



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

November 22, 2002

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

RE: **EM-CING-096-020730 (a/k/a EM-CING-068-096-098-020730)** - Southwestern Bell Mobile Systems LLC d/b/a Cingular Wireless notice of intent to modify an existing telecommunications facility located at 4 Elkington Farm Road, New Milford, Connecticut.

Dear Mr. van Wilgen:

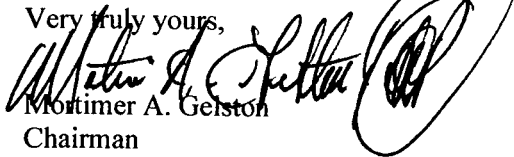
At a public meeting held on November 21, 2002, the Connecticut Siting Council (Council) acknowledged your revision to the previously submitted regulatory exemption to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed revisions to the original modification are to be implemented as specified here and in your notice dated November 13, 2002. The revision to the original modification is 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 site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies 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 General Statutes § 22a-162. 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 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. Geiston
Chairman

MAG/laf

c: Honorable Robert B. Gambino, Mayor, Town of New Milford
David N. Hubbard, Planning and Econ. Director, Town of New Milford



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November 15, 2002

Honorable Robert B. Gambino
Mayor
Town of New Milford
Town Hall
10 Main Street
New Milford, CT 06776

RE: **EM-CING-096-020730** - Southwestern Bell Mobile Systems LLC d/b/a Cingular Wireless notice of intent to modify existing telecommunications facilities located at 4 Elkington Farm Road, New Milford, Connecticut.

Dear Mayor Gambino:

The Connecticut Siting Council (Council) received this follow-up structural analysis, pursuant to the conditional approvals in connection with Cingular's GSM upgrades.

The Council will consider this item at the next meeting tentatively scheduled for November 21, 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: David N. Hubbard, Planning & Econ. Director, Town of New Milford

SOUTHWESTERN BELL MOBILE
SYSTEMS, LLC d/b/a CINGULAR
WIRELESS

Follow up Structural Analysis
for 4 Elkington Farm Rd.,
New Milford, CT

***See Complete file under
East Hampton***

EM-CING-042-083-090-118-021113

EM-CING-042-083-090-118-021113



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

November 13, 2002

RECEIVED

NOV 13 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 East Hampton, Middletown, New Canaan, and Ridgefield; with structural updates for North Haven (EM-CING-101-020925); Wolcott (EM-CING-166-020730); New Milford (EM-CING-096-020730); Middlebury (EM-CING-081-020930); and Prospect (EM-CING-115-020828).

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

Mr. Mortimer A. Gelston
November 13, 2002
Page 2

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,

Handwritten signature of Peter W. van Wilgen in cursive, followed by a slash and the initials 'SWC'.

Peter W. van Wilgen
Senior Manager - Construction

Enclosures



Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

Follow-up Structural Analyses Per Conditional Approvals

During the preceding months, the Council has given conditional approval to a number of exempt modification notices in connection with Cingular's GSM upgrade project. The Council has required certification of specified tower tests and/or repairs having been made prior to installation of Cingular's new equipment in some instances. This letter addresses the resolution of several of these conditions.

- Cingular is electing in some cases to reduce proposed tower loading to the extent that existing towers will support the load without strengthening. Confirmations in the form of new tower analyses are attached hereto. The reduced loads will have no effect, however, on power densities or other parameters.
- In other cases, the tower owner/manager has determined that Cingular's relatively minor modifications will not by themselves cause a tower to be overloaded. Confirmations in the form of new tower analyses are attached hereto. These are instances where multiple carriers have future co-location plans for the same tower and all were included in the original analysis. Where appropriate, the tower owner/manager has eliminated proposed modifications by other carriers from the analyses where: 1) the other carriers' proposed modifications are sufficient, by themselves, to cause overloading; 2) the other carriers are not as far advanced in their projects as Cingular and have no critical need to proceed immediately; and 3) the owner/manager has committed to upgrading the tower for the other carriers.
- Other miscellaneous requirements of the Council that have been satisfied are also listed below.

Attached are passing structural reports for the following towers:

1. 15 Dwight Street, North Haven - EM-CING-101-020925

Cingular's plans have been modified so that only six CSS antennas will be installed in the first of two phases. All of the existing antennas will be removed at this time. The tower

passes structural analysis with only 6 CSS antennas, and Cingular will proceed with their installation. Structural re-enforcement is still required for the additional 4 antennas, and Cingular will certify completion of repairs prior to installation of these antennas.

