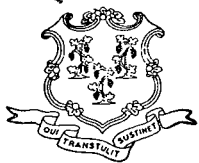


FILE



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
New Britain, Connecticut 06051-4225  
Phone: 827-7682

June 21, 1995

David S. Malko  
General Manager - Engineering  
Bell Atlantic Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492

Re: Metro Mobile CTS of Hartford, Inc. notice of intent to modify an existing telecommunications tower located at 250 South Main Street, East Windsor, Connecticut.

Dear Mr. Malko:

At a public meeting held on June 20, 1995, the Connecticut Siting Council (Council) considered your notice of an exempt modification at an existing telecommunications tower site at 250 South Main Street, East Windsor, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The modification is in compliance with exception criteria in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as a change that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, increase the total radio frequency 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, and would not cause a significant change or alteration in the physical and environmental characteristics of the site. Municipal approval, in the form of a zoning permit and a building permit has been obtained, and therefore the Council acknowledges this project as an exempt modification under Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies.

Enclosed please find the Council's staff report on this modification.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mortimer A. Gelston" followed by a stylized flourish.

Mortimer A. Gelston  
Chairman

MAG:SMH:mmb  
Enclosure

cc: The Honorable John Rajala, First Selectman, Town of East Windsor



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
New Britain, Connecticut 06051-4225  
Phone: 827-7682

Metro Mobile CTS of Hartford, Inc.  
Modification of an Existing Non-Facility Tower  
East Windsor, Connecticut  
Staff Report  
June 20, 1995

On June 16, 1995, Connecticut Siting Council (Council) designee Brian Emerick and Council staff member Stephen M. Howard met Sandy Ranciato and Wayne Lukachek of Bell Atlantic Mobile (BAM) at the site of the proposed modification. BAM is proposing to strengthen the roof and remove and replace an existing 80 foot high guyed tower located on an existing garage/warehouse building at 250 Main Street in East Windsor owned by Balch Pontiac - Buick, Inc. The replacement tower would be a "like-for-like" replacement. BAM had intended to remove and refurbish the existing tower; however, after pricing out the refurbishing job, BAM found that the difference between refurbishing and a new tower was only \$1300. In addition to the existing antenna, BAM is proposing to place four, 27 inch long panel antennas onto the replacement tower. BAM's electronic equipment would be housed in a 600 square foot portion leased within the garage/warehouse building.

BAM contends that its proposed modifications of the existing non-facility tower fall under Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as not constituting a substantial environmental effect when the changes to the tower:

1. Have received a ruling by the Council that such a facility would not cause a significant change or alteration in the physical and environmental characteristics of the site;
2. Do not extend the boundaries of the site;
3. Do not increase noise levels at the site boundary by six decibels or more;
4. Do not increase the total radio frequency electromagnetic radiation power density measured at the site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162; and
5. Have received all municipal zoning approvals and building permits.

BAM's proposed modifications would not extend the boundaries of the site or increase noise levels at the site boundary by six decibels or more or over the state noise standard. The HVAC units would be placed on the roof of the existing building.

BAM's proposed antennas would be the only transmitting source at the site. The worst-case radio frequency electromagnetic power density at the base of the building would be 0.1208 mW/cm<sup>2</sup> or 20.7 percent of the standard adopted by the State Department of Environmental Protection in General Statutes § 22a-162.

Additionally, BAM has received all municipal zoning approvals and building permits.

BAM is seeking ruling by the Council that such a facility would not cause a significant change or alteration in the physical and environmental characteristics of the site.

Council staff does not believe that the proposed modifications would cause any significant change or alteration at the site.

Bell Atlantic Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
203 269-8858

David S. Malko, P.E.  
General Manager - Engineering

June 8, 1995

**RECEIVED**

JUN - 8 1995

CONNECTICUT  
SITING COUNCIL

Mr. Joel M. Rinebold, Executive Director  
Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051

Re: Metro Mobile CTS of Hartford, Inc. - East Windsor Cell Site

Dear Mr. Rinebold:

Metro Mobile CTS of Hartford, Inc. ("Metro Mobile" or the "Company") plans to install cellular antennas and related equipment at an existing tower site owned by Balch Pontiac Buick in East Windsor, Connecticut. Please accept this letter as notice of intent, pursuant to R.C.S.A. Section 16-50j-73, of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72(c). In further compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the First Selectman of East Windsor.

The existing non-facility tower is an 80' guyed tower located on an existing garage and warehouse building, approximately 20 feet tall, at 250 South Main Street. Metro Mobile plans to install four panel-type cellular antennas on the tower. Prior to installation of the antennas, the tower will be replaced "like for like" as indicated on the building permit application approved by the East Windsor building official (attached). The Company will also lease a 600 square foot area within the garage warehouse building to locate its electronic equipment.

