

#### CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

June 15, 2007

Steven L. Levine Real Estate Consultant New Cingular Wireless PCS, LLC 500 Enterprise Drive Rocky Hill, CT 06067-3900

RE: EM-CING-007-062-084-131-152-070517 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 1684 Chamberlain Highway, Berlin; 890 Evergreen Avenue, Hamden; 234 Melba Street, Milford; 88-100 Cathy Drive, Southington; and 1 Palmer Road, Waterford, Connecticut.

Dear Mr. Levine:

At a public meeting held on June 7, 2007, 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 May 17, 2007, and additional information sent on May 30, 2007, including the placement of all necessary equipment and shelters within the tower compounds. 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 existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities 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. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to any of 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.

Daniel F. Caruso

Chairman

#### DFC/MP/laf

c: The Honorable Adam P. Salina, Mayor, Town of Berlin Roger L. Kemp, Interim Town Manager, Town of Berlin Hellyn Riggins, Town Planner, Town of Berlin The Honorable Craig B. Henrici, Mayor, Town of Hamden Leslie Creane, Town Planner, Town of Hamden The Honorable James L. Richetelli, Jr., Mayor, City of Milford David Sulkis, City Planner, City of Milford The Honorable John Barry, Chairman of the Town Council, Town of Southington John Weichsel, Town Manager, Town of Southington Town Planner, Town of Southington The Honorable Daniel M. Steward, First Selectman, Town of Waterford Thomas V. Wagner, Planning Director, Town of Waterford Jeffrey W. Barbadora, Crown Atlantic Company, LLC Michael Green, Real Estate Department, Northeast Utilities Service Company Chief Neil Wiseman, Fire Chief, Goshen Fire Department Thomas J. Regan, Esq., Brown Rudnick Berlack Israels, LLP Kenneth C. Baldwin, Esq., Robinson & Cole LLP Christine Farrell, T-Mobile Christopher B. Fisher, Esq., Cuddy & Feder LLP



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Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

May 23, 2007

The Honorable John Barry Chairman Town Council Town of Southington Town Office Building 75 Main Street Southington, CT 06489

RE: EM-CING-007-062-084-131-152-070517 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 1684 Chamberlain Highway, Berlin; 890 Evergreen Avenue, Hamden; 234 Melba Street, Milford; 88-100 Cathy Drive, Southington; and 1 Palmer Road, Waterford, Connecticut.

Dear Mr. Barry:

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 June 7, 2007 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the Council by June 6, 2007.

Thank you for your cooperation and consideration.

Very truly yours,

Executive Director

SDP/ap

Enclosure: Notice of Intent

c: Mary Hughes, Town Planner, Town of Southington John Weichsel, Town Manager, Town of Southington





#### CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

May 23, 2007

The Honorable Daniel M. Steward First Selectman Town of Waterford Town Hall 15 Rope Ferry Road Waterford, CT 06385

RE:

**EM-CING-007-062-084-131-152-070517** - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 1684 Chamberlain Highway, Berlin; 890 Evergreen Avenue, Hamden; 234 Melba Street, Milford; 88-100 Cathy Drive, Southington; and 1 Palmer Road, Waterford, Connecticut.

Dear Mr. Steward:

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 June 7, 2007 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the Council by June 6, 2007.

Thank you for your cooperation and consideration.

Very truly yours

Executive Director

SDP/ap

Enclosure: Notice of Intent

c: Thomas V. Wagner, Planning Director, Town of Waterford





#### CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

May 23, 2007

The Honorable James L. Richetelli, Jr. Mayor
City of Milford
Parsons Complex
70 West River Street
Milford, CT 06460-3364

RE: EM-CING-007-062-084-131-152-070517 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 1684 Chamberlain Highway, Berlin; 890 Evergreen Avenue, Hamden; 234 Melba Street, Milford; 88-100 Cathy Drive, Southington; and 1 Palmer Road, Waterford, Connecticut.

#### Dear Mayor Richetelli:

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 June 7, 2007 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the Council by June 6, 2007.

Thank you for your coeperation and consideration.

S. Derek Phelps Executive Director

SDP/ap

Enclosure: Notice of Intent

c: David Sulkis, City Planner, City of Milford



#### CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

May 23, 2007

The Honorable Craig B. Henrici Mayor Town of Hamden Town Hall 2372 Whitney Avenue Hamden, CT 06518

RE: EM-CING-007-062-084-131-152-070517 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 1684 Chamberlain Highway, Berlin; 890 Evergreen Avenue, Hamden; 234 Melba Street, Milford; 88-100 Cathy Drive, Southington; and 1 Palmer Road, Waterford, Connecticut.