2. 347 East Street, Wolcott - EM-CING-166-020730

Tower passes structural analysis without modification after elimination of AT&T antennas included in original analysis. Per Crown Atlantic, Cingular's modifications can go forward without tower repairs as they are relatively insignificant in terms of tower loading and do not in themselves cause overstressed conditions. AT&T, on the other hand, has not decided whether to proceed with this co-location project and has not sought approvals. Tower modification would be necessary only if AT&T decides to proceed at some later date.

3. 4 Elkington Farm Road, New Milford - EM-CING-096-020730

Tower passes structural analysis without strengthening after elimination of Nextel and Verizon antennas included in original analysis. Per Spectrasite, Cingular's modifications can go forward without tower repairs as they are relatively insignificant in terms of tower loading and do not in themselves cause overstressed conditions. The tower will be strengthened by Spectrasite prior to installation of the Nextel and Verizon equipment.

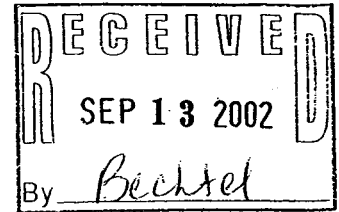
4. 2 Larkin Drive, Middlebury - EM-CING-081-020930 (note: Not 083)

Tower passes structural analysis without strengthening after elimination of unspecified "future" antennas included in original analysis (i.e., 115 ft and 143 ft).

5. Prospect, CT (Bradshaw) - EM-CING-115-020828

Per instructions of the Council, the guy wires have been examined and were found to be in good condition.

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



SpectraSite #2155

RE: CT-0059 [New Milford]
Structural Evaluation of 150' ITT Meyer Monopole
4 Elkington Farm Road
New Milford, CT 06776
Litchfield County

Date: September 6, 2002

SpectraSite Engineering has performed a Level 1 evaluation for the above-noted tower. The evaluation was based on the requirements of the TIA/EIA-222-F Standard for a basic wind speed of 80 mph without ice and 75% of the wind load with 1/2" radial ice.

Table 1. Existing and Proposed Antennas

Table with 5 columns: ELEVATION (Ft-AGL), ANTENNA, CARRIER, COAX*, NOTES. Rows include antenna details like Yagi, Omni, Swedcom, CSS DUO, ADC TMA, Decibel DB, EMS RS90, Allgon, and Nokia CS72187-01.

*Coax to be distributed evenly among faces.

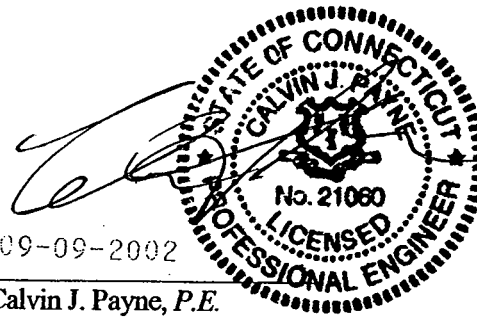
The subject tower and foundation are adequate to support the above stated loads and in conformance with the requirements of TIA/EIA-222-F Standard.

The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

Please contact the undersigned should any questions arise.

Signature of Jason R. Manners

Jason R. Manners, E.I.
Engineering Associate
919/466-4833



Calvin J. Payne, P.E.
Chief Engineer

1 Level 1 evaluation means:

- the applied (existing and proposed) loads (Table 1) on the tower are compared to the original design loads,
the design wind criteria is compared to the recent code requirements.



SNET Mobility, 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

July 30, 2002

RECEIVED
JUL 30 2002
CONNECTICUT
SITING COUNCIL

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

Re: SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in New Milford, Kent and Norfolk

Dear Mr. Gelston:

In order to accommodate technological changes, implement E-911 capability and enhance system performance, SNET Mobility, LLC ("SNET" or "Cingular Wireless") 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).

1000

Mr. Mortimer A. Gelston

July 30, 2002

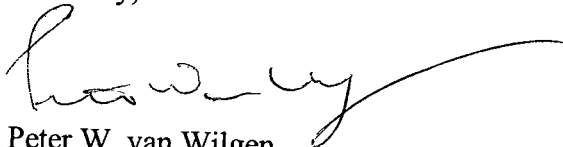
Page 2

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 will require installation of one LMU ("location measurement unit"), approximately nine inches high, on either the tower, the equipment shelter or the ice bridge. 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**

Site Address: 4 Elkington Farm Road, New Milford
Docket No. 138

Tower Owner/Manager: Springwich Cellular Limited Partnership;
managed by SpectraSite Communications, Inc.

