

7 October, 1999

Steve Levine
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RECEIVED

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**CONNECTICUT
SITING COUNCIL**

RE: TS-OCI-083-990924
1969 Saybrook Road, Middletown

Dear Mr. Levine:

Attached please find the supplemental information you requested for the above-referenced tower sharing application. Specifically, I have included the following:

1. The wattage of the existing Sprint equipment as provided in Sprint's original zoning application to the city;
2. A statement from the city's original zoning file, indicating that the tower would be designed to accommodate multiple carriers. According the Middletown Planning Office, this staff recommendation was automatically made a condition of approval for the site, as it is not the city's policy to draft a formal notice of approval with conditions, nor to post printed minutes of their meetings. While this policy is certainly unusual, we have been assured that these conditions are binding.

As discussed in Omnipoint's tower sharing application and as confirmed by Sprint's conditions of approval, this tower has been built to specifications which will accommodate multiple carriers. Prior to any construction on the site, Omnipoint's structural engineers will confirm these tower specifications, and we will be happy to provide the Council with those results upon request.

In addition, the coordinates for the site are:

**41-31-58 N
72-36-40 W**

Finally, please be advised that a copy of the application has been sent to Middletown Mayor Domenique Thornton.

If you have any additional questions, please don't hesitate to contact me.

Sincerely,



J. Brendan Sharkey, Esq.
for Omnipoint Communications, Inc.

enclosures

ITEM 5.2 (1/22/97)
Sprint Spectrum L.P.
1969 Saybrook Rd.

This is a proposal to construct a 157 foot monopole on a hill just north of the Haddam\Middletown townline. The property is located between Rt.9 and Saybrook Road just south of the Aircraft Road exit and across the street from the Coyote Blue Restaurant.

Sprint Spectrum is not considered a public utility and therefore their antennas are subject to local zoning. As the attached article indicates we may be seeing many more of these applications from this applicant and its competitors. The new personal communication services (PCS) allows uses to talk on mobil phones, transfer data, send E-mail and log on to the world wide web. PCS technology uses a lower radio frequency than traditional cellular communications, and therefore as many as five to eight antennas may be needed to cover the same area as a single cellular tower.

Sprint Spectrum should be prepared to explain their "grid plan" and provide the names and addresses of their competitors.

My greatest concern is with regard to the visual quality of our hilltops and ridgelines.

Is there any way we can force Sprint Spectrum to allow competitors to locate on their pole or will "tower farms" develop over time.

If we approve this application what precedent does it set?.

Will we be able to deny the second, third and forth pole on this property or on adjacent properties?

* In order to ensure the sharing of poles, this pole should be designed to support several companies equipment and perhaps, as a condition of approval, we can require that this pole be made available to other companies at reasonable market rates.

DEPARTMENTAL COMMENTS

Health Dept.: No Comment

Police Dept.: The Traffic Division has reviewed the above submitted plan. Based upon the information presented, there appears to be no impact upon traffic, and the Traffic Division has no objection to the proposal as submitted.

Public Works: The above application meets our minimum requirements.

Water & Sewer : City Water and sanitary sewer is not available to serve the proposed project or was it requested. The nearest city water and sanitary sewer is located at Saybrook Road and Brooks Road. This department has no objection to this proposal.

Fire Dept: The South Fire District has no objection to the proposed construction of a communication antenna, providing construction complies with all applicable Codes, standards and ordinances.

DENNY & ASSOCIATES, P.C.
CONSULTING ENGINEERS
WASHINGTON, DC

Figure 1

ENGINEERING EXHIBIT
HUMAN EXPOSURE TO
RADIO-FREQUENCY EMISSIONS
SPRINT PCS
1969 SAYBROOK ROAD SITE
MIDDLETOWN, CONNECTICUT

Tabulation of Calculated Exposure Level at Monopole Base
(General Population/Uncontrolled Exposure)

Transmitter Type	Number of Transmitters	Effective Radiated Power Per Transmitter (watts)	Operating Frequency (MHz)	Total Effective Radiated Power (watts)	Distance to Target (feet)	Calculated Power Density ^a (mW/cm ²)	Maximum Permissible Exposure ^b (mW/cm ²)	Fraction of MPE ^c (%)
PCS	33	100	1950	3300	144	0.005715	1.00	0.57

Abbreviations:

MHz = megahertz

mW/cm² = milliwatt per square centimeter

^a Calculated using EPA-recommended ground reflection coefficient of 1.6 and a vertical plane relative field factor of 0.316.

^b MPE was obtained from the *Report and Order* in FCC ET Docket Number 93-62.

^c The MPE for general population/uncontrolled exposure for the operating frequency indicated was used as a reference.