



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

October 24, 2002

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

RE: **EM-CING-011-102-105-021011** - Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Bloomfield, North Stonington, and Old Lyme, Connecticut.

Dear Mr. van Wilgen:

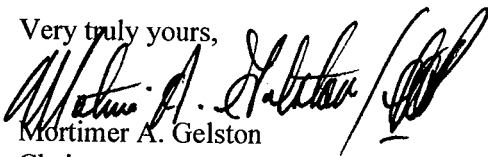
At a public meeting held on October 23, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 11, 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/laf

c: See attached list.

List Attachment.

- c: Honorable Faith McMahon, Mayor, Town of Bloomfield
- Louie Chapman, Jr., Town Manager, Town of Bloomfield
- Thomas B. Hooper, Director of Planning, Town of Bloomfield
- Honorable Nicholas H. Mullane, II, First Selectman, Town of North Stonington
- Liz Rasmussen, Senior Planning & Zoning Official, Town of North Stonington
- Honorable Timothy C. Griswold, First Selectman, Town of Old Lyme
- Harry Smith, Planning Director, Town of Old Lyme



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

October 11, 2002

RECEIVED

OCT 11 2002

**CONNECTICUT
SITING COUNCIL**

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

Re: Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Bloomfield, North Stonington, and Old Lyme.

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.

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).

Mr. Mortimer A. Gelston

September 27, 2002

Page 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,



Peter W. van Wilgen
Senior Manager - Construction

Enclosures

**CINGULAR WIRELESS
Antenna Modification**

Wintechog Hill Road, North Stonington
Docket 91

Tower Owner/Manager: American Tower Corp.

Antenna configuration Antenna center line – 172 ft

Current and/or approved: 9 Allgon 7120.16 panels

Planned: 9 CSS DUO1417-8686-4-0 panels or comparable
6 tower mount amplifiers
3 diplexers

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 3.9% 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 5.6%, or an additional 1.7 % 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	172	880 - 894	19	100	0.0231	0.5867	3.9

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	172	880 - 894	16	100	0.0194	0.5867	3.3
Cingular GSM	172	880 - 894	2	296	0.0072	0.5867	1.2
Cingular GSM	172	1930 - 1935	2	427	0.0104	1.0000	1.0
Total							5.6%

Structural information: Please see attached.

*REF
COSS@AT&T
→ F. Jones
& 2/2002*



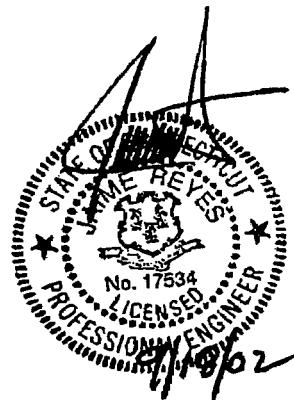
AMERICAN TOWER

Structural Analysis Report

Structure : Existing 250 ft. FWT Self Supporting Tower
ATC Site Name : North Stonington, CT, #2027
ATC Site Number : 06260
Proposed Carrier : Cingular (SNET)
Carrier Site Name : N/A
Carrier Site Number : N/A
County : New London
Project Number : 16100
Eng. Number : 73114962
Date : September 18, 2002

ATC ENGINEERING SERVICES™

11312 South Pipeline Road
 Euless, Texas 76040
 Phone: (817) 355-4100
 Fax: (817) 858-0398



Eng. Number 73114962

September 18, 2002

Page 1

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the existing 250 ft. FWT Self Supporting tower located at North Stonington, New London County, CT. The tower was originally designed and manufactured by FWT (Drawing #S99-0350-S dated September 13, 1999).

Analysis

The existing tower was analyzed using Semaan Engineering Solutions, Inc., Software. The analysis assumes that the tower is in good, undamaged, and non-corroded condition. A 5% overstress is allowed in the existing structural members to account for program variances.

