

ORIGINAL

Southern New England Telephone
227 Church Street
New Haven, Connecticut 06510
Phone (203) 771-7381



Peter J. Tyrrell
Senior Attorney

June 17, 1993

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

CONNECTICUT
SITING COUNCIL

Dear Honorable Chairman Gelston:

Enclosed please find a Notice of Intent to Modify an Exempt Tower and Associated Equipment owned by the Southern New England Telephone Company (SNET) located off Willis Street (South Mountain) in Bristol, Connecticut.

Springwich Cellular Limited Partnership (SCLP) proposes to add antennas to two existing 80' towers owned by SNET at this location to provide partial cellular telecommunications to the City of Bristol.

The attached pages detail the required information. As is shown in the attachment, the proposed addition meets all the necessary criteria established in the Regulations of Connecticut State Agencies, Section 16-50j-72(b)(2) 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.

Sincerely,

A handwritten signature in black ink that reads "Peter J. Tyrrell". The signature is written in a cursive style with a large initial "P".

Attachment

cc: Honorable William T. Stortz, Mayor, City of Bristol,
City Hall, 111 North Main Street, Bristol, 06010

Mr. Wayne E. Ferguson, Real Estate Agent, Connecticut
Light and Power Company, P. O. Box 270, Hartford, 06141-0270.

BRISTOL

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, Springwich Cellular Limited Partnership (SCLP), a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify two existing telecommunications facilities by adding cellular antennas on two existing 80 foot towers, and an associated 12' x 26' modular radio equipment building adjacent to the towers. In order to expedite the provision of cellular service at this location, SCLP also requests approval to place its portable cell site building (the one approved by the Council for temporary use during construction of the permanent equipment building in Monroe) adjacent to the fence as shown on the attached site plan. This approach will allow us to test the utility of using these two towers for cellular use in an attempt to reuse existing towers. The site is located off Willis Street, South Mountain, Bristol, Connecticut.

The location will be shared with its current owner and operator, the Southern New England Telephone Company (SNET), and will be used by SCLP as a cell site to provide cellular mobile telecommunications service within the Hartford NECMA. The proposed tower modification would contain two (2) omnidirectional transmit and receive antennas attached at the 80' level of each of the towers.

SCLP will request a building permit for its permanent radio equipment building from the City of Bristol upon approval from the Council for use of this site.

DISCUSSION

Detailing SCLP's use of the existing SNET towers, these towers include two 80' tall guyed towers (CSC tower list #'s 77 and 78) located off Willis Street (South Mountain) in Bristol, Connecticut, on property owned by the Connecticut Light and Power Company (CL&P). SNET leases approximately one (1) acre of land from CL&P at this location for its towers.

Also at this location are two other towers, one 125' CL&P tower (CSC tower list #119) and one 123' TCI Cablevision tower (CSC tower list #8), both approximately 300' away from the SNET towers. The proposed antenna additions to the SNET towers will supply additional cellular service to portions of the City of Bristol.

The proposed antenna additions will consist of two (2) omnidirectional antennas mounted at the 80' level on each of the towers, on the opposite side of the existing SNET panel reflector antennas. A 12' x 26' equipment building will be installed within the leased site boundary just outside the fenced area surrounding the two SNET towers and their associated guy wires, to house the radio equipment associated with the SCLP antennas. The temporary portable cell site building will also be placed outside the fenced area away from the construction area for the permanent building. A site plan of the area SNET leases from CL&P showing the location of the two towers and planned temporary and permanent equipment buildings is attached.

The power density of the cellular frequency band is shown below in units of milliwatts per square centimeter. The power density level has been calculated based on the cell site transmitting simultaneously on 56 voice channels at maximum power.

<u>SERVICE</u>	<u>LOCATION HEIGHT AMSL FT.</u>	<u>DISTANCE TO ANTENNA CENTERLINE FEET</u>	<u>POWER DENSITY AT SITE BOUNDARY (90' FROM TOWER BASE) IN mw/cm²</u>				<u>CONNECTICUT STANDARD</u>	<u>PERCENT OF STANDARD</u>
			<u>EXISTING</u>	<u>INCREASE</u>	<u>TOTAL</u>			
Cellular	1033	115.26	0.0	0.236877	0.236877	2.933	8.08	

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The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency band is 2.933 milliwatts/cm², respectively. The level demonstrated in this case is well below the standard level. As this is a passive location for SNET, that is, no telephone signals originate from this location, but rather they are reflected by the panels on the two towers in order to change their directions, no power density figures are shown for SNET.

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 tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower'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.