The addition of Metro Mobile's antennas and equipment to the tower site does not constitute a substantial environmental effect since such additions do not cause a significant change or alteration in the physical and environmental characteristics of the site. Rather, the planned changes to the existing non-facility tower fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(c).

First, the site boundaries will not be extended. Metro Mobile's equipment will be housed within a building already existing on the site. The existing tower will be replaced with one of identical design and dimensions. Four antennas, Swedcom Model ALP 9209-N, each approximately 27" in length, will be

June 8, 1995

mounted at the 72' level. The replacement tower will not require any structural modification to support the proposed attachments. One for one replacement was deemed more reliable and cost-effective than performing the routine general maintenance on the existing tower that otherwise would have been required. Attached is a copy of a photograph of the existing tower.

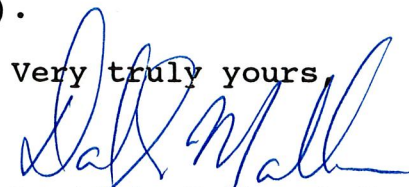
Second, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. The only noise will be from additional air conditioners, when in use, to cool the equipment area.

Third, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the base of the building, to a level at or above the ANSI standard. Metro Mobile will be the only transmitting source at the site, and a "worst-case" calculation for a point at the base of the building indicates that Metro Mobile's antennas would result in a level of 0.0807 mW/cm<sup>2</sup>. This power density level is 13.8% of the ANSI standard for uncontrolled environments at cellular frequencies of approximately 0.583 mW/cm<sup>2</sup>.

In several discussions with Metro Mobile representatives regarding the proposed installation, the East Windsor zoning enforcement officer informed Metro Mobile that the proposed use is in compliance with the Town's zoning regulations. Attached is a copy of the zoning permit. The Company has been informed that the building permit is being process for mailing to the Company. No federal or other state approvals are necessary for the installation.

For the foregoing reasons, Metro Mobile seeks a ruling that its proposed additions to the non-facility tower would not cause a significant change or alteration in the physical and environmental characteristics of the site pursuant to R.C.S.A. Section 16-50j-72(c)(1). The Company further submits that the changes comply with R.C.S.A. Sections 16-50j-72(c), (2) through (5) and therefore requests a determination that the placement of the antennas and equipment on the existing non-facility tower site does not constitute a substantial environmental effect under R.C.S.A. Section 16-50j-72(c).

Very truly yours,



David S. Malko, P.E.

General Manager - Engineering

Attachments

cc: Honorable John Rajala, First Selectman, Town of East Windsor

Bell Atlantic Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
203 269-8858

David S. Malko, P.E.  
General Manager - Engineering

June 8, 1995

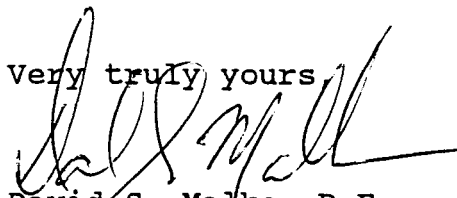
The Honorable John Rajala  
First Selectman, Town of East Windsor  
Town Hall  
11 Rye Street  
P.O. Box 213  
East Windsor, Connecticut 06016

Dear First Selectman Rajala:

Metro Mobile CTS of Hartford, Inc. ("Metro Mobile" or the "Company") plans to install cellular antennas and related equipment at an existing tower site owned by Balch Pontiac Buick, Inc. in East Windsor. As required by Section 16-50j-73 of the Regulation of Connecticut State Agencies ("R.C.S.A."), please accept this letter and the attached letter to the Connecticut Siting Council dated June 8, 1995, as notice of intent of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72(c).

The attached letter fully sets forth the Company's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Very truly yours,



David S. Malko, P.E.  
General Manager - Engineering

Attachment

BUILDING PERMIT APPLICATION  
(THIS IS NOT A PERMIT)

