



Federal Aviation Administration
New England Regional Office
12 New England Executive Park-ANE-520
Burlington, MA 01803

Aeronautical Study No.
2005-ANE-198-OE
Prior Study No.
1992-ANE-39-OE

Issued Date: 4/11/2005

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Warren, NJ 07059

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Antenna - Side Mount
Location:	Boston, MA
Latitude:	42-20-52.4 NAD 83
Longitude:	71-4-28.2
Heights:	193 feet above ground level (AGL) 203 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does exceed obstruction standards but would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

See attachment for additional information.

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory Circular 70/7460-1 AC 70/7460-1K.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission if the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (781)238-7523.
On any future correspondence concerning this matter, please refer to
Aeronautical Study Number 2005-ANE-198-OE.

Signature Control No: 416057-359983

(EBO)

James Powers
Specialist

Attachment(s)
Additional Information
Frequency Data

Additional Information for ASN 2005-ANE-198-OE

ELECTROMAGNETIC STANDARDS EXCEEDED:

The aeronautical study indicates that the structure exceeds the Obstruction Standards of Federal Aviation Regulations (FAR) Part 77 as follows:

Section 77.35, the proposed construction or alteration would derogate the reliability of an aeronautical air navigation facility. Harmful interference to Boston, MA RTR may exist if the proponent's equipment meets only the minimum FCC requirements. We request a minimum spurious emissions tolerance of 91 dB from the proponent's equipment within the 118-138 MHz frequency band.

This Determination of No Hazard is granted provided the following condition is adhered to:

Upon receipt of notification from the Federal Communication Commission that harmful interference is being caused by the licensee's transmitter, the licensee shall either immediately reduce the power to the point of no interference, cease operation, or take such immediate corrective action as is necessary to eliminate the harmful interference. This condition expires after one year of interference-free operation.

This determination concerns the effect of the proposal on the safe and efficient use of the navigable airspace by aircraft and does not relieve the sponsor of compliance relating to laws, ordinances, or regulations required by other governmental bodies.

Please refer to Aeronautical Study Number 2005-ANE-198-OE in any correspondence.

Frequency Data for ASN 2005-ANE-198-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
10637.5	10637.5	MHz	52.5	KW
11315	11315	MHz	3548.13	W