



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

Ten Franklin Square  
New Britain, Connecticut 06051  
Phone: (860) 827-2935  
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Peter van Wilgen  
SNET Mobility, Inc.  
500 Enterprise Drive  
Rocky Hill, CT 06067-3900

Re: EM-SCLP-158-990727 - Springwch Cellular Limited Partnership notice of intent to modify an existing telecommunications facility located at 880 Post Road East (Route 1) in Westport, Connecticut. (Docket No. 123).

Dear Mr. van Wilgen:

At a public meeting held on August 16, 1999, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Westport, 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 27, 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

c: Honorable Diane G. Farrell, First Selectman, Town of Westport  
Lieutenant Colonel, Marjorie Kolpa, Department of Public Safety



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CONNECTICUT  
SITING COUNCIL

EM-SCLP-158-990727  
(DO123)

SNET Mobility, Inc.  
500 Enterprise Drive  
Rocky Hill, Connecticut 06067-3900  
Phone (860) 513-7730

July 27, 1999

Peter W. van Wilgen  
Director- Real Estate Operations

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

**RE: Notification by Springwich Cellular Limited Partnership Pursuant to the Regulations of Connecticut State Agencies §16-50j-73 of a Modification of an Existing Facility Tower (Docket No. 123) located at 880 Post Road East (Route 1) in Westport, Connecticut.**

Dear Chairman Gelston:

The following package contains notification by Springwich Cellular Limited Partnership (SCLP or applicant) of its intent to modify an existing facility tower owned by the Connecticut State Police (CSP) in the Town of Westport.

Pursuant to the Regulations of Connecticut State Agencies (RSA) §16-50j-73, SCLP hereby notifies the Connecticut Siting Council (Council) and the Honorable Diane Goss-Farrell, First Selectman of its intent to modify and use an existing CSP facility tower located 880 Post Road East (Route 1), Westport, Connecticut (Docket No. 123). SCLP proposes to place its antennas on the tower and install its equipment within an existing building.

### Background

SCLP is licensed by the Federal Communications Commission (FCC) to provide cellular telephone service within the State of Connecticut.

The tower is a 180 foot AGL self-supporting lattice tower. SCLP proposes to place nine Allgon 7120.16 antennas, which are approximately 52 inches long, at the 135 foot AGL level of the tower. SCLP's associated equipment will be placed within the existing equipment shelter located at the base of the tower. SCLP plans to use existing air conditioning units; therefore, no external modifications to the shelter will be necessary.

RSA §16-50j-71 states that the modification of a facility tower shall not have a substantial adverse environmental effect, if criteria, listed in RSA §16-50j-72(b)(2) are met. The criteria in RSA §16-50j-72(b)(2) are described as "Changes on an existing tower site that do not:

- **Increase the tower height.** SCLP's antenna installation at the 135 foot level of the 180 foot tower will not increase the height of the tower.
- **Extend the boundaries of the tower site.** SCLP's will place its equipment within the existing equipment shelter located at the base of the tower. Therefore, SCLP's proposal will not affect the boundaries of the tower site.
- **Increase noise levels at the tower site boundary by 6 decibels.** The existing air conditioning or any upgraded air conditioning that will be used to cool the associated SCLP equipment will not increase noise levels at the site boundary by 6 decibels or more, nor will it cause the site to exceed noise levels above the State standard.

- Add radio frequency sending or receiving capability which increases the total radio frequency electromagnetic radiation power density measured at the 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 placement of SCLP's antennas will not increase the total radio frequency electromagnetic radiation power density measured at the site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to §22a-162 of the Connecticut General Statutes (see Table 1).

**TABLE 1**

|                                     | <u>Freq.</u><br>(MHz) | <u>Power</u><br>(Watts) | <u>Channels</u> | <u>Applicable</u><br><u>ANSI Std.</u> | <u>Calculated</u><br><u>Worst-case</u> | <u>Percentage</u><br><u>of MPE</u> |
|-------------------------------------|-----------------------|-------------------------|-----------------|---------------------------------------|--|------------------------------------|
| SCLP<br>(at 135 ft. AGL)            | 880-894               | 100                     | 19              | 0.5867 mW/cm <sup>2</sup>             | 0.0414 mW/cm <sup>2</sup>              | 7.06                               |
| * Bell Atlantic<br>(at 155 ft. AGL) | 869                   | 100                     | 19              | 0.5793 mW/cm <sup>2</sup>             | 0.0310 mW/cm <sup>2</sup>              | 5.35                               |
| * CSP<br>(at 180 ft. AGL)           | 42.04                 | 100                     | 1               | 0.2000 mW/cm <sup>2</sup>             | 0.0012 mW/cm <sup>2</sup>              | 0.60                               |
| * CSP<br>(at 109 ft. AGL)           | 954.4                 | 1                       | 1               | 0.6363 mW/cm <sup>2</sup>             | 0.0001 mW/cm <sup>2</sup>              | 0.02                               |
| * Bell Atlantic<br>(at 177 ft. AGL) | 2121.6                | 1                       | 1               | 1.0000 mW/cm <sup>2</sup>             | 0.0001 mW/cm <sup>2</sup>              | 0.01                               |
| <b>TOTAL</b>                        |                       |                         |                 |                                       |  | <b>13.03</b>                       |

\* Information necessary for calculation of other tenant's power density provided by the CSP.

The collective worst-case general population/uncontrolled exposure would be 13.03 percent of the ANSI standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be below applicable ANSI standards.

For these reasons, SCLP requests that the Council acknowledge that the proposed changes comply with the criteria specified in RSA §16-50j-72(b)(2) and rule that the proposed modification will not have a substantial adverse environmental effect pursuant to RSA §16-50j-71.

Very truly yours,



Attachments

cc: Honorable Diane Goss-Farrell, First Selectman  
 Ms. Kathy Barnard, Town Planner