

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0029 (December 2008)	FOR FCC USE ONLY
FCC 340		
APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL NONCOMMERCIAL EDUCATIONAL BROADCAST STATION		FOR COMMISSION USE ONLY FILE NO. BMPED - 20100603AAS
Read INSTRUCTIONS Before Filling Out Form		

Section I - General Information

1.	Legal Name of the Licensee/Permittee MINNESOTA PUBLIC RADIO	
	Mailing Address 480 CEDAR STREET	
	City ST. PAUL	State or Country (if foreign address) MN
	Zip Code 55101 -	
	Telephone Number (include area code) 6512901259	E-Mail Address (if available) FCCFILING@MPR.ORG
	FCC Registration Number: 0002642510	Call Sign KRFI
		Facility Identifier 173553
2.	Contact Representative (if other than licensee/Permittee) TODD M STANSBURY	Firm or Company Name WILEY REIN LLP
	Mailing Address 1776 K STREET NW SUITE 500	
	City WASHINGTON	State or Country (if foreign address) DC
	ZIP Code 20006 -	
	Telephone Number (include area code) 2027194948	E-Mail Address (if available) TSTANSBURY@WILEYREIN.COM
3.	Is this application being filed in response to a window? If Yes, specify closing date and/or window number:	<input type="radio"/> Yes <input checked="" type="radio"/> No
4.	Application Purpose	
	<input type="radio"/> New station	
	<input type="radio"/> Major Change in licensed facility	
	<input type="radio"/> Minor Change in licensed facility	
	<input type="radio"/> Major Modification of construction permit	
	<input checked="" type="radio"/> Minor Modification of construction permit	
	<input type="radio"/> Major Amendment to pending application	
	<input type="radio"/> Minor Amendment to pending application	
	(a) File number of original construction permit: BMPED-20081212ABI	
	(b) Service Type: <input checked="" type="radio"/> FM <input type="radio"/> TV <input type="radio"/> DTV <input type="radio"/> DTS	
	(c) DTV Type: <input type="radio"/> Pre-Transition <input type="radio"/> Post-Transition <input type="radio"/> Both	
	(d) Community of License:	
	City: REDWOOD FALLS	State: MN
	(e) Facility Type <input checked="" type="radio"/> Main <input type="radio"/> Auxiliary	
	If an amendment, submit as an Exhibit a listing by Section and Question Number the portions of the pending application that are being revised. [Exhibit 1]	

NOTE: The failure to include an explanatory providing full particulars in connection with a "No" response may result in dismissal of the application. See Instructions, paragraph L for additional information regarding completion of explanatory exhibits.

SECTION II - Legal and Financial

1.	<p>Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
2.	<p>Eligibility. Each application must answer "Yes" to one and "No" to two of the three following certifications. An applicant should not submit an explanatory exhibit in connection with these Question 2 "No" responses.</p> <p>The applicant certifies that it is:</p> <p>a. a nonprofit educational institution; or</p> <p>b. a governmental entity other than a school; or</p> <p>c. a nonprofit educational organization, other than described in a. or b.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
3.	<p>For applicants checking "Yes" to question 2(c) and applying for a new noncommercial educational television station only, the applicant certifies that the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural, and civic segments of the principal community to be served.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> N/A</p>
4.	<p>a. The applicant certifies that the Commission has previously granted a broadcast application identified here by file number that found this applicant qualified as a noncommercial educational entity with a qualifying educational program, and that the applicant will use the proposed station to advance a program similar to that the Commission has found qualifying in applicant's previous application.</p> <p>b. Applicants who answered "No" to Question 4(a), must include an exhibit that describes the applicant's educational objective and how the proposed station will be used to advance an educational program that will further that objective according to 47 C.F.R. Section 73.503 (for radio applicants) and 47 C.F.R. Section 73.621 (for television applicants).</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>FCC FileNumber</p> <p>-</p> <p>[Exhibit 2]</p>
5.	<p>The applicant certifies that its governing documents (e.g., articles of incorporation, by-laws, charter, enabling statute, and/or other pertinent organizational document) permit the applicant to advance an educational program and that there is no provision in any of those documents that would restrict the applicant from advancing an educational program or complying with any Commission rule, policy, or provision of the Communications Act of 1934, as amended.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
6.	<p>a. Parties to the Application. List separately each party to the application including, as applicable, the applicant, its officers, directors, five percent or greater stockholders, non-insulated partners, members, and all other persons and entities with attributable interests. If another entity hold an attributable interest in the applicant, list separately, as applicable, its officers, directors, five percent or greater stockholders, non-insulated partners, and board members. Create a separate row for each individual or entity. Attach additional pages if necessary.</p> <p>[Enter Parties/Owners Information]</p> <p>_____</p> <p>_____</p> <p>b. Applicant certifies that equity and financial interests not set forth above are non-attributable pursuant to 47 C.F.R. Section 73.3555 and that there are no agreements or understandings with any non-party that would give influence over the applicant's programming, personnel, or finances to that non-party.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 3]</p>

