STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

[illegible] Dibble Pond
Chairperson

COMMISSIONERS

Energy/Telecommunications

Peter G. Boucher
Leslie Carothers

Hazardous Waste/Low-level Radioactive Waste

F[illegible]rick G. Adams
B[illegible]ard R. Sullivan

COUNCIL MEMBERS

Harry E. Covey
Mortimer A. Gelston
Daniel P. Lynch, Jr.
Paulann H. Sheets
William H. Smith
Colin C. Tait

Joel M. Rinebold
Executive Director

Stanley J. Modzelesky
Executive Assistant

April 10, 1990

Peter J. Tyrrell
Senior Attorney
SNET Cellular, Inc
227 Church Street
New Haven, CT 06506

RE: SNET Cellular Inc., (SCI) Notice of Intent to Modify an Exempt Tower and Associated Equipment owned by the Southern New England Telephone Company (SNET) in Lebanon, Connecticut.

Dear Attorney Tyrrell:

At a meeting on April 9, 1990, the Connecticut Siting Council acknowledged your notice of intent to modify an exempt telecommunications tower and associated equipment located on Gates Road in Lebanon, Connecticut, pursuant to Section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modifications are to be implemented as specified in your notice dated March 1, 1990, "Option Two", the replacement of both of the existing 80-foot and 120-foot guyed SNET towers with one self-supporting 120-foot tower. As proposed, the modifications are in compliance with the exception criteria specified in RSA Section 16-50j-72(b)(3) as a replacement of an existing CATV tower or telecommunications tower and associated equipment with a tower that is no taller than the tower to be replaced and that will not support public service company or state antennas, or antennas to be used for public cellular radio communications emitting 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 Section 22a-162 of the Connecticut General Statutes.

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

Enclosed for your reference is a copy of the Staff Report on this Exempt Modification, dated April 9, 1990. Please notify the Council upon completion of construction.

Very truly yours,

Gloria Dibble Pond/rc

Gloria Dibble Pond
Chairperson

Enclosure

cc: Donald Chapman

4313E-4

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

Notice of Intent of Modify an Existing Tower
SNET Cellular, Inc.
Lebanon, Connecticut
April 9, 1990

On March 1, 1990, SNET Cellular Inc. (SCI) submitted to the Siting Council a Notice of Intent to Modify a tower and associated equipment in the Town of Lebanon. On March 7, 1990, Robert A. Pulito of the Siting Council and Joel M. Rinebold and Robert K. Erling of the Council staff visited the Lebanon site on which the proposed modifications would take place. On March 30, 1990, Council members Mortimer A. Gelston and Colin C. Tait visited the site with Council staff members Joel M. Rinebold and Robert K. Erling.

SCI has proposed two options to replace an existing 120-foot guyed telecommunications tower on Gates Road in Lebanon. This tower site would be leased from its current owner, the Southern New England Telephone Company (SNET), and would be used to provide cellular telephone service in New London County, overlapping with coverage from an adjacent cell site in Colchester, and a planned cell site in Ashford.

There are currently four existing guyed towers on two adjacent properties on this hilltop site. Two of these towers are owned by SNET on SNET property containing 1.7 acres. These towers are 80 feet and 120 feet in height. Two towers on an adjacent property of 1.2 acres owned by Colin K. and Loretta L. Rice are 120 feet and 290 feet in height. The 120-foot tower on the Rice property is owned by Tele-Media Company of Northeastern Connecticut, and was certificated by the Council as part of Docket 43 in 1984. The 290-foot tower is owned by radio station WILI.

The 120-foot SNET tower is painted and lighted because it was constructed before the nearby WILI tower, which is also obstruction marked and lighted.

The following guying information was supplied by SCI.

Tower Owner	Height	No. of sets of 3-guy wires	Tower Distance to Farthest guy wires
SNET	80 feet	1	65 feet
SNET	120 feet	3	100 feet
Tele-Media	120 feet	3	80 feet
WILI	290 feet	6	150 feet

Both SNET towers were constructed in 1960. The WILI tower was constructed in 1980, and the Tele-Media tower was built in 1984. All four of these towers were erected prior to the construction of any of the nearby homes on Gates Hill Road. These homes were built between 1987 and 1988.

