremely conservative assumptions.

- The proposed installations by Sprint PCS will not require any water or sanitary facilities, or generate air emissions or discharges to water bodies.

After construction is complete, the proposed Sprint PCS installation will not generate any traffic other than periodic maintenance visits.

The proposed installation will have a de minimis visual impact, and will not cause any significant change or alteration in the physical or environmental characteristics of the existing facility. The proposed shared use of the Existing Tower by Sprint PCS is thus environmentally feasible.

4. *Economic Feasibility*

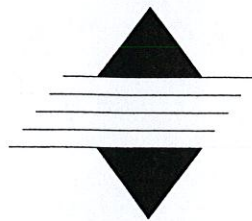
As previously mentioned, Sprint PCS and Nextel have agreed upon acceptable terms and entered into a lease agreement. The proposed shared use of the Facility is therefore economically feasible.

5. *Public Safety Concerns*

There are no known public safety concerns associated with this Tower Sharing Proposal. As stated above, the Existing Tower will be structurally capable of supporting the Sprint PCS antennas. Sprint PCS anticipates that the provision of new or improved phone service made possible by the shared use of the Facility will enhance the safety and welfare of area residents.

Conclusions

The above Tower Sharing Proposal satisfies all of the criteria set forth in Section 16-50aa of the Connecticut General Statutes, including technical, legal, environmental and economic feasibility, and meets public safety concerns. Sprint PCS respectfully requests that the Council issue an order approving the proposed shared use.



Sprint PCS

WIRELESS COMMUNICATIONS FACILITY

CT03XC005

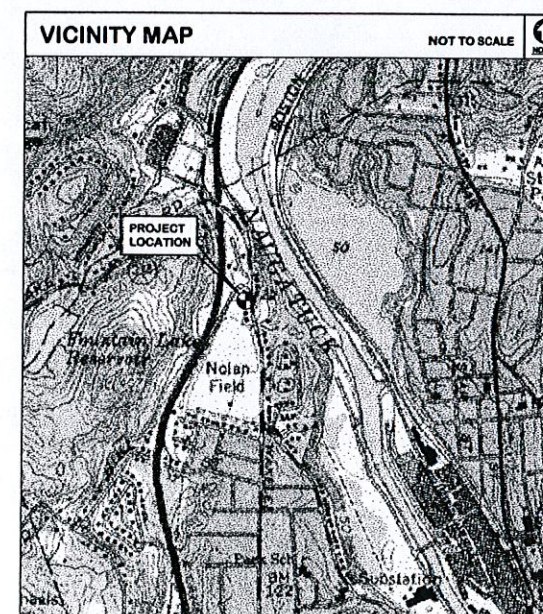
NOLAN FIELD NEXTEL 401 WAKELEE AVENUE ANSONIA, CONNECTICUT 06401

PROJECT SUMMARY	
SITE NAME:	NOLAN FIELD NEXTEL
SITE NUMBER:	C03XC005
SITE ADDRESS:	401 WAKELEE AVENUE ANSONIA, CONNECTICUT 06401
SITE OWNER:	NEXTEL COMMUNICATIONS OF THE MID-ATLANTIC, INC. DBA ~ NEXTEL COMMUNICATIONS 100 CORPORATE PLACE ROCKY HILL, CONNECTICUT 06067 (860) 513-5400
PROPERTY OWNER:	CITY HALL 253 MAIN STREET ANSONIA, CONNECTICUT 06401 NANCY VALENTINE (203) 736-5900
TENANT:	SPRINT SPECTRUM LP 9 BARNES INDUSTRIAL ROAD WALLINGFORD, CT 06492 (203) 294-5600
CENTER OF TOWER:	LATITUDE: 41° 21' 21.85" LONGITUDE: 73° 05' 29.66"

