STORY OF THE PARTY OF THE PARTY

Daniel F. Caruso Chairman

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@ct.gov Internet: ct.gov/csc

February 25, 2008

Steven Levine New Cingular Wireless PCS, LLC 500 Enterprise Drive Rocky Hill, CT 06067-3900

RE: **EM-CING-052-080125** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 130 Birdseye Road, Farmington, Connecticut.

Dear Mr. Levine:

At a public meeting held on February 14, 2008, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, 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 January 25, 2008, including the placement of all necessary equipment and shelters within the tower compound. 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 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. Please be advised that the validity of this action shall expire one year from the date of this letter. 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.

Daniel F. Caruso

Chairman

DFC/MP/cm

c: The Honorable Mike Clark, Chairman Town Council, Town of Farmington Jeffrey Ollendorf, Town Planner, Town of Farmington Crown Castle

EM-CING-052-080125





New Cingular Wireless PCS, LLC 500 Enterprise Drive Rocky Hill, Connecticut 06067-3900 Phone: (860) 513-7636

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

ORIGINAL

Steven L. Levine Real Estate Consultant



CONNECTICUT SITING COUNCIL

HAND DELIVERED

January 25, 2008

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 an existing telecommunications facility located at 130 Birdseye Road, Farmington (owner, Crown Castle)

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 the municipality in which the affected cell site is located.

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 is a summary of the planned modifications, including power density calculations reflecting the change in Cingular's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modifications as defined in Connecticut General

Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility 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. Modifications to the existing site include all or some of the following as necessary to bring the 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 may be noted in the 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 site 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

130 Birdseye Road, Farmington, CT

Site Number 5255 Former AT&T site

Town of Farmington Building Permit #35831 dated 2/6/01

Tower Owner/Manager: Crown Castle

Equipment configuration: Monopole

Current and/or approved: Nine Allgon 7184 antennas @ 130 ft c.l.

Nine runs 7/8 inch coax

Planned Modifications: Remove all existing antennas

Install 3 Powerwave 7770 antennas (or equivalent) @ 131 ft

Install six TMA's @ 130 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 25.0 % 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 27.4 % 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 *							22.88
Cingular (AT&T)	131	1900 Band	4	250	0.0210	1.0000	2.10
Total							25.0%

^{*} 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 *							22.88
Cingular GSM	131	1900 Band	2	646	0.0271	1.0000	2.71
Cingular UMTS	131	880 - 894	1	500	0.0105	0.5867	1.79
Total							27.4%

^{*} Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (B&T Engineering, 1/22/08)



		TOWN OF FA	RMINGTON	PERMIT#: 3583	31
	>	* BUILDING	PERMIT *		
DATE: 06-F	eb-2001 E	ST. COST:	71,580.00	BUILD FEES:	946.00
WIED. MECA	COMMUNICATION	IS INC	LOT#:	DEV SEW PER: ***	.00 ******
WNER: MEGA	***********	******	*****	TOTAL FEE:	946.00
100.* 0130	BIRDSE\ *******	E RD	*	****	******
NAME & ADDI	RESS OF APPLIC	TNA	DESCRIPTIO	N OF WORK TO BE	DONE
HIGHLAND CO	ONST. ASSOC.	NC901022	Commercial		
400 W 0000	KED UIII BD		Accessory	building	
PEARL RIVER	R, NY	10965			
uild.Area:	Lot /	Area:	No.Stories	: Height:	
OTE: ALL WO	ORK TO BE DONE VED BY THE BU	E IN ACCORDA ILDING DEPAR	NCE WITH THE TMENT.	APPLICATION AND	
C.O. ZONE	DEV.PERMIT	CBYD #	0945 MC7A	ENATURATION OF THE PROPERTY OF	51 IC-35831 946.00
FEE FEE	FEE			BIRDEVERIT	10 0000 t
0.0		10501397	Mark	At lune	
			hi bear		
				uilding Officia	
11 FC X P	B HTG/A	C SPRIN	IKLER SEW	ER AS BUII	_T
LLOP	LD 11 1.00/ 11				





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

January 25, 2008

Kathleen Eagen, Town Manager Town of Farmington Town Hall One Monteith Dr. Farmington, CT 06032-1053

Re: Telecommunications Facility – 130 Birdseye Road, Farmington

Dear Ms. Eagen:

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



January 22, 2008

Mr. Ben Goodhart Crown Castle International 9105 Monroe Road, Suite 150 Charlotte, NC 28270 (704) 321-3845

B&T Engineering, Inc. 1717 S. Boulder, Suite 300 Tulsa, OK 74119 (918) 587-4630 ctuttle@btengineering.com

Subject:

Structural Analysis Report

Carrier Designation:

Cingular Wireless Co-Locate

Carrier Site Number:

5255

Carrier Site Name:

