

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WWAZ LICENSE, LLC, licensee of Television Station WWAZ-DT in Fond du Lac, Wisconsin, and permittee of a fill-in translator on Channel 15 in Ripon, Wisconsin, in support of this application for modification of Construction Permit BDRTCT-20090223ABX, to specify an increase in effective radiated power. No change in site location, antenna model or antenna height is proposed herein.

WWAZ-DT is presently authorized to operate on Channel 44 at a site near Iron Ridge, Wisconsin. The station owner filed for and was granted a Petition for Rulemaking (BPRM-20080619ALY) to move the facility to the Milwaukee antenna farm and operate on digital Channel 5. An application for that facility is pending in front of the FCC. However, a Petition for Reconsideration was filed before the Channel 5 allotment became final and a Petition to Deny the pending application filed as well. The engineering basis of the Petitions revolves around the creation of a "loss area" that would be created along the western and northwestern edge of analog WWAZ-TV Grade B service contour by the digital station's move to the antenna farm. A grant of the instant proposal would allow this translator to place a predicted service contour over the northern half of the loss area.

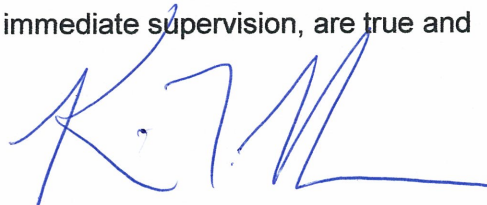
It is still proposed to mount a standard ERI (Andrew) directional antenna at the 100-meter level of the existing 129-meter communications tower. Exhibit B is a map upon which the new predicted service contours are plotted. It is important to note that the proposed 51 dBu contour encompasses the station's city of license. Exhibit C depicts the coverage of the proposed translator with respect to the WWAZ-TV loss area.

EXHIBIT A

Operating parameters for the proposed facility are tabulated in Exhibit D. An interference study is provided in Exhibit E, and a revised power density calculation follows as Exhibit F.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1035940 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER

