



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
New Britain, Connecticut 06051-4225  
Phone: 827-7682

# FILE COPY

September 1, 1995

Peter J. Tyrrell, Sr. Attorney  
Springwich Cellular Ltd. Partnership  
227 Church Street  
New Haven, CT 06510

Re: Springwich Cellular Limited Partnership notice of intent to modify an existing telecommunications facility located at 50 Newtown Road, Danbury, Connecticut.

Dear Attorney Tyrrell:

At a meeting held August 29, 1995, the Connecticut Siting Council (Council) ruled that the proposed facility would not cause a significant change or alteration in the physical and environmental characteristics of the site by the placement of two directional panel cellular antennas on an existing 100-foot non-facility tower and acknowledged your notice of intent to modify this existing non-facility tower and associated equipment located at 50 Newtown Road, Danbury, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modification is to be implemented as specified in your notices dated August 18, and 28, 1995. As proposed, the modification is in compliance with the exception criteria specified in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as a change to an existing non-facility site that would not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels or more, and add radio frequency sending or receiving capability which increases total frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State of Connecticut, Department of Environmental Protection pursuant to General Statutes § 22a-162. This acknowledgment is subject to Springwich Cellular Limited Partnership receiving all municipal zoning approvals and building permits.

The Council is pleased to note that the use of an existing tower serves the Council's long-term goal of protecting the public interest by avoiding proliferation of additional tower structures.

Please notify the Council upon completion of construction.

Very truly yours,

Mortimer A. Gelston  
Chairman

MAG:FOC:mmb

cc: The Hon. Gene F. Eriquez, Mayor, City of Danbury

SNET Mobility, Inc.  
555 Long Wharf Drive  
New Haven, Connecticut 06511  
Phone (203) 553-7601



August 28, 1995

Mr. Mortimer A. Gelston, Chairman  
Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051

RECEIVED

AUG 29 1995

CONNECTICUT  
SITING COUNCIL

Barry F. Burke  
*Vice President-Operations*

Dear Mr. Gelston,

Springwich Cellular Limited Partnership (SCLP) respectfully submits the following supplemental information to its filing of Aug. 18, 1995 for a cellular telephone facility at 50 Newtown Road in Danbury, Connecticut:

- 1.) A favorable ruling by the Council would not cause a significant change or alteration in the physical and environmental characteristics of the site.
- 2.) The boundaries of the site will not be extended.
- 3.) Noise levels at the site boundary will not be increased by 6 decibels or more.
- 4.) Radio frequency electromagnetic radiation power densities measured at the site boundary will not be increased to or above the existing State and Federal Standards.
- 5.) All necessary approvals and permits will be obtained by SCLP upon approval of the facility, by the Council.

Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink that reads "Barry F. Burke".

SNET Mobility, Inc.  
555 Long Wharf Drive  
New Haven, Connecticut 06511  
Phone (203) 553-7601



Barry F. Burke  
Vice President-Operations

August 28, 1995

CONNECTICUT  
SITING COUNCIL

Mr. Mortimer A. Gelston, Chairman  
Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051

AUG 28 1995  
RECEIVED

Dear Mr. Gelston,

Springwich Cellular Limited Partnership (SCLP) respectfully submits the following supplemental information to it's filing of Aug. 18, 1995 for a cellular telephone facility at 50 Newtown Road in Danbury, Connecticut:

- 1.) A favorable ruling by the Council would not cause a significant change or alteration in the physical and environmental characteristics of the site.
- 2.) The boundaries of the site will not be extended.
- 3.) Noise levels at the site boundary will not be increased by 6 decibels or more.
- 4.) Radio frequency electromagnetic radiation power densities measured at the site boundary will not be increased to or above the existing State and Federal Standards.
- 5.) All necessary approvals and permits will be obtained by SCLP upon approval of the facility, by the Council.

Thank you for your consideration.

Sincerely,

A handwritten signature in cursive script that reads "Barry F. Burke".

**ORIGINAL**

Springwich Cellular Limited Partnership  
227 Church Street  
New Haven, Connecticut 06510  
Phone (203) 771-7381

**SPRINGWICH CELLULAR LIMITED PARTNERSHIP**

**Peter J. Tyrrell**  
Senior Counsel

August 18, 1995

**RECEIVED**

AUG 18 1995

**CONNECTICUT  
SITING COUNCIL**

Mr. Mortimer A. Gelston, Chariman  
Connecticut Siting Council  
136 Main Street, Suite 401  
New Britian, Connecticut 06051

Dear Chairman Gelston:

Enclosed please find a Notice of Intent to Modify an Non-Exempt Tower and Equipment for facilities owned and operated by Fifty Newtown Road Corp., located at 50 Newtown Road, Danbury, Connecticut.

The Springwich Cellular Limited Partnership (SCLP), an affiliate of Southern New England Telephone (SNET), proposes to add antennas to an existing tower and to install radio equipment inside the adjacent office building to provide cellular communications services.

