

**NOSTALGIA ONE PUBLIC RADIO, INC.**

**APPLICATION FOR MINOR MODIFICATION OF NCE-FM CONSTRUCTION PERMIT, FCC FILE NUMBER BNPED-20071022BKB, Facility Id. 176846, LISBON, NEW HAMPSHIRE.**

**ENGINEERING STATEMENT**

In the Instant Application, Nostalgia One Public Radio, Inc. seeks to modify it's Construction Permit for a new NCE-FM Station on channel 209 (89.7-FM) Lisbon, New Hampshire. Facility Id. 176846 (BNPED-20071022BKB) The Applicant proposes to lower the Effective Radiated Power to enable the use of a non directional antenna, on the same site, same tower. The Applicant respectfully requests Expedited Processing in order to build the facilities this summer and begin service to the public before the permit expires December 11, 2011.

The attached Engineering Exhibits will show that this application is fully spaced to all Domestic and International Stations, Applications, and Allotments. The proposal is within 320 km of Canada, at 87.6 km distant, however there is no interfering contour that overlaps the US border.

**Exhibit 16** Shows that the proposed facility meets the Community Coverage requirements of Section 73.515., specifically it covers the entire Community of License, Lisbon, New Hampshire.

**Exhibit 18(a)**. is a Contour Protection Study showing the lack of Overlap with other stations. The proposed facility was studied with respect to all nearby possible interferees and interferors depicting the applicable service and interfering contours of all pertinent stations, permits, and applications. Contours which are not permitted to overlap under Sec. 73.509 are depicted in Orange for the F(50,10) 54 dBu, and in Green for the F(50,50) 60 dBu. As illustrated, no prohibited overlap will be created by the proposed facility.

**Exhibit 18 (b)**, Section 73.509 Frequency Separation Study (done with RadioSoft ComStudy 2.0) showing the Spacing Clearance to the pertinent co-channel and adjacent channel stations. To Save confusion for FCC Processing Staff, BNPED-20071022BKB (Facility Id. 176846) the Applicant's current Construction Permit for Lisbon, New Hampshire on channel 209, was deleted from the Frequency Separation Study. WCSH-TV, Channel 6, Portland Maine, is not included in the study as per FCC Order DA 09-2214, released October 13, 2009, stating that NCE-FM Applicants no longer need to comply with Sec. 73-525, requiring protection to "affected" TV Channel 6 Stations, that are no longer broadcasting in analog.

**Exhibit 18 (c).**, includes a map of the proposed F(50,50) 60 dBu Contour, and a tabular listing of the distance to the 60 dBu contour. Also, a Topographical Map of the Proposed Ch. 209 Transmitter Site.

**Exhibit 21.** (see attached copy of Form 387 “DTV Transition Status Report” file number BDTUCT-20090416ABN, filed by Pacific And Southern Company, Inc. Owners of WCSH-TV, which states that the station has completed it’s DTV Transition and is operating on it’s new digital channel 44, and has ceased analog transmission.

**Exhibit 23.** The Proposed Channel 209 CP Modification Proposal is located within 320 km of the Canadian border, at 87.6 km distant, but fully protects all Canadian Stations and Allotments. The F(50,10) 34 dBu Contour of the Proposal does NOT cross the International Border, and thus is in compliance with the International Treaty. The Applicant notes that the Commission already has Canadian Concurrence for this Allotment from a previous more aggressive proposal. (See Attached) (Applicant requests that the Commission keep that Coordination Letter in force, since there will likely be a subsequent upgrade proposal.)

**Exhibit 24.** R.F. Emissions Compliance Statement, and FM Model Studies. The Instant Application proposes a Transmitter site on an existing tower in Lisbon, New Hampshire, employing a Non-Directional Antenna, with .130 kw ERP at 38 Meters Above Ground Level. The Facilities will be co-located with WLTN-FM (Facility ID. 53636). No Structural changes are proposed for the tower, thus the FAA has NOT been notified, and no Environmental Hazards to humans or animals will result from this additional antenna. Note that the combined power density contribution of both existing FM Stations on the Tower, plus the proposed channel 209, only total 60-percent of the Ansi Standard.

The Current Construction Permit for channel 209 for this Applicant was not granted as the result of “Fair Distribution of Service” or “Point System Factors”, but was the result of the Applicant being a “Singleton”).

Respectfully Submitted,

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Technical Consultant  
Cupid Engineering

May 24, 2011