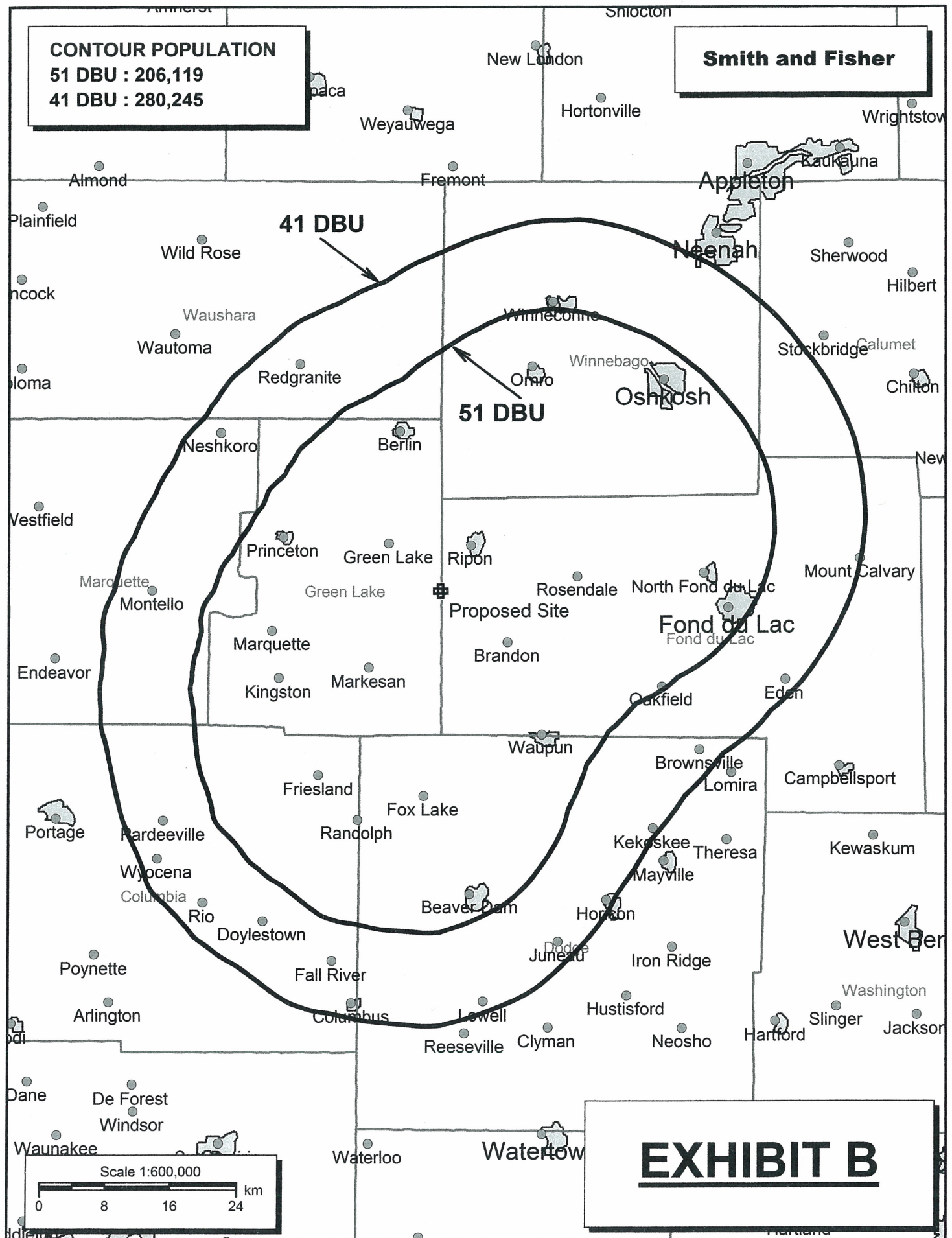
January 3, 2011

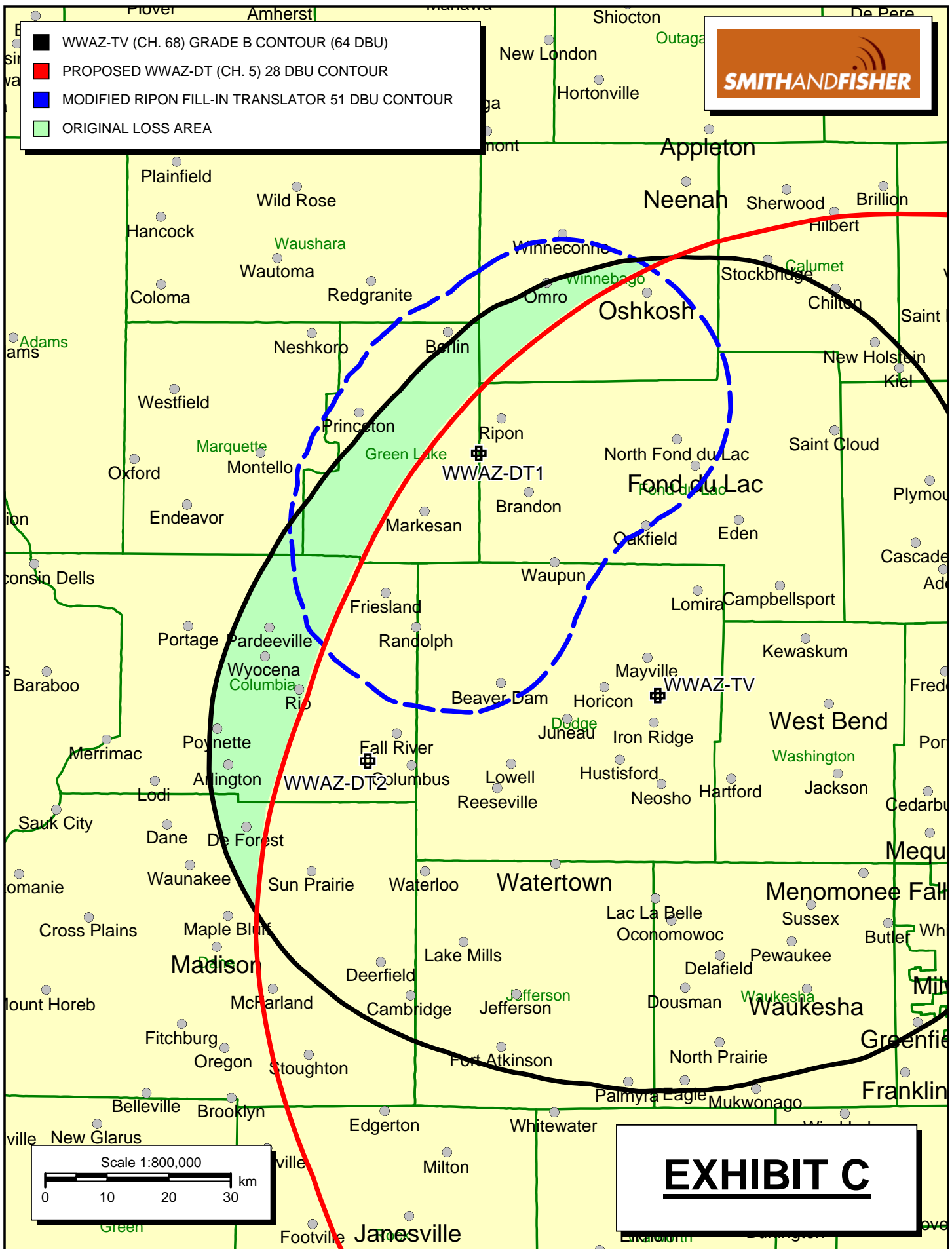
CONTOUR POPULATION

51 DBU : 206,119

41 DBU : 280,245

Smith and Fisher





PROPOSED OPERATING PARAMETERS

PROPOSED FILL-IN TRANSLATOR
CHANNEL 15 - RIPON, WISCONSIN

[MODIFICATION OF BDRTCT-20090223ABX]

