

APPLICATION FOR STATION LICENSE
QANTUM OF CAPE COD LICENSE COMPANY, LLC
WRZE RADIO STATION
CH 242A - 96.3 MHZ - 3.6 KW
DENNIS, MASSACHUSETTS
June 2008

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Qantum of Cape Cod License Company, LLC. ("Qantum"), licensee of radio station WRZE, Channel 242B, Nantucket, Massachusetts. Qantum also holds a construction permit to implement a change of community of license to Dennis, Massachusetts. BPH-20070119AEX authorizes the change of community of license on Channel 242B1 at a permanent site in Dennis, Massachusetts. A second construction permit (BPH-20080109AGH) is for an interim facility for WRZE as a Class A at the Dennis, Massachusetts Class B1 site, which was necessary due to the impending loss of the WRZE licensed site at Nantucket. This instant license application is to cover the interim Class A facility construction permit (BPH-20080109AGH). The Class B1 facility has not yet been constructed. Therefore, this application has no impact to the still outstanding BPH-20070119AEX. A calculation of the transmitter power output of the WRZE transmitter as a Class A facility is attached as Exhibit A.¹

Qantum recently learned that the coordinates of the tower on which the WRZE Class A facility is located did not agree with the data contained in Antenna Structure Registration Number 1007750 nor with the coordinates specified in BPH-20080109AGH. As such, the

1) The center of radiation of the WRZE Class A antenna is located 3.0 meters below the height specified in the outstanding Class A permit to accommodate other tower attachments. This variance is in compliance with §73.1690 (c)(1) of the rules.

Federal Aviation Administration was notified, and issued a revised Determination of No Hazard. The ASR has been updated to reflect the corrected data. Therefore, in addition to licensing the independent Class A facility, Qantum also corrects the coordinates of the Class A facility to bring them into agreement with the ASR.

The coordinates noted on the revised Antenna Structure Registration, when converted to NAD 1927 and rounded to the nearest second, are North Latitude 41° 43' **44"** and West Longitude 70° 10' **02"**. The coordinates listed on the WRZE Class A permit are North Latitude 41° 43' 46" and West Longitude 70° 10' 01". This reflects a difference of 2 seconds in Latitude and one second of Longitude. Therefore, pursuant to §73.1690(c)(11), the coordinates are being corrected in this instant license application. The correction will have no impact on any spacing issues as noted in the attached Exhibit B. As such, it is believed that this correction is in compliance with the rules.

There was a single special operating condition or restriction on the WRZE Class A permit. The condition states that Qantum will reduce the power of WRZE or cease operation, as needed, to insure that persons with access to the tower will not be exposed to radio frequency radiation levels in excess of the Commission's guidelines. Qantum will comply with this condition. Based on the foregoing, it is believed that WRZE Class A facility is operating in compliance with the Commission's rules.