



Raymond Bell
Senior Specialist Personal Communications
Engineer

Springwich Cellular Limited
Partnership

600 Enterprise Drive
Rocky Hill, CT 08067-3900
Phone 860.513.7888
Fax: 860.513.7100
Pager: 860.473.0473
Email: raymond.a.bell@snet.com

August 18, 1999

Stephen Howard
Real Estate Consultant
Cellular Realty Advisor
500 Enterprise Drive
Rocky Hill, CT 08067-3900

Dear Stephen:

The table below shows the power density values you requested for the proposed North Madison cell site. The calculated field strengths is assumed as worst case, at the base of the structure. The calculated values assume each antenna's main 'transmit beam' is pointing straight down at the base of the structure. Please note that during operation each antenna's main beam will be pointing in a direction parallel to the earth's surface.

I calculated the values, using methods set forth in the August 1997 FCC OET Bulletin No. 65.

COMPANY	FREQ. RANGE (MHz)	POWER / CHANNEL (watt)	NUMBER OF CHANNELS	HEIGHT (FEET)	ANSI/IEEE STANDARDS (mW/cm ²)	POWER DENSITY (mW/cm ²)	PERCENT OF MPE (%)
SNET Wireless.	880 - 894	100	19	140'	0.5887	0.0384	6.5408%
Sprint PCS	1902.5	122	11	150'	1.0000	0.0235	2.3458%
Nextel	851	100	8	160'	0.5873	0.0122	2.1538%
Bell Atlantic	869	100	19	170'	0.5793	0.0256	4.4152%
Fire Company	46.06	100	1	180'	0.2000	0.0012	0.5978%
Police Department	453.475	100	1	180'	0.3023	0.0012	0.3954%
						Total Percent of MPE	16.45%

- *The height used in the calculation is Antenna Center Line (CL) minus 6.56 feet.

Please contact me at the above telephone number, if you have any questions or comments.

Sincerely,

Copy: Donald Richardson, Director of Engineering



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

August 3, 1999

Peter van Wilgen
Director, Real Estate Operations
SNET Wireless, Inc.
500 Enterprise Drive
Rocky Hill, CT 06067-3500

Re: EM-SCLP-076-990708 - Springwich Cellular Limited Partnership notice of intent to modify a telecommunications tower to be replaced at the North Madison Fire Department on 864 Opening Hill Road in Madison, Connecticut.

Dear Mr. van Wilgen:

At a public meeting held on July 29, 1999, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Madison, 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 July 8, 1999. 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/tsg

cc: Honorable Thomas R. Rylander, First Selectman, Town of Madison
Ronald C. Clark, Manager-Real Estate, Nextel Communications
Steve Kotfila, Site Development Manager, Sprint PCS
Sandy M. Carter, Manager-Regulatory, Bell Atlantic Mobile

FILE
COPY

General Power Density

Site Name: North Madison Fire Department
 Tower Height: Overall Tower Height = 180 feet

Operator	Operating Frequency (MHz)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure [†] (mW/cm ²)	Fraction of MPE (%)
BAM	870-880	150 ^a	0.05640	0.583	9.67%
SNET	880	140	0.14930	0.5867	25.45%
Fire Co.		150 ^b	0.01090	0.2	5.45%
Police Dept.		150 ^b	0.01100	0.3023	3.64%
Sprint PCS	1950-1965	150	0.02089	1	2.09%
Nextel	851	160	0.01240	0.56733	2.19%
Total Percentage of Maximum Permissible Exposure					48.49%

[†]Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

^a BAM's antennas will be located at the 170' level on the new tower. The above power density calculation was submitted to the Siting Council with BAM's prior filing and was calculated assuming an antenna height of 150'. These power density levels will decrease with the increase in height on the new 180' tower.

^b The Fire Company and Police Department antennas will be located at the top of new 180' tower, but the exact location and configuration of these antennas has not yet been determined. The power density calculations for the fire and police antennas are for the existing fire and police antennas on the 150' tower and were submitted to the Siting Council with Springwich and BAM's prior filings. These power density levels will decrease with an increase in height of the antenna on the new 180' tower.



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

July 16, 1999

Honorable Thomas R. Rylander
First Selectman
Town of Madison
Madison Town Campus
8 Campus Drive
Madison, CT 06443

RE: TS-SPRINT-076-990707 - Sprint PCS and Nextel Communications request for an order to approve tower sharing at a telecommunications tower to be replaced at the North Madison Fire Department on 864 Opening Hill Road in Madison, Connecticut.

