



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

10 Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

March 28, 2000

Julie M. Cashin, Esq.
Hurwitz & Sagarin LLC
147 North Broad Street
P.O. Box 112
Milford, CT 06460-0112

RE: EM-SPRINT-047-000306 - Sprint PCS notice of intent to modify an existing telecommunications facility located at 15 Chamberlin Road in (Broad Brook) East Windsor, Connecticut.

Dear Ms. Cashin:


At a public meeting held on March 22, 2000, 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 March 3, 2000, and additional information dated March 17, 2000. 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/RKE/grg

c: Honorable Linda L. Roberts, First Selectman, Town of East Windsor
Leroy Reaves, Sprint PCS
Sandy M. Carter, Bell Atlantic Mobile

HURWITZ & SAGARIN LLC

March 3, 2000

Federal Express

Mr. Joel M. Rinebold
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED
MAR - 6 2000
CONNECTICUT
SITING COUNCIL

**Re: Notice of Exempt Modification
15 Chamberlain Road
Broad Brook, Connecticut**

Dear Mr. Rinebold:

On behalf of Sprint Spectrum L.P. ("Sprint PCS"), I am pleased to submit this notification of proposed co-location on a telecommunications facility which constitutes an exempt modification. Enclosed are an original plus twenty (20) copies of a letter requesting acknowledgement that the addition of Sprint PCS's antennas and related equipment to the existing water tank owned by Crop Production Services located at 15 Chamberlain Road, Broad Brook, Connecticut, satisfies the requirements set forth in R.C.S.A. §16-50j-72(b)(2). A check in the amount of \$500.00 to cover the filing fee is also enclosed.

The First Selectman of Broad Brook, Linda Roberts, has been sent a copy of this exempt modification filing by certified mail.

Sincerely,



JULIE M. CASHIN
JMC/dsw
Enc.

cc: Linda Roberts, First Selectman, Town of Broad Brook
Leroy Reaves, Sprint Spectrum, LP

HURWITZ & SAGARIN LLC

March 3, 2000

Mr. Joel M. Rinebold
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED

MAR - 6 2000

CONNECTICUT
SITING COUNCIL

**Re: Notice of Exempt Modification
15 Chamberlain Road
Broad Brook, Connecticut**

Dear Mr. Rinebold:

Sprint Spectrum L.P. ("Sprint PCS") hereby requests acknowledgement that Sprint PCS's proposed co-location on the existing water tank owned by Crop Production Services ("CPS") and located at 15 Chamberlain Road, Broad Brook, Connecticut ("Facility") constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). The water tank is no longer in use, and the structure is currently used solely as a telecommunications facility by Bell Atlantic Mobile ("BAM"). Under this request for acknowledgment, CPS intends to allow Sprint PCS to install antennas and related equipment at this telecommunication facility. The Town of Broad Brook granted Site Development Plan Approval to Sprint PCS on January 11, 2000 for the proposed Sprint PCS installation. Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of modification to an existing telecommunications facility, which constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the First Selectman of Broad Brook, Connecticut.

The Facility consists of a 122.8 foot high water tank structure located at 15 Chamberlain Road, Broad Brook, Connecticut. The Facility currently supports a BAM antenna array, mounted to the exterior of the tower at an antenna centerline height of 114.1 feet AGL. Sprint PCS plans to attach nine panel antennas to the Facility at an antenna centerline height of 104.1 feet AGL and a global positioning antenna ("GPS") at a height of 68.5 feet AGL. In addition to the antennas, Sprint PCS may install up to seven equipment cabinets on a frame near the base of the tower within the existing site compound.

The proposed modifications to the Facility fall squarely within and satisfy the requirements set forth in R.C.S.A. § 16-50j-72(b)(2):

1. The proposed modifications will not increase the height of the Facility. Sprint PCS's antennas will be installed at a centerline of approximately 104.1 feet above ground level (AGL). Sprint PCS's GPS antenna will be mounted to the tower at a height of 68.5 feet AGL. The site plan, attached as Exhibit A, confirms that the proposed Sprint PCS installation will not increase the overall height of the tower.

2. The installation of Sprint PCS's equipment near the base of the tower, as reflected on the attached site plan, will not require an extension of the site boundaries. Sprint PCS's proposed equipment location, fencing, access and utility routing will be located entirely within the existing site.