GENERAL NOTES	
1.	PROPOSED ANTENNA AND MOUNTING PLATFORM ELEVATIONS WERE PROVIDED BY SPRINT PCS. EXISTING PLATFORM HEIGHT INFORMATION PROVIDED BY THE SITE OWNER.
2.	COMPOUND LAYOUT IS BASED ON INFORMATION OBTAINED IN FROM DRAWING C-2 DATED 06/25/99 BY TECTONIC ENGINEERING CONSULTANTS P.C. FOR NEXTEL COMMUNICATIONS.
3.	UNDERGROUND UTILITY LOCATIONS ARE SCHEMATIC AND ARE PRESUMED BASED ON SITE LAYOUT AND DRAWING E-1 & E-2 DATED 07/12/99 BY TECTONIC ENGINEERING CONSULTANTS P.C. FOR NEXTEL COMMUNICATIONS

GENERAL NOTES	
1.	ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SPECIFICATIONS NO. G-001, "TECHNICAL SPECIFICATIONS FOR CONSTRUCTION" AND G-002, "TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF ELECTRICAL AND GROUNDING SYSTEM". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATIONS AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN. IN CASE OF A CONFLICT BETWEEN SSLP STANDARD PRACTICES AND EITHER THE CONSTRUCTION SPECIFICATIONS OR THE DRAWINGS, THE SSLP STANDARD PRACTICES SHALL GOVERN.
2.	FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.

SITE DIRECTIONS	
	FROM WALLINGFORD, CONNECTICUT
-	CT ROUTE 15 SOUTH TO EXIT 58 CT ROUTE 34 WEST
-	MERGE ON TO DERBY AVENUE
-	DERBY AVENUE BECOMES NEW HAVEN AVENUE
-	TURN LEFT ON TO MAIN STREET
-	TAKE CT ROUTE 8 NORTH ENTRANCE RAMP
-	MERGE ONTO CT ROUTE 8 NORTH
-	THE EXIT 19 CT ROUTE 334--WAKELEE AVENUE
-	TURN RIGHT ONTO WAKELEE AVENUE



LEGEND	
SYMBOL	DESCRIPTION
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER
	SHEET WHERE ELEVATION OCCURS

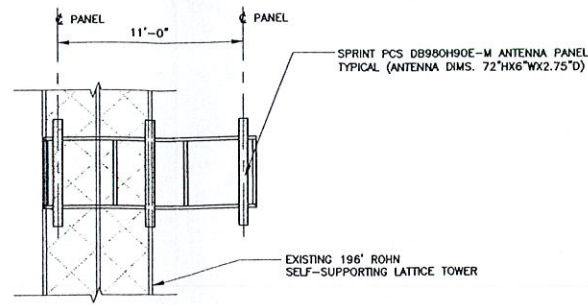
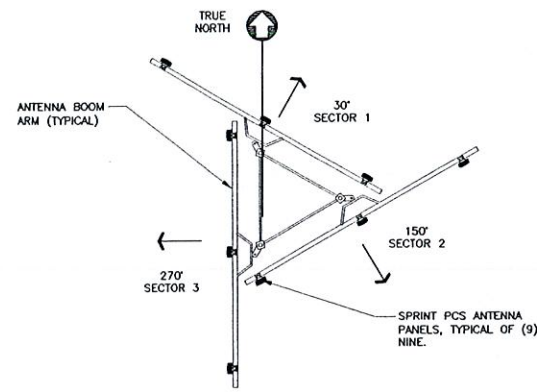
SHEET INDEX		
SHT. NO.	DESCRIPTION	REV.
S-1	TITLE SHEET	0
S-2	COMPOUND AND PLAN ELEVATION	0

Natcomm, L.L.C.
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-6587
Consulting Engineers - Project Management
Site Acquisition - Communications Installations

