MODIFY BPH-20011030ACE
VERO BEACH FM RADIO PARTNERSHIP
WGNX (FM) RADIO STATION
CH 259C2 - 99.7 MHZ - 50.0 KW
VERO BEACH, FLORIDA
March 2002

EXHIBIT B

Radio Frequency and Environmental Assessment

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby stations and utilizes the appropriate formulas contained in the Bulletin.

Environmental Analysis

The proposed WGNX tower does not involve the use of high intensity white lighting (strobes) in a residential neighborhood. The structure is not located in an officially designated wilderness area or wildlife preserve, nor does it threaten the existence or habitat of endangered species. The facility does not affect districts, sites, buildings, structures or objects significant in American history, architecture, archaeology, engineering or culture that are listed in the National Register of Historic Places, or are eligible for listing, nor does it affect Indian religious sites. Further, the site is not located in a floodplain and did not, to the knowledge of the applicant, require significant change in surface features (wetland fill, deforestation or water diversion) at the time of construction.

Radio Frequency Radiation Study

This radio frequency radiation study is being conducted to determine whether this proposal is in compliance with OET Bulletin Number 65, dated August 1997, regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.[1]

The WGNX antenna system is mounted with its center of radiation 83.2 meters (273.0 feet) above the ground at the tower location and operates with an effective radiated power of 50.0 kilowatts in the horizontal and vertical planes (circularly polarized). The proposed WGNX antenna will be an four bay Electronics Research, Inc., rototiller style system (FCC Type #3). At two meters, the height of an average person, above the ground at the base of the existing tower, the WGNX antenna system will contribute 0.044 mw.[2] Based on exposure limitations for a controlled environment, 4.4% of the allowable limit is reached at two meters above the ground at the base of the proposed tower. For uncontrolled environments, 22% of the limit is reached.

Since this level is below the 100% limit defined by the Commission, the WGNX facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, Vero Beach FM Radio Partnership ("Vero") will insure warning signs are posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Vero will reduce the power of the proposed

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1) The contributions of the FM facilities were calculated using the FM Model program. The actual antenna was used for all calculations.

2) This level of field occurs at 33.2 meters out from the base of the tower and is considered worst case.

facility or cease operation, in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines. Based on the above factors, this proposal is categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.