Dear Mr. Rylander:

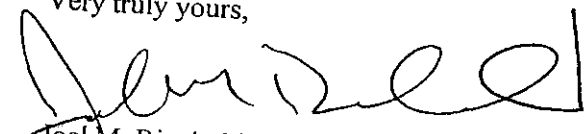
The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Thursday, July 29, 1999, 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/tsg

Enclosure: Notice of Tower Sharing



RECEIVED

JUL -8 1999

CONNECTICUT
SITING COUNCIL

July 8, 1999

SNET Wireless, Inc.
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7730
Fax: (860) 513-7614

Peter W. van Wilgen
Director - Real Estate Operations

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

In Re. Springwich Cellular Limited Partnership - Antenna Change on the
North Madison Fire Department Replacement Tower

Dear Mr. Rinebold:

As you know, the existing 150 foot tall lattice style tower at the North Madison Fire Department presently used by the Springwich Cellular Limited Partnership (SCLP) is in the process of being replaced with a new 180 foot lattice tower. This replacement tower was approved by the Town of Madison for use by the Town, SCLP, Bell Atlantic Mobile, Sprint PCS and Nextel Communications.

An earlier Exempt Modification filed by Bell Atlantic Mobile requesting approval to add their antennas to the replacement tower stated that SCLP's two existing whip style antennas would be relocated to the new tower. SCLP's plans have since changed, as SCLP has begun the process of replacing all of its omni-directional antennas with directional antennas wherever possible, in order to reduce interference within its system. This replacement tower allows SCLP to do so.

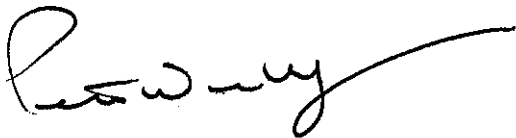
Thus, this is to advise the Connecticut Siting Council (Council) that SCLP will be replacing its whip antennas with a directional antenna array on the replacement tower. SCLP will install twelve Allgon Model 7120.16 directional panel antennas on the tower, at the same height (140 feet) as its existing antennas are presently mounted. In anticipation of SCLP's probable future change from omni to directional antennas, the replacement tower was designed with sufficient structural capacity to allow this to be done.

In a spirit of cooperation, Sprint originally offered to notify the Council of SCLP's planned antenna change when Sprint filed a tower sharing application for itself and Nextel. While in the process of preparing their filing, Sprint felt that since SCLP was already an existing user of the tower, SCLP's notification of its planned antenna change might become lost in Sprint's full tower sharing filing, and they suggested that it may be preferable that we provide a letter to notify the Council ourselves.

Since Sprint has already calculated and included SCLP's revised power density calculations in their filing to the Council, I have attached a copy of the chart they filed showing the power densities for all the carriers planning to use the site.

Thank you for your consideration in this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read "Rowley", with a long horizontal flourish extending to the right.

Madison, CT - North Madison Volunteer Fire Company's Tower

Power Density Analysis

Transmitters:

	CT Standard mW/cm2	Power Density at 25' from tower base mW/cm2
BANM - 870 - 880 MHz at 110' AGL	0.583	0.0564
BANM - % of CT standard		9.7%
Springwich Cellular - 880 MHz at 140' AGL	0.5867	0.1493
Springwich - % of CT standard		25.45%
Fire Company	0.2	0.0109
Fire Company - % of CT standard		5.45%
Police Department	0.3023	0.0110
Police Department - % of CT standard		3.64%
Nexel - 851 MHz at 160' (Proposed)	0.56733	0.00335
Nexel - % of CT standard		0.59%
Total % of CT Standard		44.83%

NOTE: The Fire Company and Police Department antennas will be located at the top of the new 180' tower, but the exact location and configuration of these antennas has not yet been determined. The power density calculations for the fire and police antennas are for the existing fire and police antennas on the 150' tower and were submitted to the Siting Council with Springwich's and BANM's prior filings. These power density levels will decrease with an increase in height of the antennas on the new 180' tower.

SPRINGWICH CELLULAR LTD PARTNERSHIP

(TS-SCLP-076-990708)

(North Madison Fire Dept., 864 Opening Hill Road, Madison)

EXEMPT MODIFICATION

**SEE: SPRINT PCS FOR MORE INFO. ON THIS
LOCATION**