**EAST WINDSOR**  
BUILDING DEPARTMENT  
PHONE: 623-2439



**PRESS HARD! PLEASE PRINT OR TYPE**

OWNER OF RECORD <u>BALCH PONTIAC BUICK INC.</u> (Last) (First) (M.I.) <u>248 SOUTH MAIN STREET</u> (No.) (Street) <u>EAST WINDSOR CT 06088</u> (Town) (State) (ZIP) (Phone) (Phone)	REGISTRATION NO. _____ AUTHORIZED AGENT <u>METRO MOBILE CTS of HARTFORD, INC.</u> (Last) (First) (M.I.) <u>20 ALEXANDE DRIVE</u> (No.) (Street) <u>WALLINGFORD CT 06492</u> (Town) (State) (ZIP) <u>203-269-8858</u> (Phone)
PERMIT TO _____ ( ) STORY <u>Cellular Comm. Equip. Room</u> (Type of Improvement) (Proposed Use) <u>TWR Replacement Like For Like</u>	NUMBER OF (Phone) DWELLING UNITS _____
AT (LOCATION) <u>250 SOUTH MAIN ST EAST WINDSOR CT 06088</u> (No.) (Street) (ZIP) ZONING DISTRICT _____	
BETWEEN _____ AND _____ (Cross Street) (Cross Street)	
JOB DIVISION _____ BLOCK _____ LOT _____ LOT SIZE _____	
BUILDING TO BE _____ FT. WIDE BY _____ FT. LONG BY _____ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION	
TO TYPE _____ USE GROUP _____ BASEMENT WALLS OR FOUNDATION _____	(Type)
REMARKS: _____	

READ BEFORE SIGNING:

- I. I accept full responsibility for notifying the building official when the work is ready for inspection at the various stages of construction as indicated on the Job Card; and
- II. I accept full responsibility for all costs involved in having the work uncovered if any work is concealed without first giving the building official at least 24 hours to respond to a properly executed request for an inspection; and
- III. I understand that a permit grants no expressed or implied permission to violate any code, regulation, ordinance or statute regardless of what may or may not be shown on the approved plans, and regardless of any agreement with any official; and
- IV. I have read and understand all the above statements and hereby certify that I am the legal owner of the property to which this application applies or the authorized agent of the owner and have the owner's permission to perform the work.

EVERY JOB IS A SELF-PORTRAIT OF THE PERSON WHO DID IT"

[Signature] 6/1/95  
(Signature) (Date)  
\$300.00 CK#113633  
(Fee) OR 6/1/95 [Signature]  
(Received by)



ZONING PERMIT

EAST WINDSOR, CONNECTICUT

**PLEASE NOTE THAT THIS IS NOT A BUILDING PERMIT**

This Permit is hereby applied for in accordance with the requirements of the East Windsor Zoning Regulations for:

RTUS5

Principal Building - new \_\_\_\_\_ Accessory Structure \_\_\_\_\_  
Principal Building - add. \_\_\_\_\_ Change of Use: \_\_\_\_\_

Other: All antennas for existing tower on site + place radio equip in exist. leased area  
Lot located at 250 South Main Street in existing bldg on W'LY side of street  
(House No.) 5 (Street)

Tax Map No. 5 Block No. 5 Lot No. 89 EWLR Map No. \_\_\_\_\_

Zoning District: B-2 Lot Area: \_\_\_\_\_ Frontage: \_\_\_\_\_

Lot Owner: Earle Pontiac Buick, Inc.  
Address: 250 South Main Street Telephone: 623-2466

Applicant: Nitro Mobile\* Co. of Hartford Inc.  
Address: 212 Alexander Drive Telephone: 294-8519  
Willingford Ct 06492

Proposed Use: Cellular telecommunications facility LEASE OF 600# INTERIOR SPACE  
OF BUILDING EXISTING @ ABOVE SITE + EQUIPMENT ON TD

Proposed Structures:	Existing Structures: <u>EXISTING TOWER</u>
1. Dimensions _____ X _____ X (hgt) _____	Number: _____
2. Dimensions _____ X _____ X (hgt) _____	Present Uses: <u>RETAIL SALES</u>
3. Dimensions _____ X _____ X (hgt) _____	<u>PARKING REQ'D</u>
4. Parking Spaces: Required _____ Provided _____	
5. Signage: Allowed _____ Proposed <u>None</u>	
6. Coverage: Allowed _____ Bldg _____ Total Impervious <u>N/A</u>	
Proposed _____ Bldg _____ Total Impervious _____	

Prior Approval Status:

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| 1. ZBA Variance # _____ for _____ | 9. I.W.W. Approval Date _____        |
| 2. Health Approval Date _____     | 10. S&E Plan Approval _____          |
| 3. Sewer Approval Date _____      | 11. DEP Permit _____                 |
| 4. Legal Nonconforming _____      | 12. Army Corps of Engr. Permit _____ |
| 5. Conn. D.O.T. Permit _____      | 13. Floodproof Certif. Date _____    |



Bell Atlantic Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
203 269-8858

Jennifer Young Gaudet  
Manager - Regulatory

June 15, 1995

**RECEIVED**

JUN 15 1995

CONNECTICUT  
SITING COUNCIL

HAND DELIVERED

Mr. Joel M. Rinebold, Executive Director  
Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051


Re: Metro Mobile CTS of Hartford, Inc. - East Windsor Cell Site

Dear Mr. Rinebold:

Enclosed are the responses of Metro Mobile CTS of Hartford, Inc. ("Metro Mobile") to the Council's interrogatories in the above-referenced matter.