Farmington-Deadwood Swamp

Crown Castle Designation:

Crown Castle BU Number:

876335

Crown Castle Site Name:

East Farmington

Crown Castle JDE Job Number:

101302

Engineering Firm Designation:

B&T Engineering Project Number:

77969

Site Data:

3 A Birdseye Road, Farmington, CT, Hartford County Latitude 41°-42'-56.58", Longitude -72°-48'-39.08"

140 Foot - Monopole Tower

Dear Mr. Goodhart,

B&T Engineering is pleased to submit this "Structural Analysis Report" to determine the structural integrity of the aforementioned tower. This analysis has been performed in accordance with the Crown Castle Structural 'Statement of Work' and the terms of Crown Castle Purchase Order Number 273222, in accordance with Application 58622, Revision 1.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC1: Existing + Reserved + Proposed Equipment
Note: See Table 1 and Table 2 for the proposed and existing/reserved loading.

Sufficient Capacity

The analysis has been performed in accordance with the TIA/EIA-222-F standard and the Connecticut Building Code based upon a wind speed of 80 mph fastest mile.

All equipment proposed in this report shall be installed in accordance with the attached drawings for the determined available structural capacity to be effective.

We at B&T 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 call.

Respectfully submitted,

Jerod Dotson Project Engineer

Chad E. Tuttle, P.E. President

ENG-FRM-10034, Rev - (3/22/06)

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

- Table 1 Proposed Antenna and Cable Information
- Table 2 Existing and Reserved Antenna and Cable Information
- Table 3 Design Antenna and Cable Information

3) ANALYSIS PROCEDURE

- Table 4 Documents Provided
- 3.1) Analysis Method
- 3.2) Assumptions

4) ANALYSIS RESULTS

- Table 5 Tower Component Stresses vs. Capacity
- 4.1) Recommendations

5) APPENDIX A

RISA Tower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

The subject structure is a 140 foot tapered monopole manufactured by Summit Manufacturing, Inc.

2) ANALYSIS CRITERIA

Specific code

- TIA/EIA-222-F 80 mph fastest mile wind speed
- Connecticut Building Code 100 mph 3-second gust

The controlling wind loads for this analysis were derived from TIA/EIA-222-F therefore the tower was analyzed for a fastest mile wind speed of 80 mph with no ice and 69 mph with ½" of radial ice.

Table 1 – Proposed Antenna and Cable Information

Center Line Line Elev. (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model		Number of Peed Lines	
130	3 6	Powerwave	7770.00 LGP21401 TMA	Existing	Existing	

Table 2 - Existing and Reserved Antenna and Cable Information

Center Line Elev. (ft)	Number of Antennas	Antenna Manufacturer	Anterna Model		Number of Feet Lines	
139#	6 9 (MLA)	Decibel 	DB980H90A-M 6' x 1' Panel	LP Platform	6 9 (MLA)	1 5/8 1 5/8
130**	9 (remove)	Allgon	7262.02	(3) T-Arms	9	7/8
120	12	Swedcom	ALP 9212-N	LP Platform	12	1 1/4
110	6 6	Antel	LPD-6513 LPA 185063/12CF	LP Platform	12	1 5/8
100%	3 6	Celwave Remec	APX16PV-16PVL-E S20057A1 TMA	Flush Mounts	6 12 (SLA)	1 1/4 1 5/8

^{*}Refer to Cable Routing Drawing in Appendix B for Feedline Placement.

Table 3 – Design Antenna and Cable Information

Center Number of Antenna Antenna Mount Feed Lines Size					
Information Not Available					

^{**} Designated antennas to be removed.

^{*} Structural Analysis performed using MLA loading rather than existing.

[%] Structural Analysis performed using SLA feedlines rather than existing.

3) ANALYSIS PROCEDURE

Table 4 - Documents Provided

Document	#Remarks	Reference	Source
Tower Manufacturer Drawings	Summit Manufacturing, Inc	CCI Doc ID# 1615361	CCIsites
Foundation Drawings	Summit Manufacturing, Inc	CCI Doc ID# 1440555	CCIsites
Geotech Report	Dr. Clarence Welti Geotechnical Engineering	CCI Doc ID# 1850446	CCIsites
Antenna Configuration	CCI CAD Pack	Date: 01/14/08	CCIsites

3.1) Analysis Method

RISA Tower (version 5.0.2.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various dead, live, wind, and ice load cases. All loads were computed in accordance with the TIA/EIA-222-F or the local building code requirements. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

- 1. This structural analysis does not include a grouted base plate.
- 2. Tower and structures were built in accordance with the manufacturer's specifications.
- 3. The tower and structures have been maintained in accordance with manufacturer's specifications.
- 4. The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
- 5. When applicable, transmission cables are considered to be structural components for calculating wind loads, as allowed by TIA/EIA-222-F.

