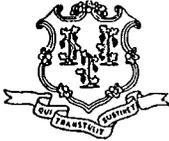


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STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

May 25, 2000

Peter W. van Wilgen
Director, Real Estate Operations
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: TS-SCLP-111-000515 - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located on North Street in Plymouth, Connecticut.

Dear Mr. van Wilgen:

At a public meeting held May 24, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated May 15, 2000.

Thank you for your attention and cooperation.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/RKE/rg

c: Honorable David C. Mischke, Mayor, Town of Plymouth
Brian Benito, Dept. of Public Safety, CSP



RECEIVED
MAY 15 2000
CONNECTICUT
SITING COUNCIL

May 15, 2000

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

Re: Request by Springwich Cellular Limited Partnership for an Order to Approve the Shared Use of a Tower Facility located at North Street, Plymouth, Connecticut.

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes (C.G.S.) Section 16-50aa, Springwich Cellular Limited Partnership ("SCLP") hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by the Connecticut State Police ("Applicant") of an existing tower facility located at North Street in Plymouth, Connecticut. The property is operated by Raymond and Brenda Lagosz & Francis and Barbara Bart. The tower is owned and operated by the Springwich Cellular Limited Partnership (SCLP).

As shown on the attached drawings and as further described below, the Applicant proposes to install antennas on the existing tower and to place its equipment in a 11' 9" x 34' equipment shelter located at the base of the tower.

The Applicant requests that the Council find that the proposed shared use of the tower facility satisfies the criteria stated in C.G.S. § 16-50aa, and to issue an order approving the proposed use. A copy of this letter is being sent to the Mayor of the Town of Plymouth.

Background

The tower facility is located on North Street in Plymouth, Connecticut, with coordinates of N 41° 41' 34.77" and W 73° 03' 14.82", on which is located a 187' monopole. The monopole presently supports eleven (11) SCLP antennas which provide wireless telecommunication service to the public pursuant to SCLP FCC license. The Applicant and SCLP have agreed to the proposed shared use of this tower pursuant to mutually

acceptable terms and conditions. SCLP has authorized the Applicant to apply for all necessary permits, approvals and authorizations, which may be required, for the proposed shared use of this facility.

The Applicant proposes to install four (4) SCALA OGT9-806 antennas, approximately 36 inches in height, on a second lightweight antenna platform with the center of radiation at approximately 160' above ground level ("AGL"), and two (2) receive-only Cellwave pa6-65 with RADome's at the 80' level of the monopole.

Statutory Considerations. C.G.S. § 16-50aa provides that, upon written request for approval of a proposed shared use, "if the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue and order approving such shared use." (C.G.S § 16-50aa(c)(1)).

The shared use of the tower satisfies the criteria in C.G.S § 16-50aa as follows:

- A. **Technical Feasibility.** In order to accommodate the Applicant's antennas at the 160' and 80' level, SCLP will be replacing its existing platform with a new lightweight platform, and smaller, lighter weight antennas, Swedcom ALP-E-9011 Model which are 43" in height and 6.5" in width. By making these modifications, the proposed shared use of this tower is therefore technically feasible.
- B. **Legal Feasibility.** Under C.G.S § 16-50aa, the Council has been authorized to issue an order approving the proposed shared use of an existing tower facility such as the facility located on North Street. (C.G.S § 16-50aa(c) (1)). This authority complements the Council's prior-existing authority under C.G.S § 16-50p to issue orders approving the construction of new towers that are subject to the Councils jurisdiction. C.G.S § 16-50x(a) directs the Council to "give such consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing tower facilities. Under the authority vested in the Council by C.G.S § 16-50aa, an order approving the shared use would permit the Applicant to obtain a building permit for the proposed installation.
- C. **Environmental Feasibility.** The purposed shared use of this tower facility would have a minimal environmental effect for the following reasons:
 1. The proposed installation would have an insignificant incremental visual impact and would not cause any significant change or alteration in the physical or environmental characteristics of the property. The addition of the proposed antennas would not increase the height of the tower. The Applicant's equipment will be housed in a 11'9" x 34' equipment shelter located at the base of the tower as shown on the attached site plan.
 2. The proposed installation would not increase noise levels at the existing facility by

six decibels or more.

3. Operation of the additional antennas at this site will not increase the total radio frequency electromagnetic radiation power density levels adopted by the State of Connecticut and the FCC as shown below. "Worst-case" exposure calculations for a point of interest at the base of the tower in relation to the operation of the Applicant's and SCLP's antenna arrays are as follows:

FREQUENCY	POWER DENSITY	HEIGHT	STANDARD LIMITS (mW/cm ²)	% OF STANDARD
SCLP (880)	0.0214592	178.44'	0.5867	3.6578%
CSP (823.2)	0.0000147	156.44'	0.5488	0.0027%
Pagenet	0.0108045	182.44'	0.6210	1.7397%
TOTAL	N/A		N/A	5.4002%

As the table demonstrates, The collective "worst-case" exposure would be only 5.4002% of the ANSI/IEE standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be well below applicable ANSI/IEE standards.

4. The proposed installation would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is completed (approximately four weeks), the proposed installation would not generate any vehicular traffic other than periodic maintenance visits. The proposed use of the facility would therefore have a minimal environmental effect, and is environmentally feasible.

D. **Economic Feasibility.** The Applicant has entered into an agreement with to share use of the tower and install the new storage building. The proposed facility sharing is therefore economically feasible.

E. **Public Safety Concerns.** As stated above, the existing tower is structurally capable of supporting the Applicant's proposed antennas. The Applicant is not aware of any other public safety concerns relative to the proposed sharing of the tower. In fact, the provision of new or improved wireless coverage for the Connecticut State Police in the Plymouth and Route 8 area is expected to enhance the safety and welfare of Plymouth residents. The proposed-shared use of this facility would improve public safety in the Town of Plymouth.

Conclusion

For the reasons discussed above, the proposed shared use of the existing tower facility at North Street in the Town of Plymouth satisfies the criteria stated in C.G.S. § 16-50aa and advances the General Assembly's and the Council's goal of preventing the proliferation of tower in Connecticut. The Applicant therefore respectfully requests that the Council issue an order approving the proposed shared use.

Sincerely,

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

cc: Mayor David C. Mischke
Town of Plymouth
Town Hall
19 East Main Street
Terryville, CT 06786-1209

enclosures