Basic wind speed: 85.0 mph
 Radial Ice: 0.50" w/ reduced wind
 Code: EIA/TIA-222-F

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
250.0	2	DB806	(2) Stand off Mount (assumed)	(4) 1 5/8"	State
245.0	9	DB980H90E	(3) Sector Mount	(9) 1 5/8"	Sprint
225.0	4	RR90-17-02DP	(3) Sector Mount	(8) 1 5/8"	Voicestream
210.0	12	Andrew SMR08-09011-0D	(3) Sector Mount	(12) 1 5/8"	Nextel
190.0	1	DB806	Stand off Mount	(1) 7/8"	Weblink
185.0	1	DB806	Stand off Mount	(1) 7/8"	Mobilecom
184.0	1	8' Whip	Stand off Mount	(1) 7/8"	Skytel
172.0	9	Allgon 7120.16	(3) Sector Mount	(9) 1 5/8"	SNET
160.0	1	Scala Receiver Reflector (Dim. assumed)	Stand off Mount	(1) 1/2"	AAA
155.0	1	DB589	Stand off Mount	(1) 7/8"	Pagenet
150.0	1	3-Bay FM Antenna (Dim. assumed)	Leg mounted at 155', 145', 138' elevation	(1) 1 5/8"	AAA

Eng. Number 73114962

September 18, 2002

Page 2

150.0	1	8' Whip	Stand off Mount	(1) 7/8"	Skytel
140.0	6	Allgon 7250.3	MTS Sector Mount	(12) 7/8"	AT&T Wireless
130.0	1	6' Panel	Leg Mounted	(1) 1 1/4"	Cingular
121.0	1	Antel 8' Whip	Stand off Mount	(1) 7/8"	Weblink
99.0	1	PD1151	Stand off Mount	(1) 7/8"	Mobilecom
84.0	1	4' HP Dish	Dish Mounted	(1) 1 5/8"	State
80.0	1	DB230	Dish Mounted	(1) 1 5/8"	AT&T Wireless
80.0	1	PAG-65, 6' Grid Dish	Leg Mounted	(1) 1/2"	Verizon/Airtouch
70.0	1	DB222	Leg Mounted	(1) 7/8"	Verizon/Airtouch

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
172.0	10	CSS DU01417-8686-4-0	Existing Sector Mount	(10) 1 1/4"	Cingular (SNET)
172.0	6	ADC 850/1900 Cleargain TTAs (Dim. assumed)		-	
172.0	3	ADC 850/1900 Diplexer TTAs (Dim. assumed)		-	

The proposed TX lines are considered distributed on the tower face that has minimum number of TX lines.

Results

The existing 250 ft. FWT Self Supporting tower with the existing and the proposed antennas is structurally acceptable per EIA/TIA-222-F standards.

The maximum structure usage is: 61.0% (Legs)

Leg Forces	Original Design Reactions	Current Analysis Reactions	% Of Design
Uplift (Kips)	556.7	460.77	82.76
Axial (Kips)	673.9	542.68	80.52
Shear (Kips)	63.2	50.24	79.49

The structure base reactions resulting from this analysis do not exceed the ones shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.



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

October 11, 2002

Hon. Nicholas H. Mullane II
1st Selectman, Town of North Stonington
Town Hall, 40 Main St.,
North Stonington, CT 06359

Re: Telecommunications facility – Wintechog Hill Road

Dear Mr. Mullane:

In order to meet the requirements for improved E-911 capability and to implement a more advanced telecommunications system, Southwestern Bell Mobile Systems, LLC, a/k/a Cingular Wireless ("SBMS" or "Cingular"; formerly SNET Mobility, LLC) will be changing its antenna configuration at certain cell sites. Cingular will install panel antennas, small amplifiers and a small locator unit on the tower. As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The accompanying letter fully describes Cingular's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7730 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter W. van Wilgen", with a long, sweeping underline.

Peter W. van Wilgen
Senior Manager – Construction

Enclosure

CINGULAR WIRELESS
Antenna Modification

Boggy Hole Road, Old Lyme
Docket 209 approved 6/25/02
D&M Plan approved 7/11/02

Tower Owner/Manager: Wireless Solutions Inc.

Cingular Antenna Configuration Antenna center line – 152 ft

Tower Design Specifications: 18 Swedcom ALP 9212 panels

Approved in Docket 209 / D&M Plan: 12 Allgon 7120.16 panels

Proposed: 9 CSS DUO1417-8686-4-0 panels or comparable
6 tower mount amplifiers

Introduction:

Cingular submits this proposed change of antennas as an exempt modification to clarify (1) the tower equipment that Cingular will install at the Old Lyme facility concurrent with its GSM buildout, and (2) radio frequency emission data. During Docket 209 proceedings, Wireless Solutions presented a *hypothetical* structural analysis dated 6/21/02 showing Cingular equipment to be 18 ALP 9212 panels at 152 feet AGL, while Cingular interrogatory responses stated that it would install 12 Allgon 7120.16 antennas. The Council approved Docket 209 on the basis of 12 Allgons, this version being the most up-to-date Cingular design at the time of the D&M Plan approval.

