



SNET Mobility, Inc.  
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August 1, 1996

**Ronald C. Clark**  
*Manager-Real Estate*

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

**RECEIVED**

AUG 01 1996

**CONNECTICUT  
SITING COUNCIL**

Dear Chairman Gelston:

Enclosed please find a Notice of Intent to Modify an Exempt Tower and Associated Equipment for an existing communications facility owned by Springwich Cellular Limited Partnership (SCLP). The Facility is located South of Ruops Road in Tolland.

SCLP has entered into an agreement to make space available at the site and on the existing tower to accommodate shared use with Bell Atlantic Nynex Mobile Communications. Coincident with this modification, SCLP will replace its omni directional antennas with directional antennas.

The attached pages detail the required information. As is shown in the attachments, 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.

Thank you for your consideration and cooperation.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Ronald C. Clark".

CC: Mr. John B. Harkins, Tolland Town Manager  
Mr. David Malko, Bell Atlantic Nynex Mobile Communications

## **Ruops Road, Tolland**

Pursuant to Section 16-501 (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) hereby notifies the Connecticut Siting Council of its intent to modify an existing SCLP owned communications facility located South of Ruops Road in Tolland, Connecticut. SCLP plans to make shared use of the facility with Bell Atlantic Nynex Mobile Communications.

### **Background**

The Ruops Road facility is the site of a 150 foot free standing monopole tower that is currently being used by SCLP to provide cellular system coverage in the Tolland area.

The facility was constructed in 1989 under a certificate issued by the Siting Council in Docket No. 100.

### **Discussion**

Bell Atlantic Nynex Mobile plans to install six (6) directional panel transmit antennas above, and six (6) directional panel receive antennas below the tower platform. The transmit antennas will be centerlined at the 154 foot level of the monopole.

Coincident with this installation, SCLP will remove its existing omnidirectional antennas and replace them with directional panel antennas.

Power density calculations for the combined transmission facility are presented on the following page.

# Tolland

SNET Mobility: Antenna center line: 157', Antenna type: ALP11011 (Directional), 19 Channels  
 BANM Antenna center line: 154', Antenna type: ALP11011 (Directional), 19 Channels

Main Beam Focused at Target (Worst Case)	CT Standard	Frequency	Antenna CL	Distance from Tower			
				0'	10'	100'	
SNET Main Lobe 100 Watts % Standard	.5867	880.00	157'	.0433130 7.3829	.0431370 7.3529	.0308133 5.2523	.0010419 .1176
BANM Main Lobe 100 Watts % Standard	.5793	869.00	154'	.0450170 7.7707	.048305 7.7383	.0316648 5.4657	.0010429 .1800
<b>Total percent of Exposure:</b>				<b>15.1536</b>	<b>15.0912</b>	<b>10.718</b>	<b>0.2976</b>

Main Beam Focused at Horizon (More realistic)	CT Standard	Frequency	Antenna CL	Distance from Tower			
				0'	10'	100'	
SNET Secondary Lobe 1.78 Watts % Standard	.5867	880.00	157'	.0005717 .0974	.0005694 .0971	.0004067 .0693	.0000138 .0024
BANM Secondary Lobe 1.32 Watts % Standard	.5793	869.00	154'	.0005942 .1026	.0005918 .1022	.0004180 .0722	.0000138 .0024
<b>Total percent of Exposure:</b>				<b>0.2</b>	<b>0.1993</b>	<b>0.1415</b>	<b>0.0048</b>

## **Conclusion**

The proposed addition does not constitute a “modification” of an existing facility as defined in Connecticut General Statutes Section 16-501 (d). This because: 1) there is no change in the facility’s height; 2) there is no extension of the boundaries of the site; 3) there will be no increase in noise levels at the site’s boundary by six decibels or more; and 4) 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. Therefore, this addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SCLP requests that the Council acknowledge that this Notice of Modification meets the Council’s exemption criteria.

INTERSTATE - 84



APPROVED BY: A. JOHNSON

CHECKED BY: A. JOHNSON

PREPARED BY: R. BURNS

EXISTING TOWER TO REMAIN. PROTECT DURING CONSTRUCTION

EXISTING CABLE TRAY TO REMAIN. PROTECT DURING CONSTRUCTION

BUILDING AND APPURTENANCES TO REMAIN. PROTECT DURING CONSTRUCTION

SNET LEASE PARCEL AREA = 22,500 SQ. FT.

LAND OF ALBERT J. & HELEN M. RUOPS, TRUSTEES

SITE LOCATION

LATITUDE -- 41°-52'-23"  
LONGITUDE -- 72°-20'-19"  
NAD 1927

BM - 4  
P4, N42 1' Up  
12" Dsk  
ELEV. = 690.60

Lease Line

703.5 x

N 0°20'13" E  
158.00'

Wooded

790.7 x

700

LAND OF ALBERT J. & HELEN M. RUOPS, TRUSTEES

EXISTING TRANSFORMER TO REMAIN. PROTECT DURING CONSTRUCTION

(1) 4" PVC CONDUIT FOR PROPOSED UNDERGROUND ELECTRIC SERVICE SEE DRAWING NO 3 FOR TRENCHING DETAILS

4'-0" X 4'-0" CONCRETE PAD AT DOORWAY - SEE DETAIL ON DRAWING 4

APPROXIMATE CABLE TRAY LOCATION

SEDIMENTATION BARRIER (TYP)

BELL ATLANTIC NYNEX MOBILE EQUIPMENT BUILDING (11'-8" X 30'-0") - TOP OF FOUNDATION ELEVATION = 695.67 STATE OF CONNECTICUT

GRAVEL COMPOUND TREATMENT (SHADED AREA) SEE GENERAL NOTE 14 ON DRAWING NO. 3

(1) 4" PVC CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE - FROM PROPOSED EQUIPMENT BUILDING TO EXISTING SPLICE BOX (CONTRACTOR TO LOCATE) SEE DRAWING NO. 3 FOR TRENCHING DETAILS

CONNECTICUT LIGHT & POWER COMPANY EASEMENT

UTILITY SERVICE LINES ARE SHOWN SCHEMATICALLY - ACTUAL LOCATION TO BE DETERMINED BY RESPECTIVE UTILITY COMPANIES AND FIELD LOCATED - CONTRACTOR TO SUPPORT AND PROTECT

ACCESS EASEMENT TO RUOPS ROAD

BELL ATLANTIC NYNEX MOBILE  
RUOPS ROAD  
TOLLAND, CONNECTICUT

SITE LAYOUT



SCALE: HOR - 1" = 40'  
VERT - N/A

**Greiner, Inc.**  
ROCKY HILL, CONNECTICUT  
F101275.36

REFERENCE  
REPORTS

DWG

DATE

1

JULY 1996