3. The proposed modifications will not increase the noise levels at the Facility by six decibels or more.

4. The operation of the additional antennas will not increase the total radio frequency (RF) power density, measured at the site boundary, to a level at or above the applicable standard. The "worst-case" RF power density calculation for a point at the tower base would be .165536 mW/cm² for the Sprint PCS antennas. The calculated "worst-case" power density for the combined operations at the site is well below the standard for general population/uncontrolled exposure. See power density calculation below.

Site CT33XC565

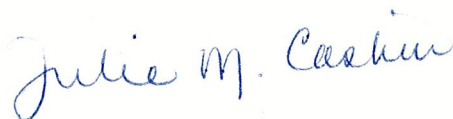
Worst Case Power Density Analysis of Sprint PCS Antennas @ Base of Tower. Assumes Max ERP & No Antenna Pattern Adjustment

Operating Frequency (MHz)	Number of Trans.	Effective Radiated Power (ERP) Per Transmitter (Watts)	Total ERP (Watts)	Antenna Height (Feet)	Distance From Base of Tower (Feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure*	%MPE
1962.5	11	453	4983	104.1	0	0.165536	1	16.5536%
1962.5	11	453	4983	104.1	50	0.134506	1	13.4506%
1962.5	11	453	4983	104.1	100	0.086092	1	8.6092%
1962.5	11	453	4983	104.1	150	0.053811	1	5.3811%
1962.5	11	453	4983	104.1	200	0.035287	1	3.5287%
1962.5	11	453	4983	104.1	250	0.024461	1	2.4461%
1962.5	11	453	4983	104.1	300	0.017790	1	1.7790%
1962.5	11	453	4983	104.1	350	0.013454	1	1.3454%
1962.5	11	453	4983	104.1	400	0.010501	1	1.0501%
1962.5	11	453	4983	104.1	450	0.008409	1	0.8409%
1962.5	11	453	4983	104.1	500	0.006877	1	0.6877%

*Requirements set forth in OET Bulletin 65. Based on NCRP Report No. 86 and ANSI/IEEE C95.1-1992