#### Dear Mayor Henrici:

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 June 7, 2007 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the Council by June 6, 2007.

Thank you for your cooperation and consideration.

Executive Director

SDP/ap

Enclosure: Notice of Intent

c: Leslie Creane, Town Planner, Town of Hamden



#### CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

May 23, 2007

The Honorable Adam P. Salina Mayor Town of Berlin 240 Kensington Road Kensington, CT 06037

RE: EM-CING-007-062-084-131-152-070517 - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 1684 Chamberlain Highway, Berlin; 890 Evergreen Avenue, Hamden; 234 Melba Street, Milford; 88-100 Cathy Drive, Southington; and 1 Palmer Road, Waterford, Connecticut.

Dear Mayor Salina:

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 June 7, 2007 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the Council by June 6, 2007.

Thank you for your cooperation and consideration.

Executive Director

SDP/ap

Enclosure: Notice of Intent

c: Hellyn Riggins, Town Planner, Town of Berlin Roger L. Kemp, Interim Town Manager, Town of Berlin







New Cingular Wireless PCS, LLC 500 Enterprise Drive Rocky Hill, Connecticut 06067-3900

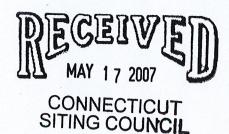
Phone: (860) 513-7636 Fax: (860) 513-7190

EM-CING-007-062-084-131-152-070517

Steven L. Levine Real Estate Consultant

#### **HAND DELIVERED**

May 17, 2007



Honorable Daniel F. Caruso, Chairman, and Members of the Connecticut Siting Council Connecticut Siting Council 10 Franklin Square New Britain, Connecticut 06051

Re: New Cingular Wireless PCS, LLC notice of intent to modify 5 existing telecommunications facilities located in Berlin, Hamden, Milford, Southington, and Waterford

Dear Chairman Caruso and Members of the Council:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") plans to modify the equipment configurations at many of 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 locate.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile (GSM) communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

Attached are summary sheets detailing the planned changes, including power density calculations reflecting the change in the effect of Cingular's operations at each affected 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).

- 1. In each instance, the height of the overall structure will be unaffected. Modifications to the existing sites include all or some of the following as necessary to bring each site into conformance with the plan:
  - Replacement of existing panel antennas with new antennas of similar size, shape, and weight, or, installation of additional antennas of similar size, shape, and weight.
  - Installation of small tower mount amplifiers ("TMA's") and/or diplexers to the platform on which the panel antennas are mounted to enhance signal reception.
  - Installation of additional or larger coaxial cables as required.
  - Installation of an additional equipment cabinet in existing shelters, or on existing or enlarged concrete pads.

None of these 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 other than some enlarged equipment pads as noted in the following attachments.
- 3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.
- 4. Radio frequency power density may increase due to use of one GSM channel for UMTS transmissions. 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) 513-7636 with questions concerning this matter. Thank you for your consideration.

Sincerely,

Steven L. Levine

Real Estate Consultant

Attachments

#### **CINGULAR WIRELESS Equipment Modification**

1684 Chamberlain Hwy, Berlin, CT Exempt Modification 11/20/03

Tower Owner/Manager:

Crown Castle

**Equipment configuration:** 

Monopole

Current and/or approved: Three EMS MB96RR900200 antennas @ 65 ft c.l.

Six TMA's @ 65 ft

Six runs 1 5/8 inch coax (approved for 12) Three outdoor cabinets on existing pad

**Planned Modifications:** 

No change to equipment on the tower

Install two additional outdoor cabinets on existing pad

#### **Power Density:**

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 53.0 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 56.6 % of the standard.

#### **Existing**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							37.13
Cingular GSM *	65	880 - 894	2	296	0.0504	0.5867	8.59
Cingular GSM *	65	1900 Band	2	427	0.0727	1.0000	7.27
Total							53.0%

<sup>\*</sup> Per CSC Records

#### **Proposed**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							37.13
Cingular GSM	65	880 - 894	2	296	0.0504	0.5867	8.59
Cingular GSM	65	1900 Band	1	427	0.0363	1.0000	3.63
Cingular UMTS	65	880 - 894	1	500	0.0426	0.5867	7.25
Total						1	56.6%

<sup>\*</sup> Per CSC Records

## Structural information:

No structural analysis is submitted because Cingular is not proposing to modify equipment on the tower.