7.	Other Authorizations. List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest pursuant to the notes to 47 C.F.R. Section 73.3555.	<input type="checkbox"/> N/A [Exhibit 4]
8.	Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with: a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or b. any pending broadcast application in which character issues have been raised.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 5]
9.	Adverse Findings. Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination. If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 6]
10.	Alien Ownership and Control. Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 7]
11.	Program Service Certification. Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input type="radio"/> Yes <input type="radio"/> No
12.	Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.	<input type="radio"/> Yes <input type="radio"/> No
13.	Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="radio"/> Yes <input type="radio"/> No
14.	Equal Employment Opportunity (EEO). If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A

QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.

15.	Financial. The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue. If "No" to 15., answer question 16. and 17.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]
16.	Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration?	<input type="radio"/> Yes <input type="radio"/> No
17.	Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision?	<input type="radio"/> Yes <input type="radio"/> No

NOTE: If Yes to 16. or 17., the application cannot be granted unconditionally until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on the applicant's part is required. If the applicant relies on funds from a source specified in Question 17., **the applicant must advise the**

Commission when the funds are committed or appropriated. This should be accomplished by letter amendment to the application. Applicants should take note that the Commission's construction period is not considered "tolled" by funding difficulties and that any permit granted conditionally on funding will expire if the station is not constructed for any reason, including lack of funding.

QUESTIONS 18 AND 19 DO NOT APPLY TO APPLICATIONS FOR NEW STATIONS. APPLICANTS FOR NEW FM STATIONS CAN PROCEED TO SECTION III. APPLICANTS FOR NEW TV STATIONS CAN PROCEED TO SECTION IV.

Holding Period.

18.	Applicant certifies that this application does not propose a modification to an authorization that was awarded on the basis of a preference for fair distribution of service pursuant to 47 U.S.C. Section 307(b). If "No," answer a. and b. below. If applicant answers "No" to 18. above and cannot answer "Yes" to either a. or b. below, the application is unacceptable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
	a. Applicant certifies that the proposed modification will not downgrade service to the area on which the Section 307(b) preference was based.	<input type="radio"/> Yes <input type="radio"/> No
	b. Applicant certifies that although it proposes to downgrade service to the area on which the Section 307(b) preference was based, applicant has provided full service to that area for a period of four years of on-air operations.	<input type="radio"/> Yes <input type="radio"/> No
19.	Applicant certifies that this application does not propose a modification to an authorized station that received a credit for superior technical parameters under the point system selection method in 47 C.F.R. Section 73.7003. If "No," applicant must be able to answer "Yes" to a. below or provide an exhibit that makes a compelling showing that the downgrade would be in the public interest.	<input checked="" type="radio"/> Yes <input type="radio"/> No
	a. Applicant certifies that the population and area within the proposed service contour (60 dBu (FM) or grade B (TV)) are greater than or equivalent to those authorized.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 9]

Section III

Fair Distribution of Service Pursuant to 47 U.S.C. Section 307(b) (New and Major Changes to FM Radio Only) (Other applicants can proceed to Section IV).

1.	Applicant certifies that the proposed station will provide a first noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 10]
2.	Applicant certifies that the proposed station will provide a second noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 11]

Section IV Point System Factors - New and Major Change Applications Only (used to select among mutually exclusive radio and television applications for new stations and major modifications) **NOTE:** Applicants will not receive any additional points for amendments made after the close of the application filing window.

