STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

June 8, 2001

Robert S. Hudd
Chief of Police and Director of Public Safety
University of Connecticut
Division of Public Safety
126 North Eagleville Road Unit 3070
Storrs, CT 06269-3070

RE: **EM-UCONN-078-010525** - University of Connecticut notice of intent to modify an existing telecommunications facility located off 83 North Eagleville Road, Storrs, Connecticut.

Dear Mr. Hudd:

At a public meeting held on June 6, 2001, 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 May 22, 2001. 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
Paul Shapiro, Assistant Attorney General
Dale Dreyfuss, Vice Chancellor for Business and Administration
Robert Vietzke, Manager, Video Services
John Murphy, General Manager, WHUS Radio

University of Connecticut
Division of Public Safety

Robert S. Hudd
Chief of Police
Director of Public Safety

EM-UCONN-078-010525

Tuesday, May 22, 2001

Joel M. Rinebold
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051
(860) 827-2950 Fax

RE: Exempt Modification for WHUS Tower at UConn

Dear Mr. Rinebold,

I am writing to request an exempt modification for two new antennas to be located on the 327' WHUS Tower at the University of Connecticut in Storrs. We believe these facilities should be considered **"modifications of an existing tower not under council jurisdiction"** by a State agency. (R.C.S.A. 16-50j-72(b)).

The existing WHUS facility consists of a 327-foot guyed tower, equipment buildings, generators and equipment pad located behind the North Campus Residence Halls, off North Eagleville Road. This WHUS complex has recently been upgraded as part of both State Public Safety and WHUS initiatives. The tower is owned by the University on State property.

The purpose of this request is to place 2 new antenna elements on the tower to enable a new 800 Mhz Public Safety Radio system for the University of Connecticut Police Department. The system consists of separate transmit and receive antennas at 180 feet high for the new 800 MHZ radio system. This system will allow the University police to both improve the coverage of their existing system and the technology of the system. This system serves a critical public safety function for the entire University community and surrounding areas.

We believe this facility should be exempted from the Siting Council pursuant to the Connecticut Siting Council regulations as follows:

- The facilities do not raise the height of the tower.

  The transmit and receive antenna for the 800 Mhz UConn Police radio system will be installed at 180 feet high on the 327 foot WHUS tower.

- The facilities do not increase the boundaries of the tower site.

  The WHUS site includes a significant fenced-in area surrounding the tower itself. These antennas protrude barely beyond the tower's current footprint and are at least 30-40 feet inside the perimeter of the site.

  Signals received and transmitted on the antennas will be processed in an existing building owned by the Connecticut State Police to the north of the tower. No new construction or additional facilities are required at the site to service the UCPD's needs.

- The facilities do not increase the noise level at the tower boundary by 6 dB.

  All of the active equipment will be located inside a building and will not generate any additional external noise. The antennas themselves are passive and do not generate any audible noise.

- The facilities do not affect the power density to levels beyond State Department of Environmental Protection standards or applicable ANSI/NCRP standards.

  Consistent with the University's long-term commitment to review and manage the tower facilities on the campus, RCC consulting has already calculated and updated a power density study, which included a worst case calculation of the Police Radio System in their calculations. The study affirmed that this new UCPD radio system was compliant with power density requirements. On page 1 of the executive summary, the study stated: "..."levels are demonstrated to be well below government established limits for continuous, safe public exposure and the site poses no harmful RF health effects to the surrounding community."

- In regards to municipal zoning and building permits (R.C.S.A. 16-50j-72 (c)), the facilities have received appropriate approvals for construction on State property.

We believe the approval of this exempt modification will serve a unique and positive public service to the University and its affiliates by improving the public safety environment at the University and in the surrounding community.

Sincerely,

Robert S. Hudd
Chief of Police and Director of Public Safety
University of Connecticut

CC: Paul Shapiro, Assistant Attorney General
Dale Dreyfuss, Vice Chancellor for Business and Administration
Rob Vietzke, Chief Systems Architect, University ITS
Martin Berliner, Town Manager, Town of Mansfield