As the GSM project has evolved, however, Cingular engineers have concluded that 9 CSS antennas with 6 tower mount amplifiers will be the most appropriate equipment configuration. This summary will demonstrate that both power density and tower loading *decrease* from design and/or approved values under the completed Cingular plan for the site. The modifications described herein, therefore, qualify as an exempt modification.

Radio Frequency Emissions:

On February 26, 2002, Cingular submitted power density calculations reflecting a GSM configuration that included 19 TDMA channels. As depicted in the first table

below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations was calculated to be approximately 7.8% of the regulatory limit.

Cingular Power Density per 2/2002 Submission

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	19	100	0.0292	0.5867	5.0
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							7.8%

Cingular's current plan is to construct the Old Lyme site as a GSM-only installation. Consequently, there will be only 4 GSM channels in use at the site. Antenna centerlines will be at 152 feet AGL. Worst-case power density at ground level beside the tower, therefore, is *reduced* to 2.9% of the regulatory limit:

Cingular Power Density per Current Plans

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 GSM	152	880 - 894	2	296	0.0092	0.5867	1.6
Cingular GSM	152	1930 - 1935	2	427	0.0133	1.0000	1.3
Total							2.9%

In terms of radio frequency emissions, therefore, the present change qualifies as an exempt modification.

Structural information:

The attached load comparison table demonstrates that tower loading after the proposed equipment modifications remains well within the tower design capability allotted to Cingular equipment. The Cingular proposal, therefore, qualifies as an exempt modification from the structural perspective as well.

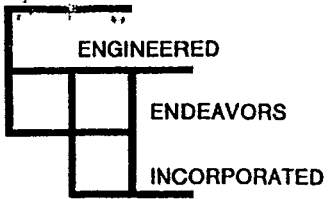
Equipment Weight: Compared to tower design specifications, the 9 CSS antennas and 6 TMA's represent an overall reduction of 120 pounds. Although this is an increase of 75 pounds over the 12 Allgon antenna configuration approved by the Council, the newer

loading remains well within the design capacity.

Wind Loading: The wind loading area for the planned CSS antennas is approximately the same per antenna as that of the Allgon antennas they would replace. Because only 9 CSS antennas would be used in contrast to the 12 Allgons approved, however, the CSS antennas result in less overall wind loading than the Allgon antennas. (The TMA's result in no additional wind loading due to their placement behind the larger CSS antennas.) Both 9 CSS and 12 Allgon antennas cause considerably less wind-loading than 18 ALP antennas for which the tower is designed.

It should also be noted that no additional carriers and no other tower load changes have come before the Council. Consequently, the 6/21/02 structural design is current prior to any changes by Cingular.

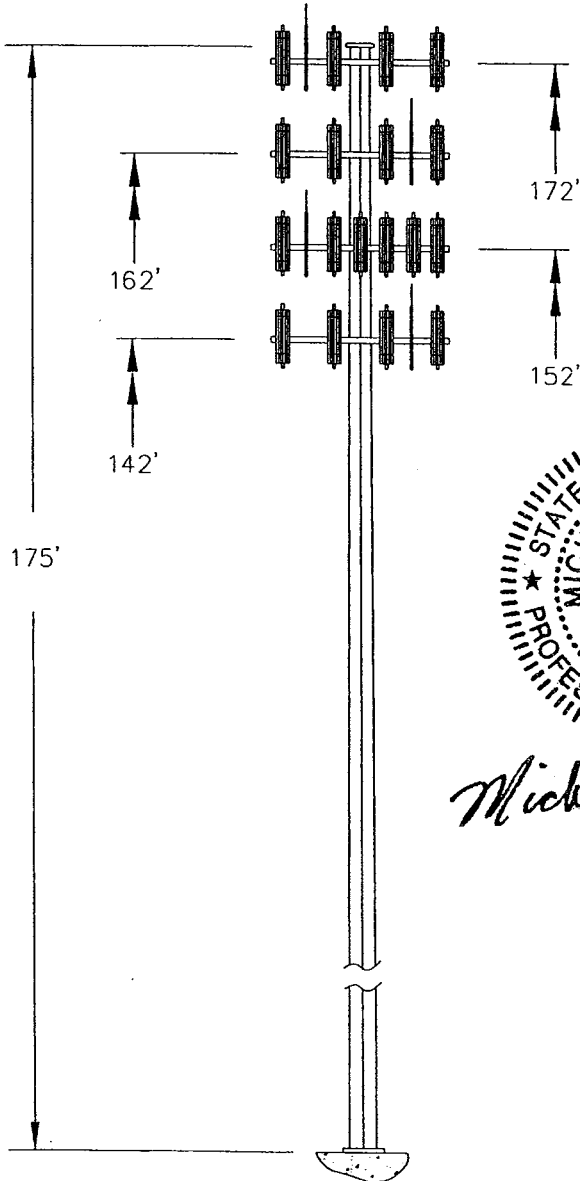
Cingular, therefore, respectfully submits that the existing tower design is more than adequate to support the proposed Cingular load, and that a new structural analysis is not necessary to demonstrate the tower's ability to support the 9 CSS antennas and 6 TMA's. We request approval of Cingular's current proposal for the Old Lyme facility as an exempt modification on the basis of information submitted herein.