1.	<p>Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<input type="radio"/> Yes <input type="radio"/> No
2.	<p>Diversity of Ownership: (a) Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized station (comparing radio and television to television, including non-fill-in translator stations other than those identified in 2(b) below) in which any party to the application has an attributable interest as defined in 47</p>	<input type="radio"/> Yes <input type="radio"/> No

<p>C.F.R. Section 73.3555, that its governing documents require that such diversity be maintained, and that it has placed documentation of its diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	
<p>(b) Is the application's certification to 2(a) based on its exclusion of translator station(s) that will be replaced with a full service station pursuant to the authorization requested here?</p> <p>If Yes, applicant must include an exhibit identifying the translator station authorization for which it will request cancellation upon commencement of operation of the proposed full service station (i.e., upon its filing of a license application and receipt of program test authority).</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 12]</p>
<p>3. State-wide Network: Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above: (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>4. Technical Parameters: Applicant certifies that the numbers in the boxes below accurately reflect the new area and population that its proposal would serve with a 60 dBu (FM) or Grade B (TV) signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) (FM) and 73.683(TV) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude any area already within the station's existing service area). (Points, if any, will be determined by FCC)</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>New area served in square kilometers (excluding areas of water):</p>	
<p>Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:</p>	

SECTION V - Tie Breakers - New and Major Change Applications Only (used to choose among competing radio and television applications receiving the same number of points in Section IV)

<p>1. Existing Authorizations. By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of relevant broadcast station authorizations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV (2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of commercial and non-commercial licenses and construction permits)</p>
<p>2. Pending Applications. By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of pending applications for new or major changes to relevant broadcast stations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV(2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial, and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of pending commercial and non-commercial applications)</p>

Section VI -- Certification

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

<p>Typed or Printed Name of Person Signing THOMAS J. KIGIN</p>	<p>Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT</p>
<p>Signature</p>	<p>Date 6/2/2010</p>

Section VII Preparer's Certification

I certify that I have prepared Section VII (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name MICHAEL HENDRICKSON		Relationship to Applicant (e.g., Consulting Engineer) RADIO NETWORK ENGINEERING MANAGER	
Signature		Date 6/2/2010	
Mailing Address MINNESOTA PUBLIC RADIO 480 CEDAR STREET			
City ST PAUL		State or Country (if foreign address) MN	Zip Code 55101-
Telephone Number (include area code) 6512901500		E-Mail Address (if available) MHENDRICKSON@MPR.ORG	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Section VII - FM Engineering	
TECHNICAL SPECIFICATIONS	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
TECH BOX	
1.	Channel Number: 201
2.	Class (select one): <input type="radio"/> D <input checked="" type="radio"/> A <input type="radio"/> B1 <input type="radio"/> B <input type="radio"/> C3 <input type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C0 <input type="radio"/> C
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 44 Minutes 32 Seconds 28 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 95 Minutes 10 Seconds 58 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Proposed Assignment Coordinates: (NAD 27) - RESERVED CHANNELS ABOVE 220 ONLY <input checked="" type="checkbox"/> Not Applicable Latitude: Degrees Minutes Seconds <input type="radio"/> North <input type="radio"/> South Longitude: Degrees Minutes Seconds <input type="radio"/> West <input type="radio"/> East
5.	Antenna Structure Registration Number: 1009336 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
6.	Overall Tower Height Above Ground Level: 67 meters
7.	Height of Radiation Center Above Mean Sea Level: 359.9 meters(H) 359.9 meters(V)
8.	Height of Radiation Center Above Ground Level: 40 meters(H) 40 meters(V)
9.	Height of Radiation Center Above Average Terrain: 46.6 meters(H) 46.6 meters(V)
10.	Effective Radiated Power: 0.36 kW(H) 0.36 kW(V)
11.	Maximum Effective Radiated Power: <input checked="" type="checkbox"/> Not Applicable kW(H) kW(V) (Beam-Tilt Antenna ONLY)
12.	Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional) Rotation (Degrees): <input type="checkbox"/> No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0		10		20		30		40		50	
60		70		80		90		100		110	
120		130		140		150		160		170	
180		190		200		210		220		230	
240		250		260		270		280		290	
300		310		320		330		340		350	
Additional Azimuths											

[Relative Field Polar Plot](#)

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

AUXILIARY ANTENNA APPLICANTS ARE NOT REQUIRED TO RESPOND TO ITEMS 13-17. PROCEED TO ITEM 18.

