



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

FILE  
COPY

December 20, 1993

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

Re: Springwich Cellular Limited Partnership notice of intent to modify an existing telecommunications tower and associated equipment owned by the Southern New England Telephone Company located off Fairfield Drive in Brookfield, but is actually in the Town of Newtown, Connecticut.

Dear Attorney Tyrrell:

At a meeting held December 15, 1993, the Connecticut Siting Council (Council) acknowledged your notice of an exempt modification of an existing tower site off Fairfield Drive in Newtown, Connecticut, pursuant to section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modification is to be implemented as specified in your notice dated November 9, 1993. The modification is in compliance with the exception criteria in RSA section 16-50j-72(b) 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 6 decibels, and increase 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 section 22a-162 of the Connecticut General Statutes.

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

Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston  
Chairman

MAG/SMH/ss

cc: Honorable Robert Cascella, First Selectman, Town of Newtown  
7508E-1



Peter J. Tyrrell  
*Senior Attorney*

RECEIVED  
NOV 9 1993

November 9, 1993

CONNECTICUT  
SITING COUNCIL

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

Dear Chairman Gelston:

Enclosed please find a Notice of Intent to Modify an Exempt Tower and Associated Equipment owned by the Springwich Cellular Limited Partnership (SCLP), for the attachment of antennas and the addition of associated radio equipment in a second building to be constructed by Bell Atlantic Mobile (BAM). The tower is located off Fairfield Drive in Brookfield, but is actually in the Town of Newtown, Connecticut.

Please record my name as counsel for the Springwich Cellular Limited Partnership in this matter and in all correspondence from the Council.

Thank you for your cooperation.

Very truly yours,

A handwritten signature in cursive script that reads "Peter J. Tyrrell".

Attachment

cc: Honorable Zita B. McMahon, First Selectwoman, Town of Newtown, Edmond Town Hall, 45 Main Street, Newtown, CT 06470

Mr. David S. Malko, General Manager - Engineering,  
Bell Atlantic Mobile, 20 Alexander Drive, P.O. Box  
5029, Wallingford, CT 06492

STATE OF CONNECTICUT  
SITING COUNCIL

NOTICE OF INTENT TO MODIFY AN EXEMPT TOWER  
AND ASSOCIATED EQUIPMENT

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies, the Springwich Cellular Limited Partnership (SCLP), a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council (Council) that it intends to modify an existing telecommunications tower and associated equipment to add cellular antennas and associated cellular radio equipment within a new building to be installed by Bell Atlantic Mobile (BAM), as described herein. The site is located off Fairfield Drive in Brookfield, but is actually in the Town of Newtown, Connecticut.

The location will be shared with its current owner and operator, SCLP, and will be used by BAM as a cell site to provide cellular mobile telecommunications service in Fairfield County within the Fairfield NECMA. The proposed tower modification would contain both directional transmit and receive antennas. A second equipment building will also be required for BAM's equipment. SCLP requests that the

Council issue the necessary approvals for both the antennas and additional building, subject only to the Town of Newtown's issuance of a building permit for the second building.

#### BACKGROUND

On December 1, 1986, SCLP's predecessor filed an application with the Council for a cell site located off Newfield Avenue in Stamford. This application was assigned Docket 75, and was ultimately approved on May 13, 1987. SCLP constructed a 21 foot x 24 foot equipment building and a 150 foot monopole tower at this location in compliance with the Council's Certificate of Environmental Compatibility and Public Need.

On November 6, 1987, Bell Atlantic Mobile's predecessor (Metro Mobile CTS of Fairfield County, Inc.) filed an application for a site in Newtown off Route 34 (Berkshire Road). This application was assigned Docket 89 and was ultimately approved by the Council on March 3, 1988. BAM constructed a 21 foot x 22 foot equipment building and a 180 foot monopole tower at this location in compliance with the Council's Certificate of Environmental Compatibility and Public Need.

As the Council will recall, SCLP and BAM have previously submitted Notices of Exempt Modification to share sites in Old Saybrook, Stonington, Plainfield, Stamford North,

Fairfield, Clinton, Wilton and Milford. These Notices have been acknowledged favorably by the Council as to their keeping with the Council's long term goal of sharing towers whenever possible.

The companies have again agreed to share two additional locations, SCLP's Newtown site and BAM's Newtown site. At SCLP's Newtown site, BAM will install a 15 foot x 26 foot prefab equipment building for its radio equipment. At BAM's Newtown site, SCLP will install a 15 foot x 18 foot prefab equipment building for its radio equipment.

This further demonstration of cooperation to jointly share sites obtained and certificated by one of the companies has resulted in reciprocal agreements to use each others' Newtown location and the filing of this Exempt Modification request. SCLP is requesting approval for BAM's use of its Newtown site, and BAM will request approval for SCLP's use of its Newtown site. The leases associated with the use of each others' site are contingent upon these approvals being received from the Council.

#### DISCUSSION

The SCLP tower is located off Fairfield Drive in Brookfield, but is actually located in the Town of Newtown, Connecticut. The proposed antennas and second equipment building are needed to supply cellular service to the Newtown and Route

I-84 areas by BAM. This cell site has been designed by BAM to properly interface with their existing adjacent cell sites.

The existing tower has nine (9) directional antennas mounted on a platform 154 feet above the ground, providing cellular service by SCLP.

The proposed antenna addition consists of nine (9) directional antennas. The antennas to be used will be mounted at 132 feet on custom made brackets, below the existing SCLP cellular antennas located on the 150 foot monopole telecommunications tower. A 15 foot x 26 foot prefab equipment building is required to house the radio equipment associated with BAM's antennas. The building will be placed adjacent to the existing fenced area on the site, and the fencing relocated to surround the new building. Council approval is required to permit BAM to add the antennas and second equipment building so that BAM will be able to use this location.

The maximum power density of SCLP's Newtown facility is set forth below. It has been calculated based at a distance of 20 feet from the tower base, in milliwatts per square centimeter.

<u>Cellular Provider</u>	<u>Power Density</u>	<u>Connecticut Standard</u>	<u>Percent of Standard</u>
SCLP	0.13923	0.5866	23.73
BAM	0.17142	0.5793	29.59

In 1984, the Connecticut Legislature adopted the safety levels of the American National Standards Institute (ANSI) in CGS Section 22a-162. The current ANSI standard for power density levels for non-ionizing radiation for the two cellular bands is shown above, as is the percent of the applicable State standard.

#### CONCLUSION

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 height of the tower. There will be no increase in the boundaries of the site. There will be no increase in noise levels at the cell site's boundary by 6 decibels or more. The total radio frequency electromagnetic radiation power density is below the State standard. This addition will not have a substantial adverse environmental effect pursuant to Connecticut General Statutes Section 16-50j-72(b)(2), and is in the best interest of the State.

The Connecticut State Legislature has adopted legislation directing tower sharing whenever technically, legally,

environmentally and economically feasible. Both SCLP and BAM have made great effort to put aside their competitive differences in order to reach reciprocal agreements which would benefit each company without the need to construct new towers, thus ultimately benefiting the State. SCLP requests that the Council acknowledge and recognize this cooperation, and assist and support the companies by acting favorably on this request.

For the reasons discussed above, SCLP requests that the Council acknowledge that the Notice of Modification meets the Council's exemption criteria, and that the changes and additions requested at this location are not so substantial so as to deny this request, and in fact are in the public interest. Therefore, the Council should issue the necessary approvals to permit the tower modifications and second building as requested.