Antenna configuration Antenna center line – 152'

Current and/or approved: 9 Swedcom SC9012 or comparable

Planned: 9 DUO4-8670 or comparable
9 tower mount amplifiers
1 LMU (at 37.5')

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.

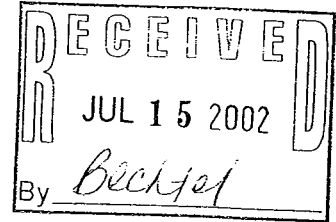
Cingular Current

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
SNET	152	880 - 894	19	100	0.0296	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
SNET TDMA	152	880 - 894	16	100	0.0249	0.5867	4.2
SNET GSM	152	880 - 894	2	296	0.0092	0.5867	1.6
SNET GSM	152	1930 - 1935	2	427	0.0133	1.0000	1.3
Total							7.1%

Structural information: Please see attached. The reinforcement referenced therein was designed and is being undertaken by SpectraSite.



RE: CT-0059 [New Milford]
 Structural Evaluation of 150' ITT Meyer Monopole
 4 Elkington Farm Road
 New Milford, CT 06776
 Litchfield County

Date: June 14, 2002

SpectraSite Engineering has performed a *Level 1 evaluation*¹ for the above-noted tower. The evaluation was based on the requirements of TIA/EIA-222-F Standards for a basic wind speed of **85 mph** without ice and 75% of the wind load with 1/2" radial ice.

Table 1. Existing and Proposed Antennas

Elevation (Ft. A.G.L.)	Antenna	Carrier	Transmission Lines*	Notes
158 157 152	(1) Yagi (1) 6' Omni (9) Swedcom SC 9012 DIN on Low Profile Platform Mount	Cingular	(9) 1-1/4"	Remove Existing
158 157 152	(1) Yagi (1) 6' Omni (9) CSS DUC4-8670 (9) CSS ADC Amplifiers on Low Profile Platform Mount	Cingular	(9) 1-1/4"	Proposed Replacement
141	(6) Decibel DB978H90EMS on Low Profile Platform Mount	Sprint	(6) 1-5/8"	Existing
133	(12) Decibel DB844H80 on Low Profile Platform Mount	Verizon	(12) 1-5/8"	Proposed
120	(3) Allgon 7250.02 (3) EMS RS90-05-00XX-2 on Low Profile Platform Mount	AT&T	(9) 1-5/8"	Proposed
110	(12) Decibel DB844H90E-XY on Low Profile Platform Mount	Nextel	(12) 1-5/8"	Proposed
37.5	(1) Nokia CS72187.01 on Standoff Mount	Cingular	(1) 1/2"	Proposed

* Coax installed inside monopole.

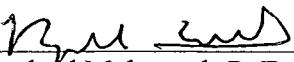
¹ Level 1 evaluation means:

- the applied (existing and proposed) loads (Table 1) on the tower are compared to the original design loads,
- the design wind criteria is compared to the recent code requirements.

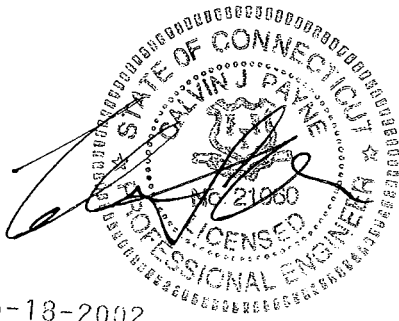
The subject tower and foundation are *adequate* to support the above stated loads and are *in conformance* with the requirements of TIA/EIA-222-F Standard *after reinforcing* per SpectraSite Structural Analysis Report CT-0059, dated 5/20/02, Drawing #M1.

The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

Please do not hesitate to give me a call if you have any questions or concerns.



Raphael Mohamed, P. Eng.
Project Engineer


06-18-2002

Calvin J. Payne, P.E.
Chief Engineer

**CINGULAR WIRELESS
Antenna Modification**

Site Address: 136 Bulls Bridge Road, Kent
Docket No. 162

Tower Owner/Manager: Springwich Cellular Limited Partnership;
managed by SpectraSite Communications, Inc.