The attached pages detail the required information. As is shown in attachment, the proposed addition meets all the necessary criteria established in the Regulations of Connecticut State Agencies Section 16-50j-72 (c) and is thus an exempt facility pursuant to Section 16-50j-73.

Please record me as counsel for SCLP in this matter and in all correspondence from the Council.

Thank you for your cooperation.

Very truly yours,

*Peter J. Tyrrell*

Copy to: Honorable Gene F. Eriquez, Mayor  
City of Danbury

**ORIGINAL**

STIMMINGWICH CELLULAR LIMITED PARTNERSHIP

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RECEIVED

AUG 10 1993

CONNECTICUT  
STIMMING COUNCIL

August 10, 1993

Mr. Anthony A. ...  
Connecticut ...  
The State ...  
New Britain, Connecticut

Dear Mr. ...

Enclosed for the ... and ...  
The ...

The ...  
and ...

The ...  
...

Very truly yours,

...

*[Handwritten Signature]*

City of ...  
...

**DANBURY**

Pursuant to selection 16-50i (a) (5) of the Connecticut General Statutes and Section 16-50j-72 (c), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing non exempt Telecommunications Facility by adding cellular service antennas to an existing 100 foot communications tower located at 50 Newtown Road, Danbury, Connecticut and install cellular communications equipment inside the abutting office building.

**DISCUSSION**

Fifty Newtown Road Corp., the, property owner, has a 100 foot guyed lattice communications tower located on the West side of its property. Over the past few years, the tower has been used by a number of tenants, including several paging companies. At present, there is one tower user: A building tenant who has a citizens band radio antenna mounted at the 61 foot level of the tower. Springwich plans to install two (2) directional panel antennas atop the existing tower and place its cellular radio equipment inside the adjacent office building. All non-functioning antennas, cables, etc. currently mounted on the tower will be removed.

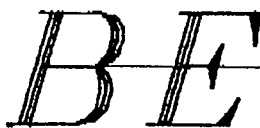
Power Density Calculations are shown below. The Connecticut standard has been established as the exposure levels in the standard recommended by the American National Standards Institute (“ANSI”) Committee C95.1. The ANSI C95.1 Standard is frequency dependent and at 880 MHz The exposure limit is 0.5867 milliwatts/square centimeter. The power densities below are calculated two ways:

- (1) to show an ultraconservative, worst-case situation which assumes that the antennas are pointing at the ground (Main Beam Focused at Target), and
- (2) to depict more realistic expected power densities by taking into consideration the actual orientation of the antennas and the relative field strength of the energy actually projected downward (Main Beam Focused at Horizon).

	<u>Worse Case Analysis</u>				<u>More Realistic Calculation</u>			
	<u>Distance</u>	<u>Cellular 100W</u>	<u>CB 20 Watts</u>	<u>Total</u>	<u>Distance</u>	<u>Cellular 1.32 W</u>	<u>CB 20 Watts</u>	<u>Total</u>
Power Density= % Standard=	0	0.0968365 16.5053%	0.0029713 1.2034%	17.7087%	0	0.0012782 0.2179%	0.0029713 1.2034%	1.4213%
Power Density= % Standard=	10	0.0959208 16.3492%	0.0028955 1.1727%	17.5219%	10	0.0012662 0.2158%	0.0028955 1.1727%	1.3885%
Power Density= % Standard=	100	0.507787 8.6550%	0.0008154 0.3302%	8.9852%	100	0.0006703 0.1142%	0.0008154 0.3302%	0.4444%
Power Density= %Standard=	1000	0.001056 0.1800%	0.0000112 0.0045%	0.1845%	1000	0.0000139 0.0024%	0.0000112 0.0045%	0.0069%

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i (d) . This is because there is no change in the facility's height. There is no extension of the boundaries of the site. There will be no increase in noise levels at the site's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in section 22 (a) -162 of the Connecticut General Statutes. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.



BAYAR ENGINEERING, P.C.  
Structural Engineers

P.O. Box 1287, Port Chester, NY. 10573-8287  
TEL: (914) 939-8483 FAX: (914) 987-2147

*Demirtas C. Bayar, P.E.*

August 17, 1995

Mr. Ron Clark  
Manager-Real Estate  
SNET Mobility, Inc.  
555 Long Wharf Drive, 8th Floor  
New Haven, CT 06511

Re: Guyed tower at 50 Newtown Road, Danbury, CT.  
BE Estimate 9522

Dear Ron,

At your request we visited the site and reviewed the condition of the existing 100' guyed tower type Rohn 45 on the property of BRT Co. at 50 Newtown Road, Danbury, CT.

Our visual observation of the tower indicates that the tower is in good condition and will be capable of supporting two ALP11011N antennas at the top of the tower and the existing yagi antenna located 61' above the grade level. There will be a need to adjust the present guy arrangement and retension the guys same as in a standard maintenance work performed periodically on all guyed towers. Other minor work will include the design of the new antenna supports and the cable runs.

We will be glad to elaborate on these items if you so request.

Yours truly,

A handwritten signature in cursive script that reads "Demirtas C. Bayar".

Demirtas C. Bayar, P.E.  
President