Customer WIRELESS SOLUTIONS/CT By J.C.B. 6/21/02
 Structure 175' GROWABLE MONOPOLE Checked _____ Date 10886
 Job/Quote No. _____

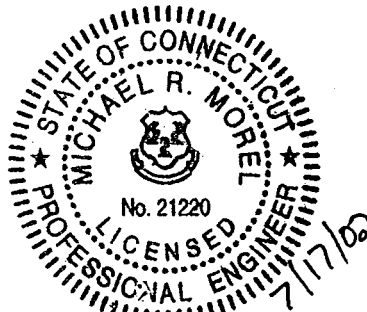
SITE LOCATION: NEW LONDON COUNTY, CT
 SITE NAME: OLD LYME

INITIAL CONFIGURATION



ANTENNA LOADING:

- (12) ALP 9212 ANTENNAS + (1) OMNI ANTENNA
12' LOW PROFILE PLATFORM @ 172'
- (12) ALP 9212 ANTENNAS + (1) OMNI ANTENNA
12' LOW PROFILE PLATFORM @ 162'
- (18) ALP 9212 ANTENNAS + (1) OMNI ANTENNA
12' LOW PROFILE PLATFORM @ 152'
- (12) ALP 9212 ANTENNAS + (1) OMNI ANTENNA
12' LOW PROFILE PLATFORM @ 142'



Michael R. Morel

DESIGN NOTES:

- DESIGNED IN ACCORDANCE WITH TIA/EIA 222-F
- 85 MPH BASIC WIND SPEED
- 1/2" RADIAL ICE
- CASE I - 85 MPH BASIC WIND SPEED
- CASE II - 75% OF 85 MPH WIND LOAD WITH 1/2" RADIAL ICE

NOTE: IT IS THE RESPONSIBILITY OF THE PURCHASER TO VERIFY THAT THE WIND LOADS AND DESIGN CRITERIA SPECIFIED MEET THE REQUIREMENTS OF ALL LOCAL BUILDING CODES



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

October 11, 2002

Honorable Timothy C. Griswold
First Selectman
52 Lyme Street
Old Lyme, Connecticut 06371

Re: Telecommunications facility – Boggy Hole Road

Dear Mr. Griswold:

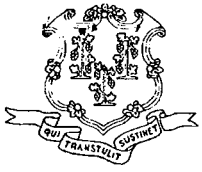
In order to meet the requirements for improved E-911 capability and to implement a more advanced telecommunications system, Southwestern Bell Mobile Systems, LLC, a/k/a Cingular Wireless (“SBMS” or “Cingular”; formerly SNET Mobility, LLC) will be changing its antenna configuration at certain cell sites. Cingular will install panel antennas, small amplifiers and a small locator unit on the tower. As required by Regulations of Connecticut State Agencies (“R.C.S.A.”) Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular’s proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The accompanying letter fully describes Cingular’s proposal. However, if you have any questions or require any further information on our plans or the Siting Council’s procedures, please call me at (860) 513-7730 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Peter W. van Wilgen
Senior Manager – Construction

Enclosure



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

October 15, 2002

Honorable Timothy C. Griswold
First Selectman
Town of Old Lyme
52 Lyme Street
Old Lyme, CT 06371

RE: **EM-CING-011-102-105-021011** - Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Bloomfield, North Stonington, and Old Lyme, Connecticut.