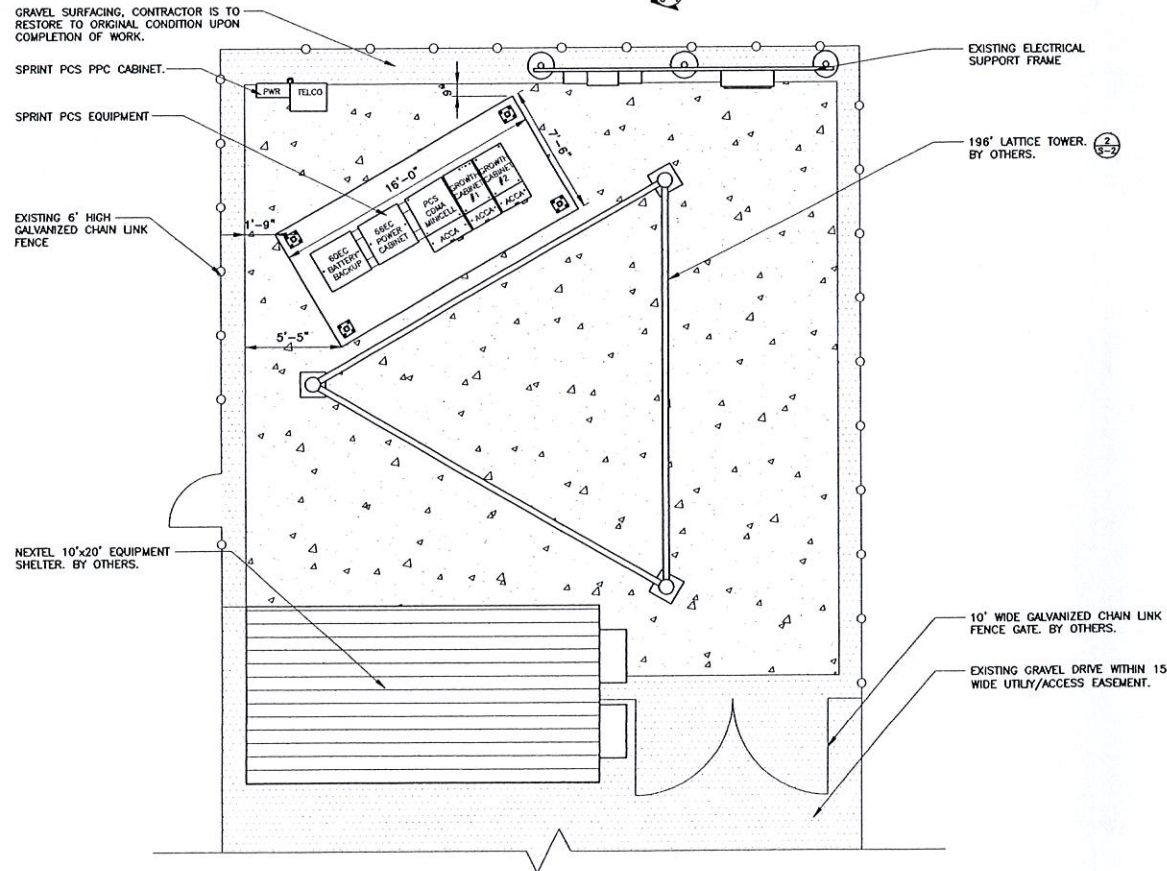
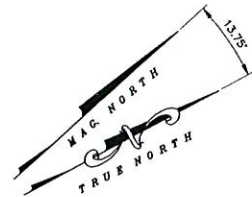
NOLAN FIELD NEXTEL
401 WAKELEE AVENUE
ANSONIA, CONNECTICUT 06401
SITE NO. : CT03XC005