13. **Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1125. Yes No
See Explanation in [Exhibit 13]

14. **Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315. (Channels 221 and above) or 47 C.F.R. Section 73.515 (Channels 220 and below). Yes No
See Explanation in [Exhibit 14]

15. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all that apply: Yes No
See Explanation in [Exhibit 15]

Contour Overlap Requirements.

a. 47 C.F.R. Section 73.509 **Exhibit Required.** [Exhibit 16]

Spacing Requirements.

b. 47 C.F.R. Section 73.207 with respect to station(s)

Grandfathered Short-Spaced.

c. 47 C.F.R. Section 73.213(a) with respect to station(s) **Exhibit Required.** [Exhibit 17]

Contour Protection.

d. 47 C.F.R. Section 73.215(a) with respect to station(s) **Exhibit Required.** [Exhibit 18]

Television Channel 6 Protection.

e. 47 C.F.R. Section 73.525 with respect to station(s) **Exhibit Required.** [Exhibit 19]

16. **Reserved Channels Above 220.**

a. **Availability of Channels.** The proposed facility complies with the assignment requirements of 47 C.F.R. Section 73.203. Yes No
See Explanation in [Exhibit 20]

17. **International Borders.** The proposed antenna location is not within 320 kilometers of the common border between the United States and Canada or Mexico. Yes No
 Canada
 Mexico
[Exhibit 21]

If "No," specify the country and provide an exhibit of compliance with all provisions of the relevant International Agreement.

18.	<p>Environmental Protection Act. The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Worksheet #7, an Exhibit is required.</p> <p>By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p>	<p style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p style="text-align: right;">See Explanation in [Exhibit 22]</p>
19.	<p>Community of License Change - Section 307(b). If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change comports with the fair distribution of service policies underlying Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)).</p> <p>An exhibit is required unless this question is not applicable.</p>	<p style="text-align: right;"><input type="radio"/> Yes <input type="radio"/> No</p> <p style="text-align: right;"><input checked="" type="radio"/> N/A</p> <p style="text-align: right;">[Exhibit 23]</p>
PREPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.		

Exhibits

Exhibit 13

Description: MAIN STUDIO LOCATION

MINNESOTA PUBLIC RADIO REQUESTED AND WAS GRANTED A WAIVER TO SECTION 73.1125 IN THE ORIGINAL CONSTRUCTION PERMIT (BNPED-20071016AHN AS MODIFIED BY BMPED-20081212ABI) TO OPERATE AS A SATELLITE STATION OF KNOW, ST. PAUL, MN. MPR RESPECTFULLY REQUESTS A CONTINUATION OF THAT WAIVER.

Attachment 13

Exhibit 14

Description: COMMUNITY COVERAGE

THE COMMUNITY OF LICENSE, REDWOOD FALLS, MN IS COMPLETELY ENCOMPASSED BY THE 60 DBU CONTOUR OF THE PROPOSED FACILITY. ATTACHED IS AN EXHIBIT SHOWING BOTH THE PROPOSED CONTOUR AND THE EXISTING FACILITY CONTOUR FOR REFERENCE. ALSO ATTACHED, AS PAGE 2, IS A TABLE OF DISTANCES TO THE 60 DBU CONTOUR ALONG EACH OF THE 8 RADIALS OF THE PROPOSED FACILITY.

Attachment 14

Description
KRFI-New Contour Map
Distance to Contours Chart

Exhibit 16

Description: CONTOUR OVERLAP REQUIREMENTS

PLEASE SEE ATTACHED EXHIBIT

Attachment 16

Description

[Exhibit 16 Channel Study](#)

[HOW TO READ THE FM COMPUTER PRINT-OUT](#)

[Contour Overlap Map](#)

Exhibit 19

Description: TELEVISION CHANNEL 6 PROTECTION

THERE ARE NO TELEVISION CHANNEL 6 STATIONS WITHIN THE 265 KILOMETER CUTOFF DISTANCE FOR FM STATIONS ON CHANNEL 201.

Attachment 19

Exhibit 22

Description: ENVIRONMENTAL PROTECTION ACT

MINNESOTA PUBLIC RADIO HAS DETERMINED BY USE OF THE RF WORKSHEET THAT THIS SITE DOES COMPLY WITH THE MAXIMUM PERMISSIBLE RF EXPOSURE LIMITS FOR BOTH CONTROLLED AND UNCONTROLLED ENVIRONMENTS.

