



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm

September 26, 2002

Peter W. van Wilgen
Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-007-014-060-167-020917** - Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Berlin, Branford, Guilford, and Woodbridge, Connecticut.

Dear Mr. van Wilgen:

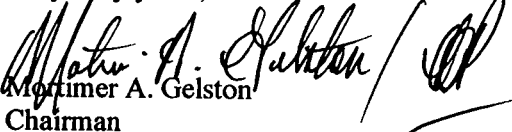
At a public meeting held on September 25, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions: 1) at the Berlin site, the foundation, anchor bolts, and the flange at elevation 110' shall be reinforced; 2) at the Branford site, SpectraSite engineering must perform material testing to confirm the steel yield strength of the tower, it must confirm the adequacy of the foundation to support the proposed changes, and the base plate must be modified as per drawing CT-0020-M1; 3) at the Guilford site, SpectraSite engineering must perform material testing to confirm the steel yield strength of the tower, it must confirm the adequacy of the foundation to support the proposed changes, the tower must be reinforced with the Dywidag system from 0' to 120', and a professional engineer must certify the successful completion of these conditions to the Council; and 4) at the Woodbridge site, the flange plate at 110' must be reinforced per drawing CT-0016-M1.

The proposed modifications are to be implemented as specified here and in your notice dated September 17, 2002. 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 sites that would not increase tower heights, extend the boundaries of the tower site, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

This decision is under the exclusive jurisdiction of the Council. Any additional change to these facilities 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 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/DM/laf

c: See attached list.

List Attachment.

- c: Honorable Paul C. Argazzi, Mayor, Town of Berlin
- Brian J. Miller, Town Planner, Town of Berlin
- Honorable Anthony J. DaRos, First Selectman, Town of Branford
- Justine K. Gillen, Zoning Enforcement Officer, Town of Branford
- Diana Ross, Inland Wetland Enforcement Officer, Town of Branford
- Honorable Carl A. Balestracci, Jr., First Selectman, Town of Guilford
- M. William McAvoy, Jr., Zoning Enforcement Officer, Town of Guilford
- Honorable Amey Marrella, First Selectman, Town of Woodbridge
- Samuel Spielvogel, Town Planner, Town of Woodbridge



Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7730
Fax: (860) 513-7190

Peter W. van Wilgen
Senior Manager - Construction

HAND DELIVERED

September 17, 2002

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

RECEIVED
SEP 17 2002
CONNECTICUT
SITING COUNCIL

Re: Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Berlin, Branford, Guilford, and Woodbridge.

Dear Mr. Gelston:

In order to accommodate technological changes, implement E-911 capability and enhance system performance, Southwestern Bell Mobile Systems, LLC ("SNET" or "Cingular Wireless"; formerly SNET Mobility, LLC) plans to modify the antenna configurations at its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of each of the municipalities in which an affected cell site is located.

Attached are summary sheets detailing the planned changes, including power density calculations reflecting the change in the effect of Cingular's operations at each site. Also included is documentation of the structural sufficiency of each tower to accommodate the revised antenna configuration.

Please note that each of the structures in this Notice will require some strengthening to accommodate the new Cingular equipment array. It is Cingular's intent to have this reinforcement done prior to installation of equipment on the these towers.

The changes to the facilities do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the

facilities will not be significantly changed or altered. Rather, the planned changes to the facilities fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will be unaffected. At almost all sites, new panel antennas approximately the same size will replace those previously installed. Tower mount amplifiers, approximately 5" x 9" x 13", will be added to the platform on which the panel antennas are mounted to enhance signal reception at the cell site. In addition, the mandated provision of E-911 capability *may* require installation of one LMU ("location measurement unit"), approximately nine inches high, on either the tower, the equipment shelter, or the ice bridge. At this writing, however, it appears that the new panel antennas will serve this purpose as well. One GPS receive-only antenna will be attached to the equipment shelter at each site. None of the modifications will extend the height of the tower.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound.
3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.
4. Radio frequency power density will increase due to use of additional channels broadcasting at higher power. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Cingular Wireless respectfully submits that the proposed changes at the referenced sites constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7730 with questions concerning this matter. Thank you for your consideration.

Sincerely,

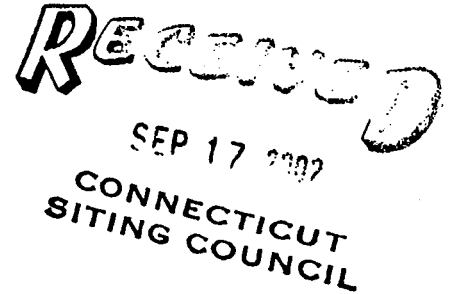
A handwritten signature in cursive script that reads "Peter W. van Wilgen". To the right of the signature is a large, stylized flourish that resembles the letters "SLC".

Peter W. van Wilgen
Senior Manager - Construction

Enclosures

CINGULAR WIRELESS
Antenna Modification

Site Address: 405 Brushy Plain Road, Branford
Exempt modification approved 9/10/92



Tower Owner/Manager: SpectraSite

Antenna configuration Antenna center line – 153 ft

Current and/or approved: 9 Allgon ALP 110-11 panels

Planned: 6 CSS DUO1417-8686-4-0 panels or comparable
6 tower mount amplifiers

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 5.0% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 7.1%, or an additional 2.1% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Cingular	153	880 - 894	19	100	0.0292	0.5867	5.0

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Cingular TDMA	153	880 - 894	16	100	0.0246	0.5867	4.2
Cingular GSM	153	880 - 894	2	296	0.0091	0.5867	1.5
Cingular GSM	153	1930 - 1935	2	427	0.0131	1.0000	1.3
Total							7.1%

Structural information: Please see attached.



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September 17, 2002

Honorable Anthony J. DaRos
First Selectman
Town of Branford
Town Hall
1019 Main Street
P. O. Box 150
Branford, CT 06405-0150

RE: **EM-CING-007-014-060-167-020917** - Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Berlin, Branford, Guilford, and Woodbridge, Connecticut.

Dear Mr. DaRos:

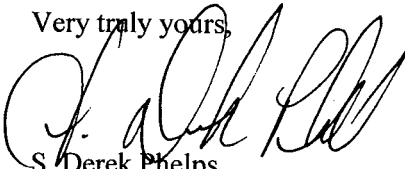
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting tentatively scheduled for September 25, 2002, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,



S. Derek Phelps
Executive Director

SDP/slm

Enclosure: Notice of Intent

c: Justine K. Gillen, Zoning Enforcement Officer, Town of Branford
Diana Ross, Inland Wetland Enforcement Officer, Town of Branford