Sprint Spectrum LP
9 Barnes Industrial Road
Wallingford, CT 06492

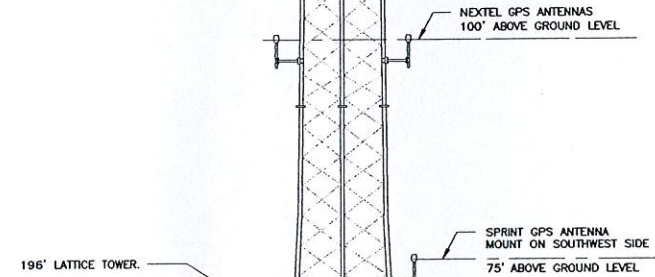
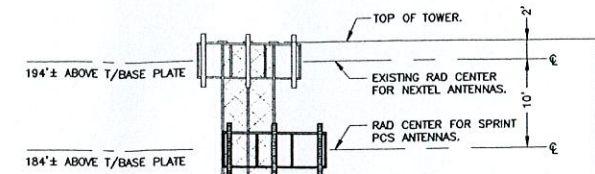
NO.	DATE	REVISIONS	BY	CHK	APPV.
1	03/28/00	ISSUED FOR SITING COUNCIL	JBA	JJP	CFC
DRAWN BY: JBA CHECKED BY: JJP SCALE: AS NOTED DATE: 03/28/00					
				JOB NO.	102A
				DRAWING NUMBER	S-1
				REV.	0



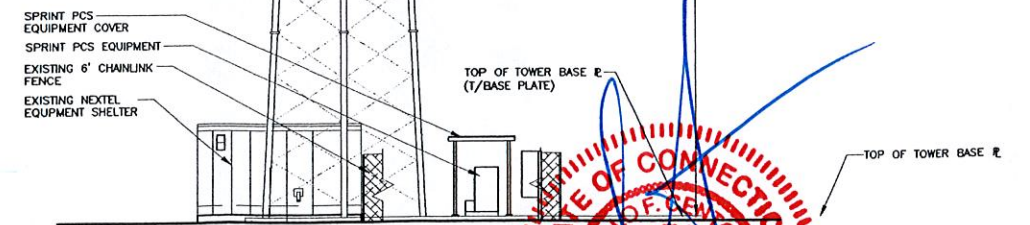
3 TOWER ANTENNA MOUNT CONFIGURATION
S-2 SCALE: NONE



1 COMPOUND PLAN
S-2 SCALE: NONE



2 TOWER ELEVATION
S-2 SCALE: NONE

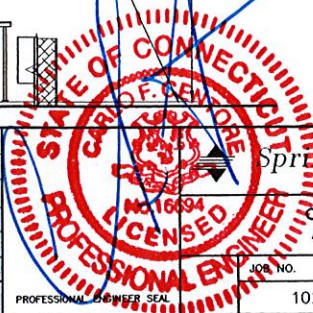


NATCOMM
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Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers - Project Management
Site Acquisition - Communications Installations

NOLAN FIELD NEXTEL
401 WAKELEE AVENUE
ANSONIA, CONNECTICUT 06401
SITE NO.: CT03XC005

Sprint Spectrum LP
9 Barnes Industrial Road
Wallingford, CT 06492

NO.	DATE	REVISIONS	BY	CHK	APPV.
1	03/28/00	ISSUED FOR SITING COUNCIL	JBA	JJP	CFC
DRAWN BY: JBA CHECKED BY: JJP SCALE: AS NOTED DATE: 03/28/00					
PROFESSIONAL ENGINEER SEAL					NO. 102A
COMPOUND PLAN AND ELEVATION					DRAWING NUMBER: S-2
					REV. 0



SCHEDULE B

MANZI ENGINEERING

3 CIFRE LANE
PLAISTOW, NH 03865
(603) 382-6219
(603) 382-0523 (fax)

*SPECIALIZING IN TELECOMMUNICATIONS
RELATED STRUCTURAL ENGINEERING*

March 21, 2000

Natcomm, L.L.C.
63-2 North Branford Road
Branford, CT 06405
Attn: Jason Pintek

Dear Jason,

Per your recent request I am providing you with the enclosed analysis of the 196-ft. ROHN SELF-SUPPORTING TOWER at Ansonia, CT. The study considers the addition 3 Rohn antenna mounting frames similar to the existing with 12 ALP110-11 type panel antennas at the 184' elevation. It also allows for the addition of 3 more panels at the 194' elevation on the existing frames.

This analysis was done in accordance with the EIA/TIA-222-F "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures". Wind loads were generated for a basic design wind speed of 85 mph and a loading combination that included 1/2" of radial ice.