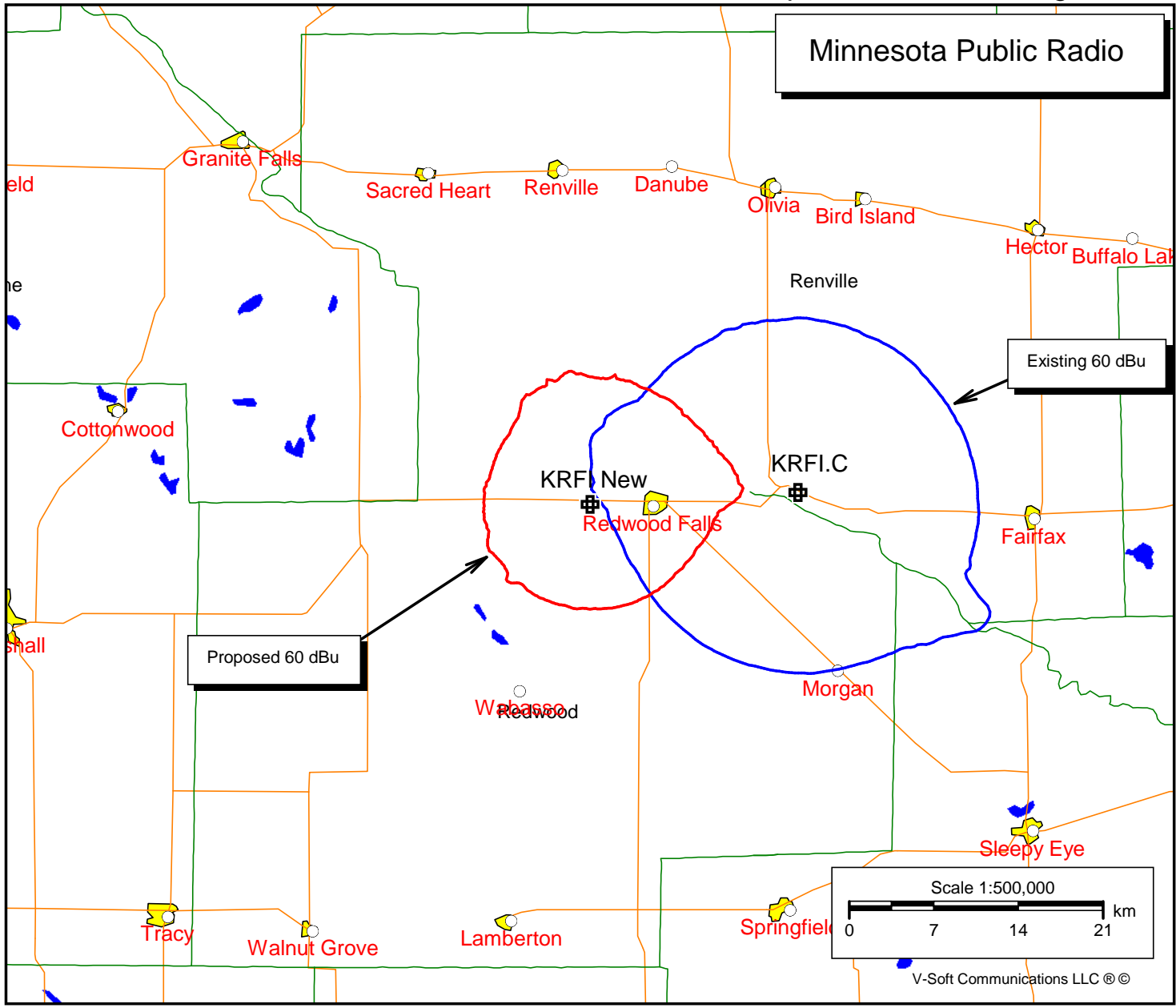
MPR ALSO PROPOSES THE USE OF AN EXISTING REGISTERED TOWER BUILT IN 1994. SINCE THE TOWER WAS BUILT PRIOR TO MARCH 16, 2001, FURTHER ENVIRONMENTAL STUDY WAS DEEMED UNNECESSARY.