New Cingular Wireless PCS, LLC

500 Enterprise Drive

Rocky Hill, Connecticut 06067-3900

Phone: (860) 513-7636 Fax: (860) 513-7190

Steven L. Levine Real Estate Consultant

May 17, 2007

Herman Middlebrooks, Jr, Town Manager Town of Berlin Town Hall 240 Kensington Rd. Berlin, CT 06037

Re: Telecommunications Facility - 1684 Chamberlain Highway, Berlin, CT

Dear Mr. Middlebrooks:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") will be changing its equipment configuration at certain cell sites.

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 to the Siting Council fully describes Cingular's proposal for the referenced cell site. 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) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine

Real Estate Consultant

**Enclosure** 

#### CINGULAR WIRELESS **Equipment Modification**

890 Evergreen Avenue, Hamden, CT

CSC Docket 195; Exempt Modification 8/15/02

Tower Owner/Manager:

Crown Castle

**Equipment configuration:** 

Stealth Silo

Current and/or approved: Nine CSS DUO1417 antennas @ 85 ft c.l.

Nine runs 7/8 inch coax Six TMA's @ 85 ft

**Planned Modifications:** 

Remove three existing antennas

Install three Powerwave 7770 antennas @ 85 ft c.l.

Install three runs 7/8 inch coax (total of 12)

Install three diplexers @ 85 ft

#### **Power Density:**

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 63.7 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 52.7 % of the standard.

#### **Existing / Approved**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							40.90
Cingular TDMA*	85	880 - 894	16	100	0.0796	0.5867	13.57
Cingular GSM *	85	880 - 894	2	296	0.0295	0.5867	5.02
Cingular GSM *	85	1900 Band	2	427	0.0425	1.0000	4.25
Total							63.7%

<sup>\*</sup> Per CSC records.

## Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							40.90
Cingular GSM	85	880 - 894	2	296	0.0295	0.5867	5.02
Cingular GSM	85	1900 Band	1	513	0.0255	1.0000	2.55
Cingular UMTS	85	880 - 894	1	500	0.0249	0.5867	4.24
Total		27					52.7%

<sup>\*</sup> Per CSC records.

## **Structural information:**

The attached structural analysis indicates the existing structure is adequate to support the proposed equipment modifications.





New Cingular Wireless PCS, LLC

500 Enterprise Drive

Rocky Hill, Connecticut 06067-3900

Phone: (860) 513-7636 Fax: (860) 513-7190

Steven L. Levine Real Estate Consultant

May 17, 2007

Honorable Craig B. Henrici, Mayor Town of Hamden Hamden Government Center 2750 Dixwell Ave. Hamden, CT 06518-3320;

Re: Telecommunications Facility - 890 Evergreen Avenue, Hamden

Dear Mayor Henrici:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") will be changing its equipment configuration at certain cell sites.

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 to the Siting Council fully describes Cingular's proposal for the referenced cell site. 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) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine Real Estate Consultant

Enclosure



Date: May 9, 2007

Veronica Harris Crown Castle International 1200 McArthur Blvd. Mahwah, NJ 07430 (201) 236-9094

PSG Engineering, Ltd. 8206 Forest Gate Drive Sugar Land, TX 77479

Phone: (281) 343-7099 Fax: (281) 343-7127

Subject:

**Analysis Structural Report** 

**Carrier Designation** 

Cingular Wireless Co-Locate
Carrier Site Number: "2039"

Carrier Site Name: "Hamden-Silo"

Crown Castle Designation

Crown Castle BU Number: 800529

Crown Castle Site Name: CT HAMDEN NORTH CAC

**Crown Castle JDE Job Number: 87955** 

Engineering Firm Designation

PSG Engineering Project Number: 0701H122-Z320108

Site Data

890 Evergreen Ave., Hamden, CT, New Haven County

Latitude 41° 24′ 24.24″, Longitude -72° 54′ 15.20″

100 Foot - Silo Tower

Dear Ms. Harris,

*PSG Engineering, Ltd.* is pleased to submit this "Structural Opinion Letter" for the structural integrity of the aforementioned tower. This letter has been performed in Crown Castle Structural 'Statement of Work' and the terms of Crown Castle Purchase Order Number 238826, in accordance with application 45411, revision 1. The purpose of this letter is to determine the suitability of the tower with the proposed, existing, and reserved loading as specified in Tables 1 & 2 below. This opinion is consistent with the guidelines as stated in the TIA/EIA 222-F standard based upon a fastest mile wind speed condition of 85 mph (equivalent to 105 mph 3-second gust wind speed).

