



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

Daniel F. Caruso
Chairman

September 2, 2008

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

RE: **EM-CING-135-080729** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 168 Catoonah Lane, Stamford, Connecticut.

Dear Mr. Levine:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies, with the following conditions:

- The applicant shall take steps to reduce the post-construction tower rating to not more than 100 percent; and
- A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be submitted to the Council to certify that the post-construction tower rating of not more than 100 percent has been achieved.

The proposed modifications are to be implemented as specified here and in your notice dated July 28, 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.

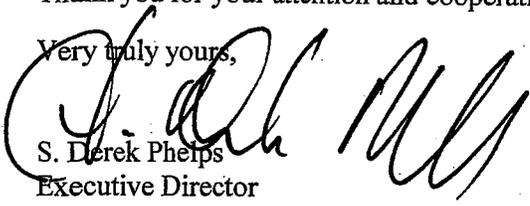
This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies 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.



CONNECTICUT SITING COUNCIL
Affirmative Action / Equal Opportunity Employer

Thank you for your attention and cooperation.

Very truly yours,

A handwritten signature in black ink, appearing to read "S. Derek Phelps". The signature is written in a cursive, flowing style.

S. Derek Phelps
Executive Director

SDP/MP/jb

c: The Honorable Dannel P. Malloy, Mayor, City of Stamford
Robert Stein, Planning and Zoning Director, City of Stamford
American Tower

EM-CING-135-080729



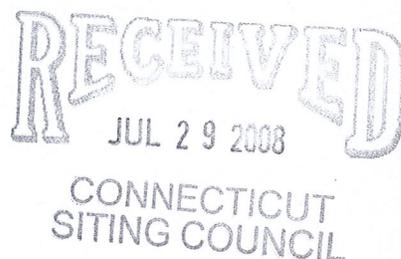
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

ORIGINAL

HAND DELIVERED

July 28, 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 tele-communications facility located at 168 Catoonah Lane, Stamford (owner, American Tower)

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 ("AT&T") 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 AT&T'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 or, installation of additional antennas of a size required to accommodate UMTS.
- 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.
- Radome enlargement for flagpole and "stick" structures to accommodate larger antennas and additional associated equipment.

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 or more 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, New 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**

168 Catoonah Lane, Stamford
Site Number 2135
Exempt Mods 9/95, 9/02

Tower Owner/Manager: American Tower

Equipment configuration: Self-Supporting Lattice Tower

Current and/or approved: Fifteen APL868013 panel antennas @ 294 ft c.l.
Twenty one runs 1 5/8 inch coax

Planned Modifications: Remove all existing antennas and fifteen runs of coax
Install three Powerwave 7770 antennas @ 294 ft c.l.
Install six TMA's @ 294 ft

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 34.6 % 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 35.7 % of the standard.

Existing

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
Other Users *							34.15
Cingular TDMA *	315	880 - 894	19	40	0.0028	0.5867	0.47
Total							34.6%

* Per CSC records. Centerline of 315 ft is in error; the actual centerline for Cingular is 294 ft.

Proposed

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
Other Users *							34.15
Cingular GSM	294	880 - 894	4	296	0.0049	0.5867	0.84
Cingular GSM	294	1900 Band	2	427	0.0036	1.0000	0.36
Cingular UMTS	294	880 - 894	1	500	0.0021	0.5867	0.35
Total							35.7%

* Per CSC records.

Structural information:

The attached structural analysis demonstrates that the tower and foundation have adequate structural capacity to accommodate the proposed modifications. (American Tower, dated 7/15/08)



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

July 28, 2008

Mayor Dannel P. Malloy
City of Stamford
Stamford Government Ctr. 888 Washington Blvd.
Stamford, CT 06904

Re: Telecommunications Facility – 168 Catoonah Lane, Stamford

Dear Mayor Malloy:

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.

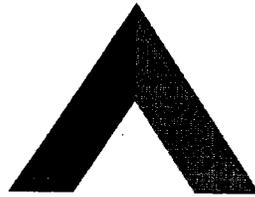
As required by Regulations of Connecticut State Agencies (“R.C.S.A.”) Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular’s proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification 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



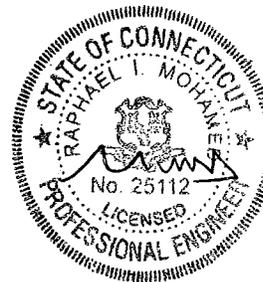
AMERICAN TOWER

Structural Analysis Report

Structure : 300 ft Type 'H' AT&T TAG Tower
ATC Site Name : Stamford (Katoona), CT
ATC Site Number : 88018
Proposed Carrier : AT&T Mobility
Carrier Site Name : Stamford West # 2135
Carrier Site Number : 10034997
County : Fairfield
Eng. Number : 42192021
Date : July 15, 2008
Usage : 105 %

Submitted by:
Michael Deese, E.I.
Design Engineer

American Tower Engineering Services
400 Regency Forest Drive
Cary, NC 27511
Phone: 919-468-0112



7/16/08

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 300 ft. Type 'H' AT&T TAG tower located near Catoona Lane, Stamford, CT 06902, Fairfield County (ATC site #88018). The tower information was taken from an analysis by CSEI (ATC Eng. #73123451, dated September 29, 2005).