Antenna configuration Antenna center line – see below
Current and/or approved: 3 DB ASPD-952 (182')
Planned: 3 DB ASPD-952 (182')
 9 CSS DUO4-8670 or comparable (160')
 6 tower mount amplifiers (160')
 1 LMU (at 46')

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 3.5% of the standard adopted by the FCC. As depicted in the second table below, the additional radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 6.4%, or a total radio frequency electromagnetic radiation power density from Cingular's operations of 9.9% of the standard.

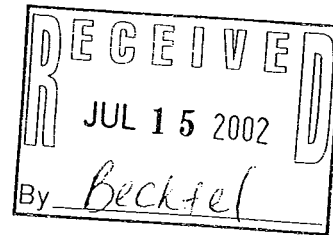
Cingular Current

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
SNET	182	880 - 894	19	100	0.0206	0.5867	3.5

Cingular Planned Additional

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
SNET TDMA	160	880 - 894	16	100	0.0225	0.5867	3.8
SNET GSM	160	880 - 894	2	296	0.0083	0.5867	1.4
SNET GSM	160	1930 - 1935	2	427	0.0120	1.0000	1.2
Total							6.4%

Structural information: Please see attached.



Structural Analysis of 180' Engineered Endeavors Monopole
Kent, 136 Bulls Bridge Road, Kent, CT 06785

CT-0014
July 2, 2002

1.0 Introduction

A structural analysis was performed on the above noted tower for the addition of proposed antennas as listed below. The analysis consisted of applying the forces caused by the existing and proposed loads, and determining the resulting stresses in the structure and its foundation.

The following criteria were used in the analysis:

ANSI/TIA/EIA-222-F, **80 mph** wind [Litchfield County], considering two loading cases:

- Load Case 1. 100% wind pressure, without radial ice
- Load Case 2. 75% wind pressure, with 1/2" radial ice

Tower information, including geometry and member sizes was obtained from EEI Job 7846, dated 09/14/00. Foundation and geotechnical information was obtained from URS Greiner Woodward Clyde Job F301804.45/F04, dated 07/24/00 and Dr. Clarence Welti Engineering Study, dated 08/30/00, respectively.

Antenna and Transmission Line Loading

Table 1. Existing and Proposed Antennas

ELEVATION (Ft-AGL)	ANTENNA	CARRIER	COAX*	NOTES
182	(3) Decibel ASPD-952 on Low Profile Platform Mount	SNET	(3) 1-1/4"	Existing
171	(2) Allgon 7262.01 (3) Antel LPD 7907/4 (3) Antel RWA 80012 on Low Profile Platform Mount	AT&T	(4) 1-5/8" (6) 1-5/8"	Proposed Existing
160	(9) CSS DUO4-8670 (6) CSS ADC Amplifiers on Low Profile Platform Mount	Cingular	(9) 7/8"	Proposed
143	(2) Decibel DB809DK-XT on 6' Sidearm Mounts	State Police	(4) 1-5/8" (2) 3/8"	Existing
125	(6) Decibel DB980H90T3EMS on Low Profile Platform Mount	Sprint	(6) 1-5/8"	Existing
119	(1) 2' Standard Dish with Radome on Pipe Mount	WMNR	(1) 7/8"	Existing
80	(2) 3' Empty Sidearm Mounts	State Police	-	Existing
46	(1) Nokia CS72187.01 on Standoff Mount	Cingular	(1) 1/2"	Proposed

* Coax installed inside the monopole.

3.0 Results

Monopole Stress Levels

Elevation (Ft. A.G.L.)	Combined Stress Index*
0 to 42.8	0.60
42.8 to 87.4	0.69
87.4 to 133.0	0.72
133.0 to 180.0	0.71

*Maximum Stress Ratio: 1.00=Full Allowable.