Table 1 – Proposed (P) Antenna and Cable Information

Elevation Of Manufacturer Antenna Model Mount (feet)	Feed Lines	Line Size
6(P) CSS DUO1417-8686	Lines	(inches)
85 3(P) Powerwave 7770.00	3(P)	7/8
6(P) Technologies LGP13519	٥(١)	''0

Table 2 – Installed (I) and Reserved (R) Antenna and Cable Information

Center Line Elevation (feet)	Number Of Antenna	Antenna Manufacturer	Antenna Model	Mount	Number Of Feed Lines	Feed Line Size (inches
104	1(i)	Decibel	DB806-XC		1(1)	7/8
100	3(1)	EMS Wireless	DR65-18-02DPL2Q	Silo Internal Mount (1)		170
	6(1)	REMEC	S20057A1	1	12(1)	1 5/8
95	12(1)	Swedcom	ALP 9212-N	Silo Internal Mount (1)	12(1)	1 5/8
90	1(1)	Decibel	DB411-A		2(1)	1/2
	*9(1)	*Swedcom	*ALP 11011-N	0.11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		1/2
*85	6(1)	ADC	DUAL BAND 800/1900 FULL BAND MASTHEAD	Silo Internal Mount (1)	9(1)	7/8
	10(l)	Decibel	DB844H90E-XY			
75	1(i)	CSA Wireless	A-18A24N-U	Silo Internal Mount (1)	12(!)	1 1/4
	1(1)	EMS Wireless			(,,	1 1/4
65	6(!)	Powerwave Technologies	7250.03	Silo Internal Mount (1)	6(1)	1 1/4

\*Note: (9) Installed antennas will be removed and replaced with proposed loading. Installed TMAs, mount, and coax lines will remain to support proposed loads.

Table 3 - Original Tower Manufacturer Design Antenna and Cable Information

				a danie milaminationi	
Center Line Elevation (feet)	Number Of Antenna	Antenna Manufacturer	Antenna Model	Mount	Number Feed Of Line Feed Size
95	12	Allgon	7129.16.33	Silo Internal Mount	Not Available
85	12	Allgon	7120.16	Silo Internal Mount	Not Available
75	12	Decibel	844H90EXY	Silo Internal Mount	Not Available

Based on a comparison of the original design loads (including wind speeds), the current loads, and the proposed loads, we have determined the tower structure and foundation ARE sufficient for the proposed loading.

All proposed equipment shall be installed in accordance with the attached drawings.

We at PSG Engineering appreciate the opportunity of providing our continuing professional services to you and Crown Castle International. If you have any questions or need further assistance on this or any other projects please give us a carrilling

Respectfully submitted.

Oscar Pedraza, P.E. President

Site Plan Drawing Attachments: Engineering Application En

Level Drawing

5/10/07

# CINGULAR WIRELESS Equipment Modification

234 Melba Street, Milford, CT Former AT&T Site Exempt Modification 2/25/03

Tower Owner/Manager: T-Mobile

**Equipment configuration:** Flagpole

Current and/or approved: Three Allgon 7250 antennas @ 100 ft c.l. (approved for 6)

Twelve runs 7/8 inch coax (approved for 12) Three outdoor cabinets on existing pad

Planned Modifications: No changes to equipment on the tower

Remove one existing outdoor cabinet

Install one new outdoor cabinet for UMTS on existing pad

#### **Power Density:**

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 25.4 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 22.1 % of the standard.

#### **Existing**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							14.46
Cingular GSM *	104.5	1900 Band	6	250	0.0494	1.0000	4.94
Cingular GSM*	94.5	1900 Band	6	250	0.0604	1.0000	6.04
Total				*			25,4%

<sup>\*</sup> Per CSC Records

#### **Proposed**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							14.46
Cingular GSM	100	1900 Band	3	427	0.0461	1.0000	4.61
Cingular UMTS	100	880 - 894	11	500	0.0180	0.5867	3.06
Total							22.1%

<sup>\*</sup> Per CSC Records

## **Structural information:**

No structural analysis is submitted because Cingular is not proposing to modify equipment on the tower.





New Cingular Wireless PCS, LLC

500 Enterprise Drive

Rocky Hill, Connecticut 06067-3900

Phone: (860) 513-7636 Fax: (860) 513-7190

Steven L. Levine Real Estate Consultant

May 17, 2007

Honorable James L. Richetelli, Jr., Mayor City of Milford Parsons Complex 70 West River St. Milford, CT 06460-3364

Re: Telecommunications Facility – 234 Melba Street, Milford

Dear Mayor Richetelli:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") will be changing its equipment configuration at certain cell sites.