Attachment 22

KRFI New Proposed 60 dBu Change Area

KRFI New
 Latitude: 44-32-28 N
 Longitude: 095-10-58 W
 ERP: 0.36 kW
 Channel: 201
 Frequency: 88.1 MHz
 AMSL Height: 359.9 m
 Elevation: 319.9 m
 Horiz. Pattern: Omni
 Vert. Pattern: No

KRFI.C
 BMPED20081212ABI
 Latitude: 44-32-59 N
 Longitude: 094-58-00 W
 ERP: 0.33 kW
 Channel: 201
 Frequency: 88.1 MHz
 AMSL Height: 428.3 m
 Elevation: 306.3 m
 Horiz. Pattern: Omni
 Vert. Pattern: No



Call Letters: KRFI New
Latitude: 44-32-28 N
Longitude: 095-10-58 W
ERP: 0.36 kW
Channel: 201
Frequency: 88.1 MHz
AMSL Height: 359.9 m
Elevation: 319.9 m
HAAT: 46.6 m
Horiz. Antenna Pattern: Omni
Vert. Elevation Pattern: No

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
FCC Matching HAAT Calculation Used
Field Strength: 60.00 dBuV/m

Primary Terrain: NED 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	10.5	53.5
45.0	10.8	55.9
90.0	11.5	65.6
135.0	9.1	40.5
180.0	8.7	37.2
225.0	9.2	41.5
270.0	8.7	37.9
315.0	9.1	40.5

Average HAAT for radials shown: 46.6 m

Minnesota Public Radio

Minnesota Public Radio

KRFI New

REFERENCE
44 32 28.0 N.
95 10 58.0 W.

CH# 201A - 88.1 MHz, Pwr= 0.36 kW, HAAT= 46.6 M, COR= 359.9 M
Average Protected F(50-50)= 9.79 km
Omni-directional

DISPLAY DATES
DATA 06-01-10
SEARCH 06-01-10

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
201A Redwood Falls	KRFI	CP	_CX MN	86.7 266.9	17.2 BMPED20081212ABI	44 32 59.0 94 58 00.0	0.330 121	53.1 428	16.3 Minnesota Public Radio	-48.3*<	-41.9<
201C2 St. Cloud	KVSC	LIC	_VN MN	34.2 214.9	131.8 BLED19921103KB	45 31 00.0 94 13 52.0	16.500 136	107.6 463	38.6 St. Cloud State University	13.5	56.6
201A Fairmont	KRLP	CP	_CX MN	152.0 332.5	115.2 BPED20090831ADE	43 37 27.0 94 30 42.0	2.700 122	77.6 486	25.5 Educational Media Foundati	28.7	60.0
201A Windom	KRLP	LIC	_CX MN	180.0 360.0	73.0 BLED20081105ABP	43 53 03.0 95 10 56.0	0.040 118	29.1 555	8.7 Educational Media Foundati	35.3	35.4
202A New Ulm	KJTS	LIC	_CX MN	116.9 297.4	66.5 BLED20100511ABT	44 16 07.0 94 26 21.0	2.400 29	19.4 327	13.2 Minn-iowa Christian Broadc	37.6	40.1
203C2 Appleton	KNCM	LIC	_CN MN	317.5 136.9	95.0 BLED19970131KC	45 10 03.0 96 00 02.0	34.000 172	5.8 479	51.3 Minnesota Public Radio	80.1	42.4
204C3 Saint Peter	1198410	APP	DVX MN	98.3 279.0	78.9 BNPED20071022AOE	44 26 03.1 94 12 06.1	20.000 75	3.2 375	31.7 Southern Minnesota Catholi	65.5	45.9

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtlt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

HOW TO READ THE FM COMPUTER PRINT-OUT

Full Service Stations

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "IN " is the difference in kilometers between of the reference station's protected contour and the data file station's interference contour at the closest point between the contours. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, "IN" column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. Listed antenna heights and power are those given in the FCC database. The column labeled "OUT " shows the greatest distance in kilometers of overlap or smallest of clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap.

Under the "AZI" column, the first row of numbers indicate the True North bearings from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships, some channel-six TV relationships and relationships with commercial channel stations providing clearance the minimum spacings values the "IN" and "OUT" columns can change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** (or lack of it) in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The call letters of stations meeting the minimum separation distances under the rules will be flagged by the characters "<<" appended to the right-hand side of the call sign. The "^" character appended to the call sign means the station has been "max-classed" according to the provisions of section 73.525 of the Rules.

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.

Minnesota Public Radio
KRFI New

FMCommander Full Allocation Study - NED 03 SEC

06-01-2010

KRFI.C CH 201 A

Lat= 44 32 28.0, Lng= 95 10 58.0

0.36 kW 46.6 M HAAT, 359.9 M COR