PROPOSED FINAL CONFIGURATION:

- 12 ALP110-11 TYPE PANELS AT 194' AGL ON EXISTING FRAMES
- ADDITION OF THREE ROHN FRAMES AT 184' AGL (SIMILAR TO EXISTING)
- ADDITION 12 ALP110-11 PANELS AT 184' AGL
- 24 ASSOCIATED RUNS OF 1 5/8" COAX EVENLY DISTRIBUTED ON THE EXISTING 2 WAVEGUIDE LADDERS
- 2 EXISTING GPS ANTENNAS AND ASSOCIATED COAX AT ~ 100' AGL

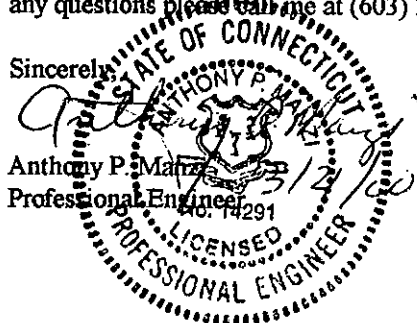
RESULTS: MEETS ALL REQUIREMENTS OF EIA/TIA-222-F

Any changes in antenna type, mount type or routing of coax could affect the validity of this analysis and should be reevaluated.

I appreciate this opportunity to assist you and look forward to working with you in the future. If you have any questions please call me at (603) 382-6219.

Sincerely,

Anthony P. Manzi
Professional Engineer



SCHEDULE C

CT03XC005 - Nextel Tower, Nolan Field, Ansonia, CT
Worst Case Power Density Analysis of Sprint PCS Antennas @ Base of Tower. Assumes Max ERP & No Antenna Pattern Adjustment

Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Total ERP (Watts)	Antenna Height (Feet)	Distance From Base of Tower (Feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure*	%MPE
1962.5	11	367	4037	184	0	0.042927	1	4.2927%
1962.5	11	367	4037	184	50	0.039975	1	3.9975%
1962.5	11	367	4037	184	100	0.033138	1	3.3138%
1962.5	11	367	4037	184	150	0.025788	1	2.5788%
1962.5	11	367	4037	184	200	0.019678	1	1.9678%
1962.5	11	367	4037	184	250	0.015083	1	1.5083%
1962.5	11	367	4037	184	300	0.011734	1	1.1734%
1962.5	11	367	4037	184	350	0.009295	1	0.9295%
1962.5	11	367	4037	184	400	0.007497	1	0.7497%
1962.5	11	367	4037	184	450	0.006149	1	0.6149%
1962.5	11	367	4037	184	500	0.005120	1	0.5120%

*Requirements set forth in OET Bulletin 65. Based on NCRP Report No. 86 and ANSI/IEEE C95.1-1992

CT03XC005 - Nextel Tower, Nolan Field, Ansonia, CT
Cumulative Worst Case Power Density Analysis of Sprint PCS and Nextel Antennas

Operator	Operating Frequency (MHz)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure* (mW/cm ²)	Fraction of MPE (%)
Nextel	851	194	0.008609	0.57	1.52%
Sprint PCS	1962.5	188	0.042927	1.00	4.29%
Total Percentage of Maximum Permissible Exposure					5.81%



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

April 5, 2000

Honorable James T. DellaVolpe
Mayor
City of Ansonia
City Hall
253 Main Street
Ansonia, CT 06401-1866

RE: TS-SPRINT-002-000404 - Sprint PCS request for an order to approve tower sharing at an existing telecommunications facility located at 401 Wakelee Avenue in Ansonia, Connecticut.