Dear Mr. Griswold:

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

The Council will consider this item at the next meeting tentatively scheduled for October 23, 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/laf

Enclosure: Notice of Intent

c: Harry Smith, Planning Director, Town of Old Lyme

**CINGULAR WIRELESS
Antenna Modification**

8 Hoskins Road, Bloomfield
Docket 158 and Exempt Mod. approved 5-6-93

Tower Owner/Manager: CL&P (microwave tower)

Antenna configuration Antenna center line – 161 ft

Current and/or approved: 9 Swedcom ALP 11011 panel antennas

Planned: 9 CSS DUO1417-8686-4-0 panels or comparable
6 tower mount amplifiers
3 diplexers

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 4.5% 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 6.4%, or an additional 1.9 % 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	161	880 - 894	19	100	0.0264	0.5867	4.5

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	161	880 - 894	16	100	0.0222	0.5867	3.8
Cingular GSM	161	880 - 894	2	296	0.0082	0.5867	1.4
Cingular GSM	161	1930 - 1935	2	427	0.0118	1.0000	1.2
Total							6.4%

Structural information: Please see attached.

**CINGULAR WIRELESS
Antenna Modification**

8 Hoskins Road, Bloomfield
Docket 158 and Exempt Mod. approved 5-6-93

Tower Owner/Manager: CL&P (microwave tower)

Antenna configuration Antenna center line – 161 ft

Current and/or approved: 9 Swedcom ALP 11011 panel antennas

Planned: 9 CSS DUO1417-8686-4-0 panels or comparable
6 tower mount amplifiers
3 diplexers

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 4.5% 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 6.4%, or an additional 1.9 % 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	161	880 - 894	19	100	0.0264	0.5867	4.5

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	161	880 - 894	16	100	0.0222	0.5867	3.8
Cingular GSM	161	880 - 894	2	296	0.0082	0.5867	1.4
Cingular GSM	161	1930 - 1935	2	427	0.0118	1.0000	1.2
Total							6.4%

Structural information: Please see attached.



**Northeast
Utilities System**

107 Selden Street, Berlin, CT 06037

Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270
(860) 665-5000

Mr. Tim Burks
Cingular Wireless
500 Enterprise Drive
Suite 3A
Rocky Hill, CT 06067-3900
Re: Cingular Site #1001 - Bloomfield - Hoskins Road – Microwave Tower

October 5, 2002

Cingular is proposing to replace their existing nine (9) Swedcom ALP 11011-N panel antennas with nine (9) CSS DUO14178686 panel antennas. The existing coax cables will not be changed. In addition to the replacement antennas, six (6) Tower Mount Amplifiers and three (3) Dual Band Combiners will be added. The TMA's and DBC's will be placed directly behind the replacement antennas, thereby being shielded from the wind. The model numbers, sizes, and weights of the existing and proposed replacements/additions are as follows:

Existing at El. 161'-0"

(9) Swedcom ALP 11011-N
51" x 8.3" x 11.4"
24.5 lbs each

Replacements/Additions at El. 161'-0"

(9) CSS DUO14178686
48" x 14" x 9"
20.3 lbs each
(6) ADC DD1900
11.7" x 11.3" x 2.8"
15.4 lbs each
(3) DBC-750
7.85" x 6.63" x 1.25"
4.88 lbs

Since the replacement antennas are smaller in wind area than the existing ones, and the TMA's and DBC's will be shielded from the wind, it is not necessary to perform a structural analysis on the tower. The added weight of the new equipment is approximately 100 lbs, with ice added. The weight of all the other equipment on the tower is approximately 16,000 lbs, with ice added. Therefore, the slight increase in weight of the Cingular equipment is not considered significant. The tower is structurally adequate to support the replacement antennas, TMA's, and DBC's.

Please contact Dolly Wrona, Telecommunications Engineering, to coordinate the construction schedule and installation of the equipment. She can be reached at (860) 665-3822.

cc: M. J. Green
W. P. Hamel
D. C. Wrona



Sincerely,

Richard A. Drasdis, P.E.
Principal Engineer
Civil Engineering



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

October 11, 2002

Hon. Louie Chapman, Jr.
Town Manager, Town of Bloomfield
Town Hall, 800 Bloomfield Avenue
Bloomfield, Connecticut 06002

Re: Telecommunications facility – 8 Hoskins Road

Dear Mr. Chapman:

In order to meet the requirements for improved E-911 capability and to implement a more advanced telecommunications system, Southwestern Bell Mobile Systems, LLC, a/k/a Cingular Wireless ("SBMS" or "Cingular"; formerly SNET Mobility, LLC) will be changing its antenna configuration at certain cell sites. Cingular will install panel antennas, small amplifiers and a small locator unit on the tower. As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The accompanying letter fully describes Cingular's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7730 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter W. van Wilgen", with a long horizontal flourish extending to the right.

Peter W. van Wilgen
Senior Manager – Construction

Enclosure