Please contact the undersigned if there are further questions with respect to this matter. Thank you for your consideration.

Very truly yours,

  
Jennifer Young Gaudet  
Regulatory Manager

Enclosure

**Metro Mobile CTS of Hartford, Inc.  
Exempt Modification - East Windsor**

**Responses to Interrogatories**

1. *Provide the transmit power and the effective isotropically radiated power used for the power density calculation.*

**RESPONSE:**

Metro Mobile's site will transmit 19 channels at 100 watts effective radiated power per channel, for a total of 1900 watts effective radiated power ("ERP"). The conversion from ERP to EIRP (effective isotropic radiated power) is obtained by multiplying ERP by 1.64.

2. *Provide a copy of the building permit for the proposed modification. If the permit has not yet been received, identify when it is expected.*

**RESPONSE:**

At the time Metro Mobile's building permit application was approved, Lorraine N. Devanney, the Assistant to the Building Official of the Town of East Windsor, informed Metro Mobile's representative that the approval indicated on the building permit application (previously submitted to the Council) constitutes Metro Mobile's authorization to begin construction. The building permit document, which confirms that authorization, should be received by mail within the next two weeks. It should also be noted that Metro Mobile's plans were reviewed and stamped "approved" as part of the review process.



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
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Metro Mobile CTS of Hartford, Inc.  
Modification of an Existing Non-Facility Tower  
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On June 16, 1995, Connecticut Siting Council (Council) designee Brian Emerick and Council staff member Stephen M. Howard met Sandy Ranciato and Wayne Lukachek of Bell Atlantic Mobile (BAM) at the site of the proposed modification. BAM is proposing to strengthen the roof and remove and replace an existing 80 foot high guyed tower located on an existing garage/warehouse building at 250 Main Street in East Windsor owned by Balch Pontiac - Buick, Inc. The replacement tower would be a "like-for-like" replacement. BAM had intended to remove and refurbish the existing tower; however, after pricing out the refurbishing job, BAM found that the difference between refurbishing and a new tower was only \$1300. In addition to the existing antenna, BAM is proposing to place four, 27 inch long panel antennas onto the replacement tower. BAM's electronic equipment would be housed in a 600 square foot portion leased within the garage/warehouse building.

BAM contends that its proposed modifications of the existing non-facility tower fall under Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as not constituting a substantial environmental effect when the changes to the tower:

1. Have received a ruling by the Council that such a facility would not cause a significant change or alteration in the physical and environmental characteristics of the site;
2. Do not extend the boundaries of the site;
3. Do not increase noise levels at the site boundary by six decibels or more;
4. Do not increase the total radio frequency electromagnetic radiation power density measured at the site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162; and
5. Have received all municipal zoning approvals and building permits.

BAM's proposed modifications would not extend the boundaries of the site or increase noise levels at the site boundary by six decibels or more or over the state noise standard. The HVAC units would be placed on the roof of the existing building.

BAM's proposed antennas would be the only transmitting source at the site. The worst-case radio frequency electromagnetic power density at the base of the building would be 0.1208 mW/cm<sup>2</sup> or 20.7 percent of the standard adopted by the State Department of Environmental Protection in General Statutes § 22a-162.

Additionally, BAM has received all municipal zoning approvals and building permits.

BAM is seeking ruling by the Council that such a facility would not cause a significant change or alteration in the physical and environmental characteristics of the site.

Council staff does not believe that the proposed modifications would cause any significant change or alteration at the site.

TOWN OF EAST WINDSOR, CT

No.008987

Date: 06/14/95

BUILDING PERMIT  
Est.Cost: \$ 50,00  
Fee: \$ 500.0

OWNER

Name: Balch Pontiac Buick, Inc.

Address: 248 South Main St.

East Windsor, CT 06088

LOCATION

Address: 250 SW SOUTH MAIN ST.

Contractor: METRO MOBILE

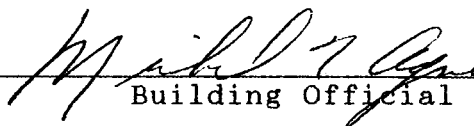
20 Alexande Drive

Wallingford, CT 06492

REN BUSINESS

Establish cellular comm.equip.room/ZP#91-95

All work to be done in accordance with the application  
and plans approved by the building department.

  
Building Official