Transmitter Power Output:	0.41 kw
Transmission Line Efficiency:	68.7%
Antenna Power Gain – Toward Horizon:	24.89
Antenna Power Gain – Main Lobe:	24.89
Effective Radiated Power – Toward Horizon:	7.0 kw
Effective Radiated Power – Main Lobe:	7.0 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	350 feet*
Antenna Make and Model:	ERI ALP8LI-HSBR
Orientation	130° T
Beam Tilt	0.5 degrees
Radiation Center Above Ground:	100 meters
Radiation Center Above Mean Sea Level:	429 meters

*estimated

EXHIBIT E-1

LONGLEY-RICE INTERFERENCE STUDY
PROPOSED FILL-IN TRANSLATOR
CHANNEL 15 – RIPON, WISCONSIN
[MODIFICATION OF BDRTCT-20090223ABX]

We conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 1-square kilometer cell size, calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 2000 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than that proposed herein) already is predicted to exist (also known as "masking"). A summary of the results of this study is provided in Exhibit E-2. It concludes that the facility proposed herein causes no significant new interference to any of the potentially affected full-power or low-power analog or digital (pre-transition or post-transition) television stations.

As a result, it is believed that the proposed facility complies with the requirements of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the Commission's Rules.

Summary Study

1990 Census data selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-11-2005

Time: 08:54:43

Record Selected for Analysis

RIPON SI USERRECORD-01 OSHKOSH WI US
 Channel 15 ERP 7. kW HAAT 147. m RCAMSL 00429 m SIMPLE MASK
 Latitude 043-47-31 Longitude 0088-52-54
 Status APP Zone 1 Border
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth
 130.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	0.557	145.1	29.5
45.0	5.384	140.3	40.8
90.0	4.097	129.2	38.7
135.0	0.464	127.8	27.4
180.0	5.964	144.5	41.6
225.0	3.844	140.1	39.1
270.0	0.312	166.9	27.9
315.0	0.140	180.8	24.7

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

To CHICAGO IL Channel 15 from Channel 15
 Required separation 250.0 km Actual 236.0 km Short 14.0 km
 Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
15	RIPON SI	OSHKOSH WI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
14	WXOW-TV	LA CROSSE WI	199.4	CP MOD	BMPCDT	-
20080619AEF						
14	WIWB	SURING WI	115.8	LIC	BLCT	-
19980622KF						
15	KYOU-TV	OTTUMWA IA	383.0	CP MOD	BMPCDT	-
20080620AIS						
15	KYOU-TV	OTTUMWA IA	383.0	LIC	BLCT	-
19960528KO						
15	WXSP-CA	GRAND RAPIDS MI	267.9	LIC	BLTT	-
19910507JJ						
15	WXSP-CA	GRAND RAPIDS MI	267.9	CP	BDFCDTA	-
20060330AGO						
15	WXSP-CA	GRAND RAPIDS MI	267.9	APP	BMPDTA	-
20080804ADS						
15	W15BP	PINCONNING MI	384.1	LIC	BLTTL	-
20030609AAR						
15	W15BM	TRAVERSE CITY MI	276.4	APP	BPTTL	-
20040407ABB						
15	W15BM	TRAVERSE CITY MI	275.9	LIC	BLTTL	-
20001212AAE						
15	KSMQ-TV	AUSTIN MN	331.2	LIC	BMLET	-
20041214ADY						
15	WQOW-TV	EAU CLAIRE WI	234.1	CP MOD	BMPCDT	-
20041001AOM						
16	WTVO	ROCKFORD IL	168.9	LIC	BLCDT	-
20021024AAS						
16	W29DJ	SHEBOYGAN WI	91.2	CP	BDFCDTT	-
20060329AEI						
16	W16AY	WHITING WI	104.5	LIC	BLTTL	-
20001213ABK						
17	W17CF	OSHKOSH WI	41.4	LIC	BLTT	-
19990608JA						
18	WTVV	MILWAUKEE WI	110.4	LIC	BLCT	-
19870804KE						
22	960920YL	GREEN BAY WI	71.0	APP	BPCT	-
19960920YL						
23	W23BW	MADISON WI	95.3	LIC	BLTTA	-
20031125AAQ						
23	W23BW	MADISON WI	95.3	APP	BPTTA	-
20030326AHF						

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Study of this proposal found the following interference problem(s):

NONE.

EXHIBIT F

POWER DENSITY CALCULATION
PROPOSED FILL-IN TRANSLATOR
CHANNEL 15 - RIPON, WISCONSIN
[MODIFICATION OF BDRTCT-20090223ABX]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Ripon facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 7.0 kw, an antenna radiation center 100 meters above ground, and the vertical pattern of the MCI antenna, maximum power density two meters above ground of 0.0014 mw/cm^2 is calculated to occur 40 meters northeast and southwest of the base of the tower. Since this is only 0.5 percent of the 0.32 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 15 (476-482 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.