



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
A CONSTRUCTION PERMIT FOR A NEW
DIGITAL TELEVISION TRANSLATOR STATION
NEW - FORT KENT, MAINE
DIGITAL TRANSLATOR - CH. 16 - 3.0 kW - 68 m HAAT**

Prepared for: NEPSK, INC.

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

GENERAL

This office has been authorized by NEPSK, INC, licensee of WAGM-TV, channel 8, Presque Isle, Maine, to prepare this statement, FCC Form 346, Section III-Digital, and the associated exhibits in support of an application for a new digital translator station to serve Fort Kent, Maine, on channel 16. The applicant proposes to employ the proposed digital translator to re-broadcast WAGM-TV, channel 8, Presque Isle, Maine.

PROPOSED DIRECTIONAL ANTENNA

The applicant intends to re-purpose the antenna formerly used by WAGM-TV's pre-transition digital television operation on channel 16 in Presque Isle, a Horizontally Polarized SCA Model SL-8 directional antenna, current FCC antenna ID number 60210.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours were calculated in accordance with the method described in Section 73.684 of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the National Geophysical Data Center Thirty Second Point Database (TPG-0050) as prescribed in the FCC Rules. The antenna site elevation and coordinates were determined from the FCC CDBS. Exhibit 2 contains the predicted DTV Noise Limited (36 dBu) contour and the predicted principal community (43 dBu) contour, which entirely encompasses the principal community of license, Presque Isle, Maine.

ALLOCATION CONSIDERATIONS

Domestic allocation study

An allocation study was performed, using the Commission's application processing software to determine that the proposed digital translator facility will comply with the Commission's interference criteria in Sections 74.709, 74.793(e), (f), (g), (h), 74.794(b) and 73.1030. The study was evaluated to determine if the proposed new digital translator facility channel 16 is predicted to cause any level of new prohibited interference to any post-transition DTV stations, any current expansion construction permits, or applications for expansion CPs, or any Appendix B DTV allotments. Results indicate that the instant proposal is predicted to cause no unacceptable level of new interference to the

populations served by any existing DTV station, DTV expansion application or construction permit or any DTV allotment contained in Appendix B.

International Allocation Study

A geographic separation study was performed to determine the whether the proposed digital translator station might be predicted to cause interference to any analog or digital television facility in Canada. The study indicated that the proposal meets all separation requirements to all pertinent television facilities in Canada.

BLANKETING AND INTERMODULATION INTERFERENCE

A licensed FM station is located on the proposed tower support structure, as well as other broadcast and non-broadcast facilities located within 10 km of the proposed new digital translator site. The applicant recognizes its responsibility to remedy complaints of interference created by this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT & OCCUPATIONAL SAFETY

The proposed digital translator facility's ERP is 3.0 kW with its antenna's centerline height above ground at 32 meters. Using the methodology in OET Bulletin 65 to calculate the predicted power density at 2 meters above ground level, the result is 0.01002 milliwatts per square centimeter, or only 3.10% of the guideline for exposure in an uncontrolled environment. The predicted power density is therefore less than the 5% threshold of responsibility.

The FM station located at the site is also aware of safety precautions necessary when work is being conducted on towers at or near the site. The applicant is committed

STATEMENT OF JOHN E. HIDLE, P.E.
NEW Digital Translator - FORT KENT, MAINE
PAGE 4

to the safety of personnel working on or near the proposed transmitting antenna, and will reduce power or suspend operation as necessary to ensure the safety and protection of workers at the site.

SUMMARY

It is submitted that the instant application for a new digital television translator to serve Fort Kent, Maine on channel 16, as described herein, complies with the Rules, Regulations and Policies of the Federal Communications Commission. This statement, FCC Form 346, Section III-Digital, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: August 21, 2009