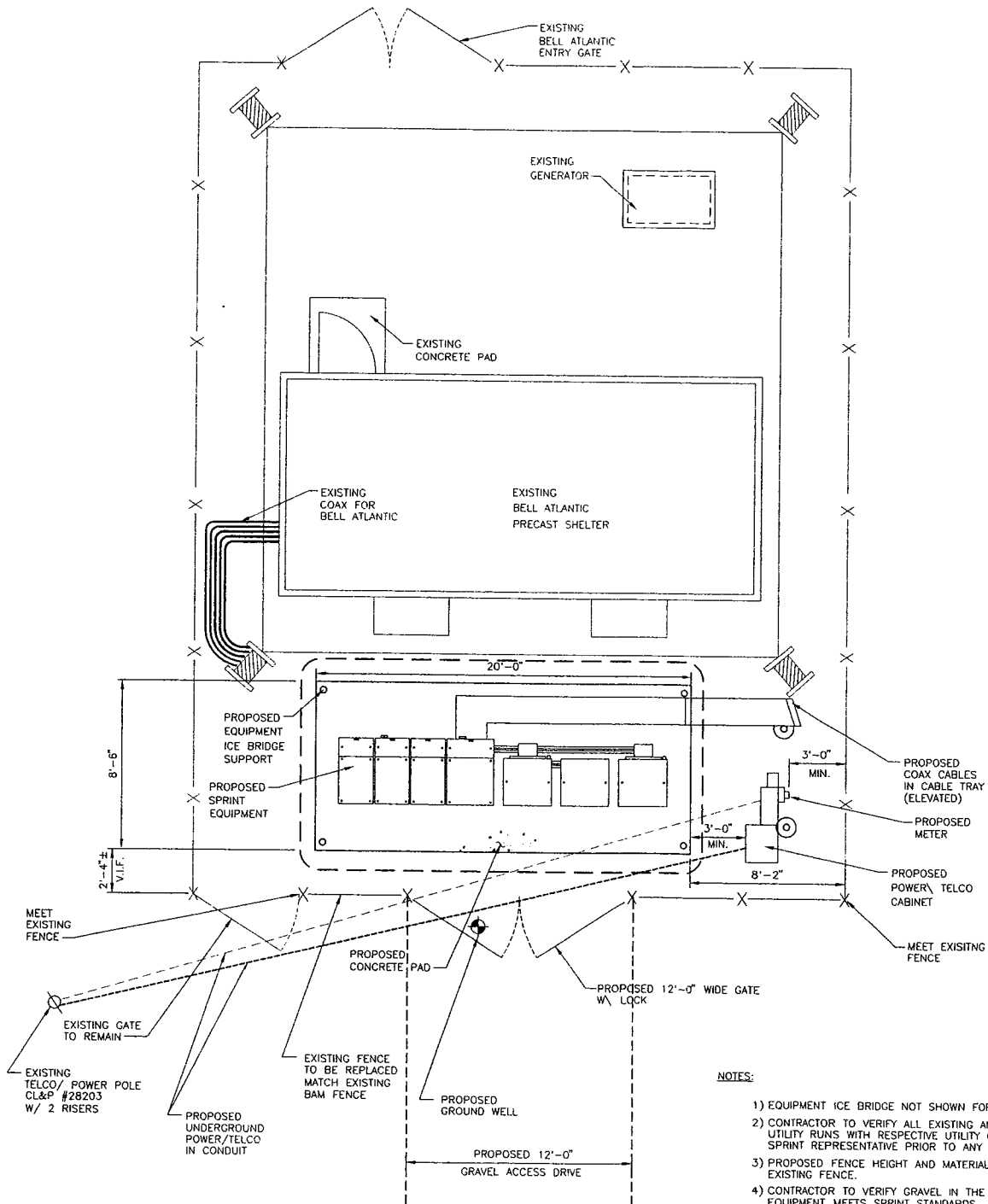
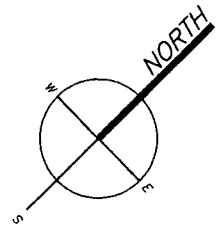
For the foregoing reasons, Sprint PCS respectfully submits that the proposed addition of Sprint PCS's antennas and equipment to the Facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

A handwritten signature in blue ink that reads "Julie M. Cashin". The signature is written in a cursive style.

Julie M. Cashin, Esq.

cc: Linda Roberts, First Selectman
Leroy Reaves, Sprint Spectrum LP



NOTES:

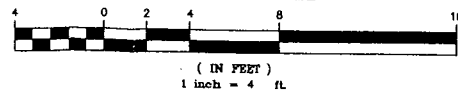
- 1) EQUIPMENT ICE BRIDGE NOT SHOWN FOR CLARITY.
- 2) CONTRACTOR TO VERIFY ALL EXISTING AND PROPOSED UTILITY RUNS WITH RESPECTIVE UTILITY COMPANIES AND SPRINT REPRESENTATIVE PRIOR TO ANY EXCAVATION.
- 3) PROPOSED FENCE HEIGHT AND MATERIALS TO MATCH EXISTING FENCE.
- 4) CONTRACTOR TO VERIFY GRAVEL IN THE AREA OF SPRINT EQUIPMENT MEETS SPRINT STANDARDS.
- 5) THE ACCESS DRIVE WILL BE USED AS A GRAVELED ANTI-TRACKING PAD.

EQUIPMENT LAYOUT PLAN

SCALE: 1" = 4'-0"

2

GRAPHIC SCALE



Crossroads Corporate Center
1 International Blvd.
8th Floor, Suite 800
Mahwah, NJ 07495

BAY STATE DESIGN

Bay State Design
Associates, Inc.
Architects • Engineers
266 Summer Street
Boston, MA 02210
Phone: 617-357-7177
Fax: 617-482-4099

PROJECT NO: 2013.017

DRAWN BY: AT

CHECKED BY: DH

CAD FILE: 565C3

SUBMITTALS

A	02/23/00 FOR SITING COUNCIL

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO SPRINTCOM SPECTRUM L.P. IS STRICTLY PROHIBITED.