Analysis

The tower was analyzed using Power Line Systems, Inc., Software. The analysis percentages assume the tower is in good, undamaged, and non-corroded condition.

Basic Wind Speed: 85 mph (Fastest Mile) / 105 mph (3-Second Gust)
 Radial Ice: 74 mph (Fastest Mile) w/ 1/2" ice
 Code: TIA/EIA-222-F / 2003 International Building Code with 2005 Connecticut Supplements & 2008 Connecticut Amendments

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
310.0	1	10' Omni	Platform	(1) 7/8"	Lojack
303.0	1	Scala OGB9-900N/DT3		(1) 7/8"	Bell Industries
	1	AML PGLN1PR-MFF		-	
301.0	1	Radio Waves SP4D		(1) 7/8"	Marcus Comm.
	1	TX/RX 101-68-10-X-03N		(1) 1-1/4"	
300.0	1	RFS PD-200		(1) 1-5/8"	Lojack
289.0	1	Dielectric TLP-08M-2E	Pipe	(1) 3 1/8"	Qualcomm
269.0	1	Rohde & Schwarz ADD090	Side Arm	(2) 7/8"	US Coast Guard
265.0	6	EMS FR90-16-00DP	Sector Frame	(24) 1-5/8"	T-Mobile
260.0	1	Til Tek TA-2350-DAB	Side Arm	(1) EW20	XM Radio
250.0	3	Dapa 58010	Pipe	(3) 1-5/8"	AT&T
	2	10' Omni		(2) 7/8"	US Coast Guard
240.0	2	Sinclair SRL-235-2	Side Arm	(2) 7/8"	
	1	Sinclair SRL-335-2		(2) 7/8"	
237.0	6	EMS APL800803-420T	Sector Frame	(12) 1-5/8"	AT&T
224.0	12	Decibel DB844H90E-XY	Sector Frame	(15) 1-5/8"	Nextel
205.0	1	Sinclair SRL-235-2	Pipe	(2) 7/8"	US Coast Guard
	1	Sinclair SC381-HL		(1) 7/8"	
200.0	2	TX/RX 101-68-10-X-03N	Side Arm	(2) 1-1/4"	Marcus Comm.
190.0	1	24" Reflector	Pipe	-	Town of Stamford

Existing Antennas (Continued)

167.0	2	Antel BCD-87010	Side Arm	(2) 7/8"	USA Mobility
160.0	6	Kathrein 800-10504	Sector Frame	(6) 1 5/8"	Metro PCS
150.0	3	KMW AM-X-WM-17-65-00T	Sector Frame	(6) 1 5/8"	Sprint/Nextel
	3	Andrew UMWD-09014-XD		(6) 1 5/8"	
	3	KMW KMDAPS2050000		N/A	
100.0	1	TX/RX 101-68-10-X-03N	Side Arm	(1) 1-1/4"	Marcus Comm.
25.0	1	Til Tek TA-2324-LHCP	Side Arm	(1) 7/8"	XM Radio
10.0	1	Trimble GPS Unit	Pipe	(1) 3/8"	Lojack

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
294.0	3	Allgon 7770.00	Side Arms	(6) 1 5/8"	AT&T Mobility
	6	Powerwave LGP-21401		N/A	

Install proposed coax in same location as existing.

Results

The maximum structure usage is: 105 % (Overstress Considered Acceptable)

Leg Forces	Original Design Reactions	Current Analysis Reactions	% Of Design
Uplift (Kips)	N/A	297.8	N/A
Axial (Kips)	N/A	383.6	N/A
Shear (Kips)	N/A	58.1	N/A

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Conclusion

Based on the analysis results, the structure meets the requirements per TIA/EIA-222-F and 2003 IBC standards with 2005 Connecticut Supplements & 2008 Connecticut Amendments.

The tower and foundation can support the existing and proposed antennas with the coax line distribution described in this report.

If you have any questions or require additional information, please call 919-466-5146.

Standard Conditions

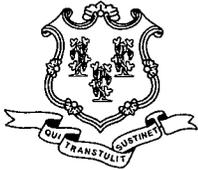
All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

- Information supplied by the client regarding the structure itself, the antenna and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to ATC Engineering Services and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and are in an un-corroded condition and have not deteriorated; and we, therefore, assume that their capacity has not significantly changed from the "as new" condition.

All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/EIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Engineering Services is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.



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Daniel F. Caruso
Chairman

July 29, 2008

The Honorable Dannel P. Malloy
Mayor
City of Stamford
Stamford Government Center
888 Washington Boulevard
P. O. Box 10152
Stamford, CT 06904-2152

RE: **EM-CING-135-080729** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 168 Catoona Lane, Stamford, Connecticut.

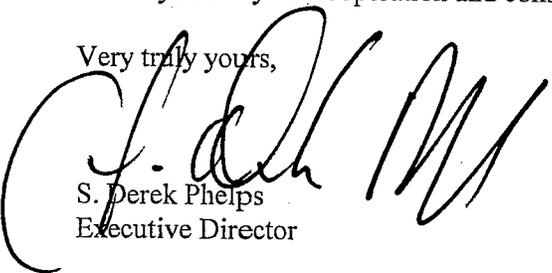
Dear Mayor Malloy:

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.

If you have any questions or comments regarding this proposal, please call me or inform the Council by August 12, 2008.

Thank you for your cooperation and consideration.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

c: Robert Stein, Planning and Zoning Director, City of Stamford