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and B&T Engineering, Inc. should be allowed to review any new information to determine its effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 5 - Tower Component Stresses vs. Capacity - LC1

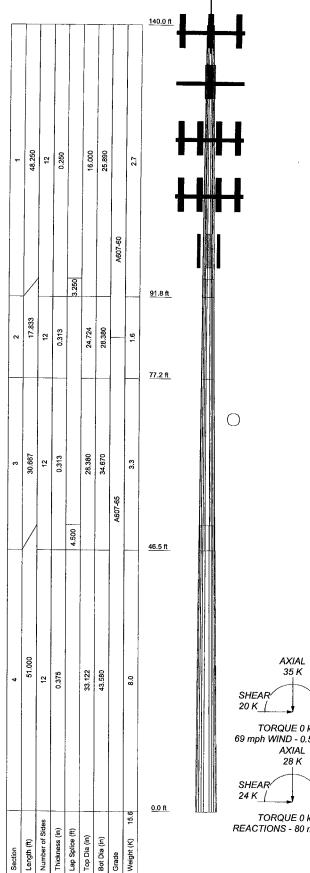
			Summary	
Notes:	Component	Elevation (ft)	% Capacity	Pass/Fail
	L1	140 - 91.75	87.5	Pass
	L2	91.75 - 77.1667	87.7	Pass
2	L3	77.1667 - 46.5	103.8	Pass
	L4	46.5 - 0	99.8	Pass
dividual Co	omponents:			···-
Notes:	Component	Elevation	% Capacity	Pass/Fail
11	Base Plate	Base	73.4	Pass
1	Anchor Rods	Base	93.9	Pass
1	Base Foundation	Base	70.4	Pass

^{*}Notes:

- 1) See additional documentation in "Appendix C Additional Calculations" for calculations supporting the % capacity listed.
- 2) Capacities up to 105% are considered acceptable based on analysis procedures used.
- 3) The percent capacities shown above (excluding foundations) include the 1/3 increase in allowable stresses as allowed by TIA/EIA-222-F.

4.1) Recommendations

APPENDIX A RISA TOWER OUTPUT



DESIGNED APPURTENANCE LOADING

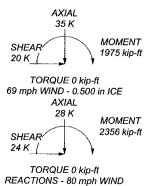
TYPE	ELEVATION	TYPE	ELEVATION	
Lightning Rod (E)	140	Low Profile Platform (E)	120	
(3) MLA ANTENNA (6' x 1' x 0.5'	139	(2) LPD-6513 (E)	110	
35 LB) (MLA)		(2) LPD-6513 (E)	110	
(3) MLA ANTENNA (6' x 1' x 0.5' 35 LB) (MLA)	139	(2) LPD-6513 (E)	110	
(3) MLA ANTENNA (6' x 1' x 0.5'	100	(2) LPA-185063/12CF (E)	110	
35 LB) (MLA)	139	(2) LPA-185063/12CF (E)	110	
Low Profile Platform (E)	139	(2) LPA-185063/12CF (E)	110	
7770.00 (P)	130	Low Profile Platform (E)	110	
7770.00 (P)	130	APX16PV-16PVL (E)	100	
7770.00 (P)	130	APX16PV-16PVL (E)	100	
(2) LGP2140X TMA (P)	130	APX16PV-16PVL (E)	100	
(2) LGP2140X TMA (P)	130	Flush Mount (E)	100	
(2) LGP2140X TMA (P)	130	Flush Mount (E)	100	
(3) T-Arms (E)	130	Flush Mount (E)	100	
(4) ALP 9212-N (E)	120	(2) Remec S20057A1 TMA (E)	100	
(4) ALP 9212-N (E)	120	(2) Remec S20057A1 TMA (E)	100	
(4) ALP 9212-N (E)	120	(2) Remec S20057A1 TMA (E)	100	

MATERIAL STRENGTH

	GRADE	Fy	Fu	GRADE	Fv	Fu
l	A607-60	60 ksi	75 ksi	A607-65	65 ksi	80 ksi

TOWER DESIGN NOTES

- Tower is located in Hartford County, Connecticut.
 Tower designed for a 80 mph basic wind in accordance with the TIA/EIA-222-F
- 3. Tower is also designed for a 69 mph basic wind with 0.50 in ice.
- Deflections are based upon a 50 mph wind.
 TOWER RATING: 103.8%





1717 S. Boulder, Suite 300 Tulsa, Ok 74119 Phone: (918) 587-4630 FAX: (918) 295-0265

) [^{Job:} 77969 - East Farmington, CT (BU 876335)						
	Project: 140' Summit Monopole / A	<i>/</i> 1					
	Client Crown Castle International	Drawn by: JDotson	App'd:				
	Code: TIA/EIA-222-F	Date: 01/22/08	Scale: NTS				
	Path:	·	Dwg No. F. 1				