

FEDERAL COMMUNICATIONS COMMISSION
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WASHINGTON, DC 20554

MEDIA BUREAU
OFFICE OF BROADCAST LICENSE POLICY
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
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April 6, 2011

Liberty and Freedom Inc.
P.O. Box 523
Hillsboro, WI 54634-0523

Re: WCNF(FM), Baraboo, Wisconsin
Liberty and Freedom Inc.
Facility ID No. 166588
File No. BMPED-20110120AAM

Dear Applicant:

This is in reference to the above-captioned application for minor modification of Construction Permit BNPED-20071012AJK (the "Application") which proposes to change the authorized WCNF(FM) transmitter site, maximum effective radiated power, antenna radiation center height and directional antenna pattern.

An engineering review of the Application reveals that the proposal violates the contour protection requirements of Section 73.509(a) of the Commission's Rules.¹ Specifically, the proposal causes prohibited contour overlap to the authorized facilities of first-adjacent channel FM station WEQS(FM), channel 207C3, Sparta, Wisconsin, File No. BMPED-20100323ACR, and co-channel station WCLQ(FM), channel 208C1, Wausau, Wisconsin, File No. BLED-20040225ABB. Additionally, the proposal receives prohibited contour overlap from the authorized facilities of WCLQ(FM) and co-channel FM station WNIJ(FM), channel 208B, DeKalb, Illinois, File No. BLED-19891011KA.

Furthermore, the engineering study reveals that the directional antenna system proposed in the Application violates Section 73.510(a) of the Commission's Rules² which states that the antenna systems of noncommercial educational stations must comply with the provisions of Section 73.316 of the Commission's Rules.³ Between the azimuthal arcs of 140° True to 150° True and 170° True to 180° True, the proposed directional antenna radiation pattern varies by 2.1 dB per 10 degrees of azimuth. The applicant is using a directional antenna to prevent prohibited contour overlap within both of these azimuthal arcs. Pursuant to Section 73.316(b)(2) of the

¹ 47 C.F.R. § 73.509(a).

² 47 C.F.R. § 73.510(a).

³ 47 C.F.R. § 73.316.

Commission's Rules,⁴ directional antennas used to protect short-spaced stations and to prevent prohibited contour overlap that have a radiation pattern which varies by more than 2 dB per 10 degrees of azimuth will not be authorized.

In light of the above, application BMPED-20110120AAM is unacceptable for filing pursuant to Section 73.3566(a) of the Rules⁵ and IS HEREBY DISMISSED. This action is taken pursuant to Section 0.283 of the Rules.⁶

Sincerely,

A handwritten signature in black ink, appearing to read 'Susan N. Crawford', written in a cursive style.

Susan N. Crawford
Assistant Chief
Audio Division
Media Bureau

cc: Richard Van Zandt

⁴ 47 C.F.R. § 73.316(b)(2).

⁵ 47 C.F.R. § 73.3566(a).

⁶ 47 C.F.R. § 0.283.