

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

June 17, 2008

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

RE: **EM-CING-046-080514** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 197/275 North Street, Easton, 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:

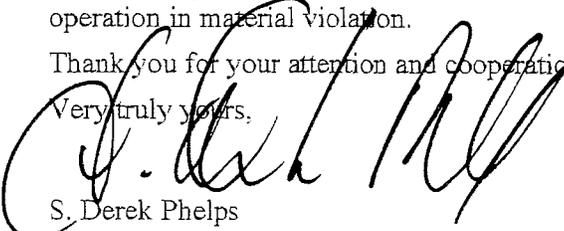
- The proposed diplexers and tower mounted amplifiers are installed behind the antennas; and
- The proposed coax lines are installed inside the monopole's shaft.

The proposed modifications are to be implemented as specified here and in your notice dated May 14, 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.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/MP

c: Honorable Thomas A. Herrmann, Town of Easton
Philip Doremus, Planning and Zoning Official, Town of Easton
SBA



EM-CING-046-080514



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

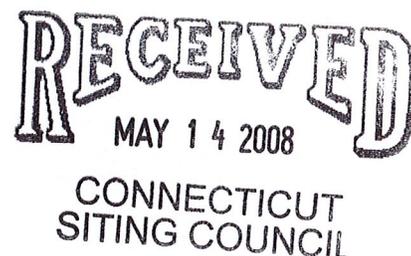
Steven L. Levine
Real Estate Consultant

HAND DELIVERED

ORIGINAL

May 14, 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 197/275 North Street, Easton (owner, SBA)

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

JAN 19 1964

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**

197/275 North Street, Easton
Site Number 5050
Former AT&T Cell Site
Exempt Modification approved 6/03

Tower Owner/Manager: SBA

Equipment configuration: Stealth Monopole - tree

Current and/or approved: Three Allgon 7250 panel antennas @ 155 ft c.l. (6 approved)
Six runs 1 5/8 inch coax

Planned Modifications: Remove all three existing antennas
Install six Powerwave 7770 antennas @ 155 ft c.l.
Install six TMA's and six diplexers @ 155 ft
Install six additional runs 1 5/8 inch coax (total of 12)
Remove one existing outdoor equipment cabinet
Install one outdoor equipment cabinet on existing concrete pad

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 9.3 % 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 13.4 % 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 *							7.79
Cingular GSM *	155	1900 Band	4	250	0.0150	1.0000	1.50
Total							9.3%

* Per CSC records.

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 *							7.79
Cingular GSM	155	880 - 894	4	296	0.0177	0.5867	3.02
Cingular GSM	155	1900 Band	2	427	0.0128	1.0000	1.28
Cingular UMTS	155	880 - 894	1	500	0.0075	0.5867	1.28
Total							13.4%

* Per CSC records.

Structural information:

The attached structural analysis demonstrates that the tower and foundation have adequate structural capacity to accommodate the proposed modifications. (FDH Engineering., dated 5/7/08)



May 7, 2008

Mr. Mark Luther
SBA Network Services, Inc.
800 S. Washington Ave.
Scranton, PA 18505

RE: 185' Monopole
Site Name: North Easton
SBA Site ID: CT00707-S #5050
FDH Project Number: 08-05007E S1

Dear Mark:

Per your request, FDH Engineering, Inc. has reviewed the original manufacturer's drawings and the proposed loading for the 185' monopole located in Easton, CT. The original design configuration by Paul J. Ford (Job No. 20099-146) dated August 10, 1999 stipulates the tower was designed to accommodate the appurtenance loading outlined in **Table 1** on the following page.

The load resulting from the current configuration (see **Table 2**) combined with AT&T's proposed loading of (6) Powerwave 7770 antennas, (6) TMAs, and (6) diplexers at a centerline elevation of 155' with corresponding (12) 1-5/8" coax (see **Table 3**) will be below that of the original design loading. Furthermore, provided the tower foundation was constructed per the tower's original design drawings, the foundation should meet TIA/EIA-222-F standards with both the proposed and existing antennas in place. The proposed TMAs and diplexers should be installed behind the proposed panel antennas. The proposed coax should be installed inside the monopole's shaft.

Our assessment has been made assuming all information provided to FDH Engineering is accurate and that the tower as been properly erected and maintained.

In conclusion, the proposed AT&T installation should meet or exceed all applicable standards and should therefore be considered safe. Should you require additional information, please do not hesitate to contact our office.

Sincerely,

Bradley Newman, EI
Project Engineer

Reviewed By:

Christopher M. Murphy, PE
Vice President
CT PE License No. 25842



Table 1 – Design Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Mount Type	Description
1-12	185	(12) 1-5/8" (assumed)	(3) 6' Curved Arm Mount	(12) Decibel DB874H
---	185	---	---	6' Limbs
---	179.5	---	---	6' Limbs
13-24	175	(12) 1-5/8" (assumed)	(3) 6' Curved Arm Mount	(12) Decibel DB874H
---	174.5	---	---	7' Limbs
---	169.5	---	---	8' Limbs
25-36	165	(12) 1-5/8" (assumed)	(3) 6' Curved Arm Mount	(12) Decibel DB874H
---	164.5	---	---	8' Limbs
---	159.5	---	---	9' Limbs
37-48	155	(12) 1-5/8" (assumed)	(3) 6' Curved Arm Mount	(12) Decibel DB874H
---	154.5	---	---	9' Limbs
---	149.5	---	---	10' Limbs
49-60	145	(12) 1-5/8" (assumed)	(3) 6' Curved Arm Mount	(12) Decibel DB874H
---	144.5	---	---	11' Limbs

Table 2 – Existing Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Mount Type	Description
1-3	185	(6) 1-5/8"	T-Mobile	(3) 6' Curved Arm Mount	(3) EMS RR90-17-02DP (6) TMAs
4-9	175	(6) 1-5/8"	Sprint	(3) 6' Curved Arm Mount	(6) Decibel DB908H90E-M
10-21	165	(12) 1-5/8"	Verizon	(3) 6' Curved Arm Mount	(6) Antel LPA-80090/4CF (6) Antel LPA-185090/8CF
22-24	155 ¹	(6) 1-5/8"	AT&T	(3) 6' Curved Arm Mount	(3) Allgon 7250.03

¹ The loading for AT&T at 155 ft will be altered. See the proposed loading below.

Table 3 – Proposed Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Mount Type	Description
1-6	155 ¹	(12) 1-5/8"	AT&T	(3) 6' Curved Arm Mount	(6) Powerwave 7770 (6) TMAs (6) Diplexers

¹ This represents the final loading for AT&T at 155 ft. According to information provided by SBA, AT&T will remove (3) 7250.03 antennas and install (6) 7770 antennas, (6) TMAs, and (6) diplexers. AT&T will also add (6) 1-5/8" coax to the existing (6) coax for a final configuration of (6) antennas, (6) TMAs, (6) diplexers, and (12) coax at 155 ft.



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 14, 2008

Honorable Thomas A. Herrmann
1st Selectman, Town of Easton
Town Hall 225 Center Rd.
Easton, Connecticut 06612

Re: Telecommunications Facility – 197/275 North Street, Easton

Dear Mr. Herrmann:

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