

# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

December 23, 2003

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **EM-AT&T-078-031211** – AT&T Wireless notice of intent to temporarily modify an existing telecommunications facility located at North Eaglesville Road, Mansfield, Connecticut.

Dear Attorney Fisher:

At a public meeting held on December 22, 2003, 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 December 10, 2003. 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. 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,

Pamela B. Katz, P.E.

Chairman

PBK/laf

- c: Honorable Elizabeth C. Paterson, Mayor, Town of Mansfield
- Martin Berliner, Town Manager, Town of Mansfield
- Gregory Padick, Town Planner, Town of Mansfield
- George L. Davis, Tower Manager, University of Connecticut
- Julie Donaldson Kohler, Hurwitz & Sagarin LLC

**CUDDY & FEDER LLP**

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CHAUNCEY L. WALKER (also CA)**

**Of Counsel  
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ROBERT L. OSAR (also TX)  
MARYANN M. PALERMO  
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**NEIL J. ALEXANDER (also CT)  
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ANTHONY B. GIOFFRE III (also CT)  
SUSAN E.H. GORDON  
KAREN G. GRANIK  
JOSHUA J. GRAUER  
KENNETH F. JURIST  
MICHAEL L. KATZ (also NJ)  
JOSHUA E. KIMERLING (also CT)  
DANIEL F. LEARY (also CT)  
BARRY E. LONG**

December 10, 2003

VIA FEDERAL EXPRESS

Hon. Pamela B. Katz, Chairman and Members  
of the Siting Council  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051



CONNECTICUT  
SITING COUNCIL

Re: AT&T Wireless  
Notice of Further Exempt Modification  
UCONN Tower, North Eaglesville Road, Mansfield, Connecticut

Hon. Pamela B. Katz, Chairman and Members of the Siting Council:

AT&T has previously filed notice of and the Council has acknowledged an exempt modification for AT&T's facility at the captioned site. These modifications were limited to installation of up to six panel antennas and associated equipment cabinets on a concrete pad within the existing fenced compound. See copy of EM-AT&T-078-021205 dated January 10, 2003 annexed hereto.

In order to timely deploy its facility, AT&T is proposing to temporarily install a flat panel point-to-point antenna (24" in width by 24" in height) at the site until such time as a T-1 line can be established by the telephone company. Moreover, AT&T will initially be deploying only 3 of the 6 approved panel antennas. As such, the proposed temporary antenna is within the original structural tolerances as approved for the site. See copy of CHA report dated December 8, 2003 annexed hereto.

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While this notice may not be required by regulation due to the temporary nature of the panel antenna installation and fact that the total number of panel antennas being installed are still less than the 6 acknowledged by the Council in AT&T's prior filing, AT&T is at UCONN's request notifying the Siting Council of its intent to modify the captioned facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies. The proposed antenna constitutes an exempt "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and regulations promulgated pursuant thereto because it will not result in an increase in tower height, extend the boundaries of the existing compound, or increase noise levels. Moreover, the total radio frequency electromagnetic radiation power density at the Facility site boundaries will be unchanged because the antenna is used for point-to-point communications and transmits energy with a focused narrow beam which will not increase the calculated MPE value at this site. See December 3, 2003 correspondence annexed hereto.

Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that the proposed temporary modification to the captioned site as outlined in this notice meets the Council's exemption criteria.

Respectfully Submitted,



Christopher B. Fisher, Esq.  
On behalf of AT&T Wireless

cc: Martin Berliner, Town Manager, Town of Mansfield  
Charisma King, Optasite, Inc.



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Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

January 10, 2003

Christopher B. Fisher, Esq.  
Cuddy & Feder & Worby LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **EM-AT&T-078-021205** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless notice of intent to modify an existing telecommunications facility located at North Eaglesville Road, Mansfield, Connecticut.

Dear Attorney Fisher:

At a public meeting held on January 8, 2003, 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 received in our office on December 5, 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 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. Gelston  
Chairman

MAG/laf

- c: Honorable Elizabeth Patterson, Mayor, Town of Mansfield
- Martin H. Berliner, Town Manager, Town of Mansfield
- Gregory Padick, Town Planner, Town of Mansfield
- George L. Davis, Tower Manager, University of Connecticut
- Julie Donaldson Kohler, Hurwitz & Sagarin LLC
- Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP



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December 8, 2003

Mr. Donald Huntley  
Bechtel  
210 Pomeroy Avenue  
Meriden, CT 06450

**RE: *Structural Review of the University of Connecticut Tower  
Located in Tolland County, CT  
AT&T Wireless Services CT-823A  
CHA Project No. 11676.1004.1601***

Dear Mr. Huntley:

Clough, Harbour & Associates LLP (CHA) has performed a review of the referenced tower for the purpose of evaluating its ability to support the existing equipment loads in addition to the equipment proposed by AT&T Wireless Services (AWS). In summary, our review indicates that the tower is structurally capable of supporting the existing and proposed loads.

Our analysis is based on the following information:

- Existing, proposed, and future equipment information, including antenna models and elevations, provided by Bechtel.
- Previous analyses by Pirod Inc., Engineering File No. A-113846, dated December 13, 2002.

Our analysis includes data for the following proposed antennas and cables:

AWS - One (1) QuickFire DFPD2-52 directional flat panel antenna at an antenna centerline elevation of 166' with one (1) 1 5/8" coaxial cable.

With this information and ANSI/TIA/EIA-222-F, *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*, and *The Building Code of Connecticut State, 2003*, the review was performed to determine the structural integrity of the tower.

The current build out for AWS consists of three (3) antennas and six (6) coaxial cables. If AWS is to install any additional antennas other than the current build out, then the proposed directional flat panel will have to be removed. If the panel is not removed than an analysis will have to be performed to determine if the tower is structurally capable of



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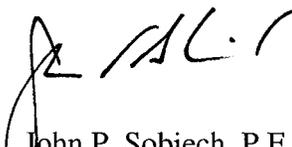
supporting the additional loading. This review indicates that the existing tower is structurally capable of supporting the existing and proposed loads.

If you have any questions or if we can be of further assistance, please do not hesitate to call.

Very truly yours,

**CLOUGH, HARBOUR & ASSOCIATES LLP  
ENGINEERS, SURVEYORS, PLANNERS  
& LANDSCAPE ARCHITECTS**



  
John P. Sobiech, P.E.  
Partner

/jjs

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Dec 03, 2003

RE: MPE VALUES WITH TEMPORARY MICROWAVE INSTALLATIONS

Installation of a temporary microwave transmitting antenna at towers proposed for installation of AT&T antennas will not change or affect the MPE values originally calculated for the AT&T facility. This is due to the fact the Microwave Antennas are used for point- to- point communications transmitting energy with a focused narrow beam and do not increase the calculated MPE value.

Sincerely,

*Vishal Kataria*  
Vishal Kataria  
Senior RF Design Engineer  
Bechtel Telecommunications.  
210 Pomeroy Avenue  
Meriden, CT 06450