Option One of SCI involves the replacement of the existing 120-foot SNET tower with another 120-foot guyed tower which has the capacity to support both the existing antennas and new cellular transmit and receive antennas. The existing 120-foot tower cannot accommodate the proposed cellular antennas. The existing 80-foot SNET tower would remain in place.

Option Two of SCI would replace both of the existing SNET towers with a single 120-foot self-supporting tower. The replacement of the two existing towers would mean the removal of 1808 feet of guy wires. The proposed 120-foot tower would measure approximately 10 feet across at its base and taper to six feet at its top. Each of the two existing towers has a width of three feet The two existing SNET towers would be removed within six months after the installation of the new tower.

Neither Option One nor Option Two would increase the height of a tower on the SNET property, extend the boundaries of the SNET property, increase noise levels at the site boundary, or increase the total radio frequency electromagnetic radiation power density at the tower site boundary to or above the State Standard of 2.933 mW/cm^2.

SNET does not propose to paint or light the replacement tower or associated dish antennas. SNET has requested the elimination of this painting and lighting requirement for this tower from the Federal Aviation Administration, but has not yet received a response.

A meeting between SCI and the Lebanon Building Inspector indicates that the construction of the new equipment building on the SNET site is a permitted use at this location, requiring a building permit.

Pursuant to Section 16-50j-72(b) of the Connecticut Regulations of State Agencies, "None of the following shall constitute a modification to an existing community antenna television or telecommunications tower that may have substantial adverse environmental effect:

(1) Routine general maintenance and one-for-one replacement of facility components that is necessary for reliable operation;

(2) Changes on an existing tower site that do not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, and add radio frequency sending or receiving capability which increases 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 Section 22a-162 of the Connecticut General Statutes; or

(3) Replacement of an existing CATV tower or telecommunications tower and associated equipment with a tower that is no taller than the tower to be replaced and that will not support public service company or State antennas, or antennas to be used for public cellular radio communications emitting 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 Section 22a-162 of the Connecticut General Statutes.

Robert K. Erling
Senior Siting Analyst

RKE/cp

4237E

Permit No. 0822

Zone: RA

TOWN OF LEBANON

Building Permit Record Date: 5-15-90

VALID FOR ONE YEAR

Owner: Southern New England Telephone, ATTN: Mr. R. Archacki

Address: 195 Church Street, New Haven, CT 06510 Phone 771-5926

DESCRIPTION

New: ✓ Addition: Accessory: Remodel: Alteration: Other: Seasonal: Year Round:

New Precast Telephone Equipment Bldg. and new Tower. Bldg unoccupied No water!

The applicant agrees to conform to all requirements of the laws of the State of Conn. and all ordinances and zoning regulations of the Town of Lebanon, and to notify the Building Official of any changes in specifications for which this permit is issued, and to obtain a certificate of occupancy before using this structure.

INSPECTION REQUIRED

Class: S - B	Flooring: Concrete		Lot No.:
Type: 3C		Tile Bath:	Lot Size:
	Int. Walls: Concrete	Walls:	Set Back: per plan
No. of Rms: 1		Shower:	Side Yard:
No. of Stories: 1	Electrical:	Floors:	Back Yard:
		Heating:	Sub-Div.:
Floor Area: 312 ft		Wa. Htg:	
	No. of Bathrooms:	Stm. Htg:	Hot Water Supply
Foundation: Concrete		H. W. Htg:	
	No. of Toilet Rms.:	Space Htg:	Fireplace:
Construction: Concrete			
	Plumbing Fixtures:		City Water:
Ext. Walls: Concrete	Sink:		Well Water:
	Toilets:	Fuel:	
	Basins:	Oil:	Septic:
Roofing: Concrete	Bathtubs:	Gas:	Sewer:
	Shrstalls:	Elec.:	
Basement: 1			
		Air Cond.:	

Separate Permits Required: Elect, Heat, Plumb, Septic, Well, Stove, All Masonry

Architect: Bayer & Associates, Engineers	Est Cost: 71,000.00
Address: 109 Montgomery Ave, Scarsdale, N.Y.	
Builder: Thomas Corp. License #:	$5 per 1,000 Est Cost. 355.00 $10 Minimum Charge
Address: P.O. Box 2159 Vernon, Ct. 06066	
Applicant's and/or Owner: Signature: Edward M. Rogers	Total: 355.00
Issued by Building Inspector: Donald C. Johnson	
Zoning Officer: Guy Chesebro	