A&E SEAL



Ronald J. Jackson

SITE
CT33XC565

BROAD BROOK

15 CHAMBERLAIN ROAD
BROAD BROOK, CT 06016

SHEET TITLE

COMPOUND LAYOUT

SHEET NUMBER

C-3

HURWITZ & SAGARIN LLC

March 17, 2000

Via Facsimile

Robert Erling
Staff Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RECEIVED

MAR 20 2000

CONNECTICUT
SITING COUNCIL

RE: Notice of Exempt Modification
15 Chamberlain Road
Broad Brook, Connecticut

Dear Bob:

Attached please find the zoning permit and building permit for the BAM installation on the above referenced facility. It appears that a variance was granted by the East Windsor Zoning Board of Appeals, and a building permit subsequently issued to BAM on November 15, 1995.

I have also attached the cumulative power density calculations for the above referenced facility. Please note that I can only verify the Sprint calculations as the BAM calculations were supplied by BAM.

Please call me if you have any questions.

Very truly yours,

Julie M. Cashin .

JULIE M. CASHIN
JMC/dsw
Enc.

cc: Leroy Reaves

Site Name:	CT33XC565 Broadbrook Water Tank						
Operator	Operating Frequency	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE		
	(MHz)	(feet)	(mW/cm ²)	(mW/cm ²)	(%)		
BAM	870 - 880	114	0.001396	0.583	0.2395%*		
Sprint PCS	1962.5	104	0.165536	1	16.55%		
Total Percentage of Maximum Permissible Exposure					16.79%		
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally of ANSI/IEEE C95.1-1992							
Information provided by Bell Atlantic Mobile							
MHz = Megahertz							
mW/cm ² = milliwatts per square centimeter							
ERP = Effective Radiated Power							

HRT-2077

TOWN OF EAST WINDSOR, CT

No 009161

Date 11/15/95

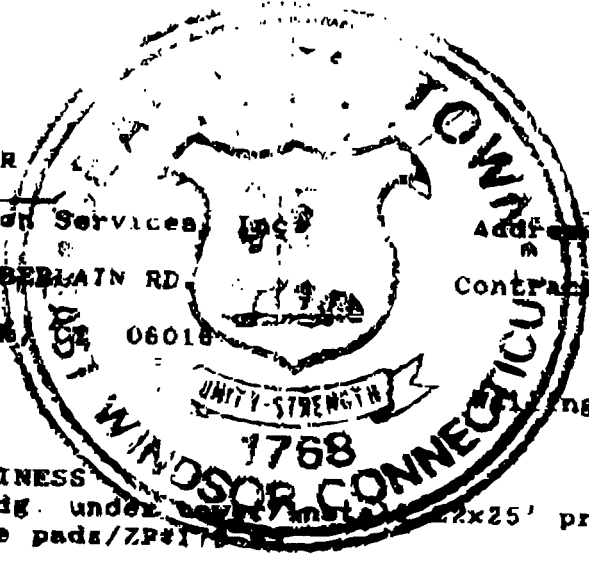
BUILDING PERMIT
Est. Cost: \$ 100,000
Fee: \$ 1,000.00

OWNER

LOCATION

Name Crop Production Services
Address 15 NE CHAMBERLAIN RD
BROAD BROOK, CT 06018

Address: 15 NE CHAMBERLAIN RD.
Contractor: METRO MOBILE
20 Alexandre Drive
Windsor, CT 06492



NEW BUSINESS
Demo bldg. under construction. 22x25' prefab bldg. &
concrete pads/ZP#17

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

M. Blago
Building Official

HURWITZ & SAGARIN LLC

RECEIVED

APR 11 2000

CONNECTICUT
SITING COUNCIL

April 10, 2000

Via Facsimile

Robert Erling
Staff Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RECEIVED

APR 11 2000

CONNECTICUT
SITING COUNCIL

RE: 15 Chamberlain Road
Broad Brook, Connecticut

Dear Bob:

You requested the latitude and longitude of the telecommunications facility that is the subject of the above referenced Siting Council acknowledgement.

To the best of Sprint's knowledge the coordinates for this water tank are: 41-53-55 N and 72-33-07 W.

Please call me if you have any questions.

Very truly yours,

Julie M. Cashin

JULIE M. CASHIN
JMC/dsw
Enc.