Dear Mayor DellaVolpe:

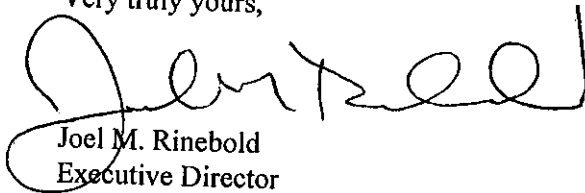
The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Wednesday, April 12, 2000, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

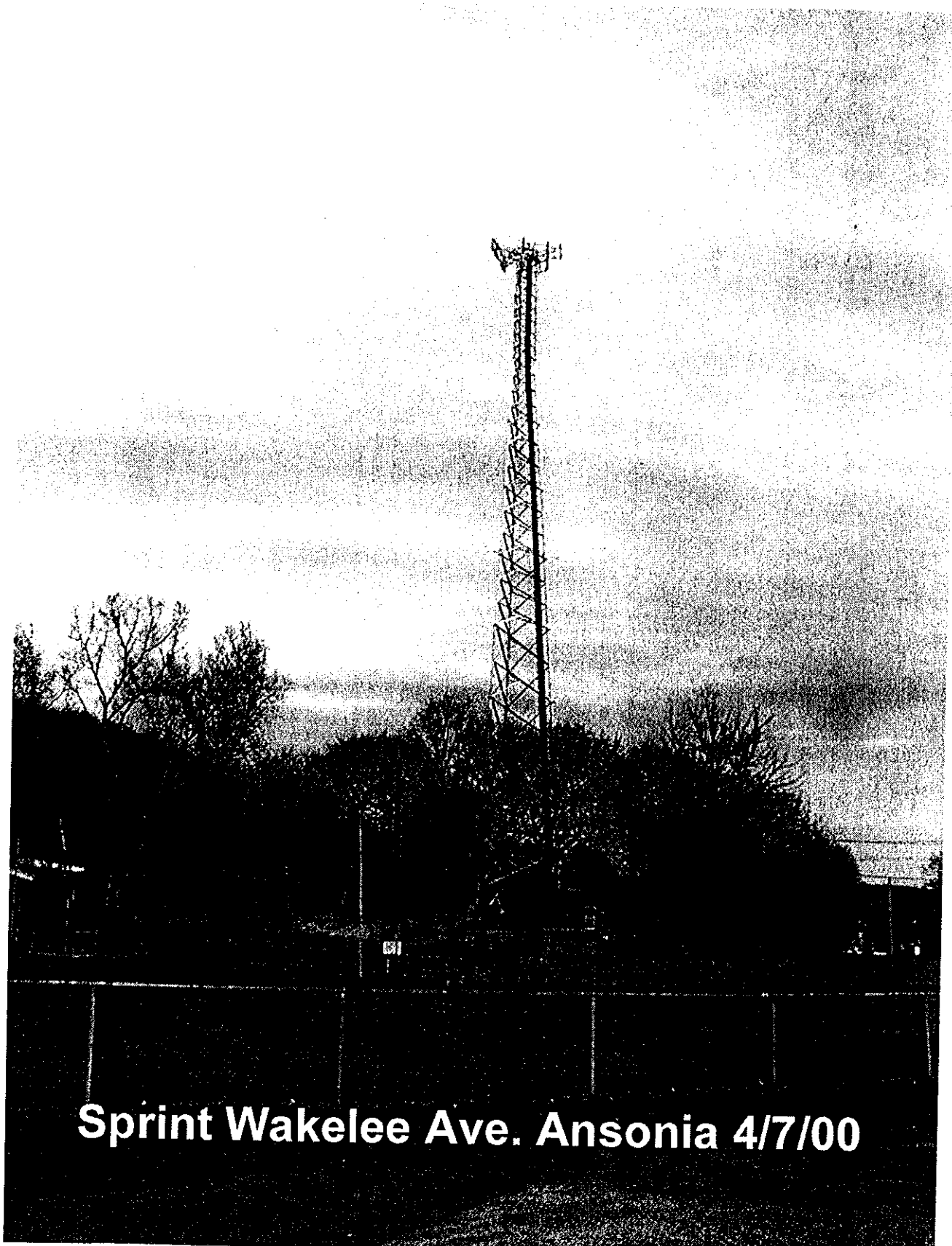
Very truly yours,



Joel M. Rinebold
Executive Director

JMR/jlh

Enclosure: Notice of Tower Sharing



Sprint Wakelee Ave. Ansonia 4/7/00