Foundation Stress Levels

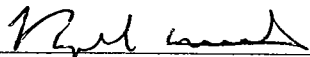
Base Reactions	Current Analysis	Result*
Moment (kip.ft)	2774.4	Satisfactory
Compression (kips)	41.8	Satisfactory
Shear (kips)	22.6	Satisfactory

*Based on original design reactions

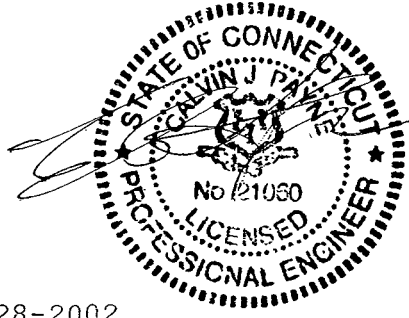
Conclusions and Recommendations

1. The tower and foundation are structurally adequate to accommodate the existing and proposed antenna and transmission line loading used in this analysis.
2. Any future changes in loading must be reviewed by the SpectraSite Engineering Department.

Should any questions arise concerning this report please contact the undersigned.


Raphael Mohamed, P. Eng.
Project Engineer

06-28-2002


Calvin J. Payne, P.E.
Chief Engineer

**CINGULAR WIRELESS
Antenna Modification**

Site Address: 453 Loon Meadow Road, Norfolk
exempt modification 7/31/91

Tower Owner/Manager: Southern New England Telephone Co.;
managed by RCC

Antenna configuration Antenna center line – 142'

Current and/or approved: 9 DB834R-F

Planned: 9 CSS DUO4-8670 or comparable
6 tower mount amplifiers
6 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 5.8% 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 8.2%, or an additional 2.4% 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
SNET	142	880 - 894	19	100	0.0339	0.5867	5.8

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
SNET TDMA	142	880 - 894	16	100	0.0285	0.5867	4.9
SNET GSM	142	880 - 894	2	296	0.0106	0.5867	1.8
SNET GSM	142	1930 - 1935	2	427	0.0152	1.0000	1.5
Total							8.2%

Structural information: Please see attached.



BAYAR ENGINEERING, P.C.
Structural Engineers

P.O. Box 1287, Port Chester, N.Y. 10573-8287
TEL: (914) 681-8749 FAX: (914) 421-0416

Demirtas C. Bayar, P.E.

July 12, 2002

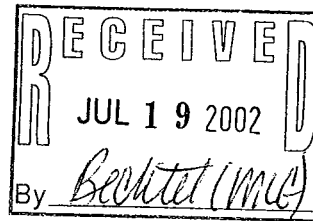
Mr. Douglas J. Roberts
URS
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067-4002

