

**APPLICATION FOR
A
CONSTRUCTION
PERMIT
FCC FORM 301**

Facility Identification Number 8550

WRQK

Canton, Ohio

CHANNEL 295B – 106.9 MHz

ERP: 27.5 kW (H&V)

HAAT: 102.5 m (H&V)

APPLICANT: Cumulus Licensing Corp

February, 2004

Prepared by:



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Engineering Statement
In Support of a Application
For a Construction Permit
WRQK, Canton Ohio, Channel 295B

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ENGINEERING STATEMENT

Of

Reynolds Technical Associates

In Support of an

Application for a

Construction Permit

WRQK

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General

As broadcast technical consultants doing business as Reynolds Technical Associates (“RTA”), we have been authorized by Cumulus Licensing LLC (herein referred to as “Cumulus” as well as “The Applicant”), licensee of WRQK, Canton, Ohio, to conduct engineering studies and prepare the engineering portion of an application for a construction permit.

This instant application is seeking to relocate the transmitting facilities of WRQK. The relocation will consist of constructing a new supporting structure and replacing the FM transmitting antenna near the existing transmitting site. The new construction permit is to allow WRQK to replace its existing tower with a new tower 70 meters due east of the existing site.

The Proposed Site
(Exhibits E, Figure 1 through 5)

Exhibit E, Figure 1 is a channel spacing study for the proposed relocation, showing the facilities considered. The relocation of WRQK requires a site relocation of only 70 meters (0.07 km). Hence, the proposed change to WRQK's is almost negligible. Short spacing is increased towards only one station (WAMO). The WRQK HAAT is reduced one meter in order to prevent creating new overlap with WAMO.

The relocation of the WRQK site coordinates was taken into consideration and studies were conducted to assure the grandfathered short-spacing with WMRN, WAMO, WMVX, WEXC, WNWV licenses, and WNWV construction permit would not be aggravated. In order to keep the proposed WRQK contours completely within the current WRQK contours (thus avoiding the creation of any new overlap), the HAAT of the proposed WRQK facility is one meter lower than the licensed facility. Therefore, spacing consideration under Section 73.213 is respectfully requested. In all other respects it is believed that the instant application complies with all applicable rules and regulations of the Commission, as well as the provisions of the US-Canadian FM Broadcasting Agreement (Ottawa, February 1991). If required, it is requested that this proposal be coordinated with Canada.

Exhibit E, Figure 3 is the service contour map displaying the FCC F(50,50) 70 and 60 dBu contours of the proposed.

Exhibit E, Figure 4 is a series of maps that demonstrate that no new overlap will be created as a result of the proposed construction, as called for in §73.213(a)(i) and §73.213(a)(ii) of the FCC's rules. For some of the stations (WEXC, WMVX, and WNWV), no overlap currently exists. The proposed application does not create any new

overlap to these stations. In fact, the proposed protected and interfering contours are completely within the current licensed protected and interfering contours. Hence, no new overlap is created. In the maps of Exhibit E, Figure 4, the current WRQK contours are black, and the proposed contours are in yellow. Since the two sets of contours are so closed together, it may be difficult to differentiate between the two sets of contours.

Exhibit E, Figure 5 is a vertical sketch of the proposed supporting structure. The FAA has been notified of the change in coordinates and upon approval, the structure will be registered.

Exhibit E, Figure 6 is a copy of a portion of a 7 ½ minute USGS topographical map displaying the proposed transmitting site.

The distance to the blanketing contour is calculated to be 2.066 kilometers (1.285 miles).

Human Exposure **(No Exhibits)**

The proposed FM facility was evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with FCC guidelines for maximum permissible exposure. The RF Worksheet #1 [FCC 301 Worksheet 7 (Page 4 and 5)] was used for the evaluation.

The FM transmitting antenna for The Applicant's proposed FM broadcast station is to be placed near the top of the replacement tower. The proposed center of radiation above ground level is 102.5 meters, with an ERP of 27.5 kW (horizontal and vertical). The controlled/occupational limit, as well as the uncontrolled/general public limit is in compliance. Power density two (2) meters above ground is 0.181 mW/cm², well below the maximum allowable limit of 0.2 mW/cm² for uncontrolled/general public exposure limits as well as the 1.0 mW/cm² for controlled/occupational exposure limits

An agreement is in effect that if anyone is required to climb the tower, all facilities on the tower will either reduce power or cease operation, so as to prevent hazardous exposure to radiofrequency radiation.

Environmental Impact
(No Exhibits)

A grant of the proposed construction would not constitute a major action as defined in the Commission's Rules and Regulations.

During operation, the facility will produce no chemical or significant thermal pollution, and no ionizing radiation will be generated. Areas of high intensity radiofrequency fields will be confined to the immediate area of the transmitting antenna, far above the ground and away from any human and wildlife population.

The area is not officially designated as a wilderness area or wildlife preserve and is not pending consideration. The area has no significant value in American history, architecture, archaeology, or culture, which is listed in the Register of Historic Places, and it is not eligible for listing. It is not recognized either nationally or locally for special scenic or recreational value.

Conclusion

This statement/application has been prepared for The Applicant by utilizing the latest available information, cross-checked with the Federal Communications Commission and other sources. Therefore, it is submitted that the proposed is in compliance with the Commission's Rules and Regulations and other sources. Therefore, it is submitted that the engineering data compiled and demonstrated herein for the proposed is in compliance with Commission's Rules and Regulations at the time of this application's filing date. We welcome the opportunity to discuss with the staff of the Federal Communications

Commission the engineering data contained in this application. Should any questions arise concerning the information, please contact us.

The following pages are exhibits prepared and assembled in support of the proposed.

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Statement of the Consultants

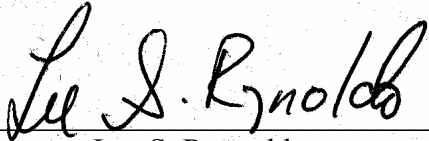
The instant engineering statement was prepared for Cumulus Licensing LLC (“The Applicant”) and supports an application for a construction permit of WRQK, Canton, Ohio. It was developed by RTA and may not be used for purposes other than submission to the Commission by The Applicant.

It may not be reproduced in its entirety, or in part, by anyone (other than from the Commission) without the written consent of RTA.

It is prepared for The Applicant under contractual agreement, and its certification by RTA is used accordingly. If The Applicant fails in its contractual obligation, RTA reserves the right to withdraw its certification.

The information in this application is compiled from the most recent Commission and outside data. RTA is not responsible for errors resulting from incorrect data or unpublished rule and procedure changes.

For RTA:



Lee S. Reynolds

February 15th, 2004

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