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 to the Siting Council fully describes Cingular's proposal for the referenced cell site. 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) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine Real Estate Consultant

Enclosure

#### **CINGULAR WIRELESS Equipment Modification**

88 – 100 Cathy Drive, Southington, CT Petition 691 dated 8/26/04

Tower Owner/Manager:

CT Light & Power

**Equipment configuration:** 

Powermount

Current and/or approved: Six CSS DUO1416 antennas @ 91 ft c.l.

Twelve TMA's @ 91 ft Twelve runs 1 5/8 inch coax Three outdoor cabinets on pad

**Planned Modifications:** 

No change to equipment on the tower

Install two additional outdoor cabinets on existing pad

#### **Power Density:**

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 8.1 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 15.8 % of the standard.

#### **Existing**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							0.00
Cingular GSM *	91	880 - 894	2	296	0.0257	0.5867	4.38
Cingular GSM *	91	1900 Band	2	427	0.0371	1.0000	3.71
Total							8.1%

<sup>\*</sup> Per CSC Records

#### **Proposed**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							0.00
Cingular GSM	91	880 - 894	3	296	0.0386	0.5867	6.57
Cingular GSM	91	1900 Band	3	427	0.0556	1.0000	5.56
Cingular UMTS	91	880 - 894	1	500	0.0217	0.5867	3.70
Total							15.8%

<sup>\*</sup> Per CSC Records

## **Structural information:**

No structural analysis is submitted because Cingular is not proposing to modify equipment on the tower.





New Cingular Wireless PCS, LLC

500 Enterprise Drive

Rocky Hill, Connecticut 06067-3900

Phone: (860) 513-7636 Fax: (860) 513-7190

Steven L. Levine Real Estate Consultant

May 17, 2007

Mr. John Weichsel, Town Manager Town of Southington Town Office Bldg. 75 Main St. Southington, CT 06489

Re: Telecommunications Facility – 88- 100 Cathy Drive, Southington

Dear Mr. Weischsel:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") will be changing its equipment configuration at certain cell sites.

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 to the Siting Council fully describes Cingular's proposal for the referenced cell site. 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) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine Real Estate Consultant

Enclosure

## CINGULAR WIRELESS Equipment Modification

1 Palmer Road, Waterford, CT Petition 659 dated 3/17/04

Tower Owner/Manager: Goshen Fire Department

**Equipment configuration:** Stealth Silhouette Pole

Current and/or approved: See Petition 659

7.5 x 21 ft concrete pad w/ two outdoor cabinets

Planned Modifications: No modifications to equipment on / in tower

Install one new outdoor cabinet for UMTS on existing pad

#### **Power Density:**

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 65.5 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 56.1 % of the standard.

#### **Existing**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							42.55
Cingular GSM *	85	880 - 894	3	296	0.0442	0.5867	7.53
Cingular GSM *	85	1900 Band	2	427	0.0425	1.0000	4.25
Cingular GSM *	79	880 - 894	3	296	0.0512	0.5867	8.72
Cingular GSM *	79	1900 Band	1	427	0.0246	1.0000	2.46
Total						100	65.5%

<sup>\*</sup> Per CSC Records

#### **Proposed**

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm²)	Standard Limits (mW/cm²)	Percent of Limit
Other Users *							42.55
Cingular UMTS	85	880 - 894	1	500	0.0249	0.5867	4.24
Cingular GSM	85	1900 Band	2	427	0.0425	1.0000	4.25
Cingular GSM	85	880 - 894	2	296	0.0295	0.5867	5.02
Total							56.1%

<sup>\*</sup> Per CSC Records

## Structural information:

No structural analysis is submitted since there are no changes to the Cingular equipment on/in the tower.





New Cingular Wireless PCS, LLC

500 Enterprise Drive

Rocky Hill, Connecticut 06067-3900

Phone: (860) 513-7636 Fax: (860) 513-7190

Steven L. Levine Real Estate Consultant

May 17, 2007

Honorable Daniel M. Steward 1<sup>st</sup> Selectman, Town of Waterford Town Hall 15 Rope Ferry Rd. Waterford, CT 06385-2806

Re: Telecommunications Facility – 1 Palmer Road, Waterford (Goshen Fire Department)

Dear Mr. Steward:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") will be changing its equipment configuration at certain cell sites.

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 to the Siting Council fully describes Cingular's proposal for the referenced cell site. 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) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine

Real Estate Consultant

Enclosure