RECEIVED BY

JUL 15 2002

URS

Re: Norfolk, CT tower
Site ID: 1006
URS No. F300002292.34
BE Job No. 0216-D



Dear Mr. Douglas,

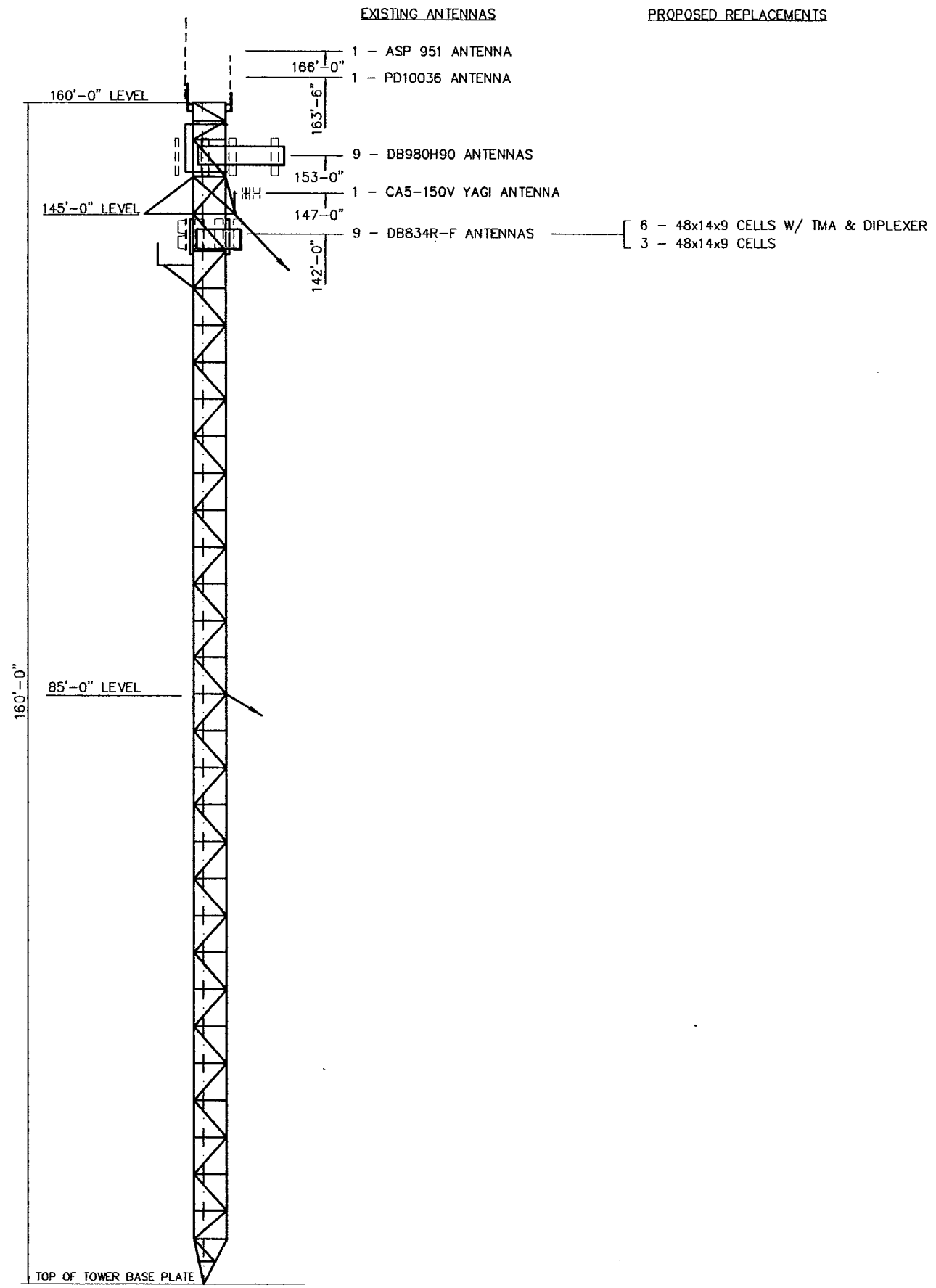
We analyzed the existing 160'-0" guyed tower at Norfolk, CT for a condition of replacing the existing 9 DB834R-F antennas with 9 new cellular antennas that have maximum dimensions of 48"x14"x9". Two new antennas in each sector will receive a TMA and a diplexer.

Our analysis was based on the tower carrying the existing antennas shown in the attached sketch No. 0216-D with the existing DB834 antennas replaced with the new antennas. The stresses in the tower increased to the point where one member will be stressed to its limit but not exceed it.

The tower is adequate to carry the loads of the new proposed antenna configuration.

Yours truly,

Demirtas Bayar, P.E.
President



SNET MOBILITY LLC

EM-CING-068-096-098-020730

*(4 Elkington Farm Rd., New Milford;
136 Bulls Bridge Rd., Kent;
and 453 Loon Meadow Rd., Norfolk)*

See Complete file under Kent



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

August 16, 2002

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

RE: **EM-CING-068-096-098-020730** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located Kent, New Milford, and Norfolk, Connecticut.

Dear Mr. van Wilgen:


At a public meeting held on August 15, 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 condition that the tower in New Milford be reinforced in accordance with the SpectraSite Structural Analysis Report CT-0059, dated May 20, 2002, and that a professional engineer certifies to the Council the successful completion of these reinforcements.

The proposed modifications are to be implemented as specified here and in your notice dated July 30, 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 Dolores R. Schiesel, First Selectman, Town of Kent
- Judith Wick, Zoning Enforcement Officer, Town of Kent
- Honorable Robert B. Gambino, Mayor, Town of New Milford
- David N. Hubbard, Planning and Econ. Director, Town of New Milford
- Honorable Susan M. Dyer, First Selectman, Town of Norfolk
- Planning and Zoning Official, Town of Norfolk



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

July 31, 2002

Honorable Robert B. Gambino
Mayor
Town of New Milford
Town Hall
10 Main Street
New Milford, CT 06776

RE: **EM-CING-068-096-098-020730** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located Kent, New Milford, and Norfolk, Connecticut.

Dear Mayor Gambino:

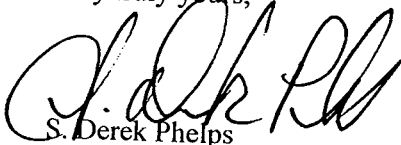
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 15, 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: David N. Hubbard, Planning & Econ. Director, Town of New Milford