

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0405 (March 2001)	FOR FCC USE ONLY
<b>FCC 349</b>		
<b>APPLICATION FOR AUTHORITY TO CONSTRUCT OR          MAKE CHANGES IN AN FM TRANSLATOR OR FM          BOOSTER STATION</b>		FOR COMMISSION USE ONLY FILE NO. BMPFT - 20070227ACV
Read INSTRUCTIONS Before Filling Out Form		

**Section I - General Information**

1. Legal Name of the Applicant 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 K245AK	Facility Identifier 152818					
2. Contact Representative (if other than Applicant) 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. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)							
4. Facility information: a. <input checked="" type="radio"/> FM Translator <input type="radio"/> FM Booster b. Community or communities to which the proposed facility will be licensed:							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; text-align: center;">Community(ies)</td> <td style="width: 40%; text-align: center;">State</td> </tr> <tr> <td style="text-align: center;">REDWOOD FALLS</td> <td style="text-align: center;">MN</td> </tr> </table>				Community(ies)	State	REDWOOD FALLS	MN
Community(ies)	State						
REDWOOD FALLS	MN						
5. <b>Application Purpose</b> <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: If an amendment, <b>submit as an Exhibit</b> a listing by Section and Question Number the portions of the pending application that are being revised.							
			BNPFT-20030822AHN [Exhibit 1]				

**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. See General Instruction J.**

**Section II - Legal**

<p>1. <b>Certification.</b> 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>												
<p>2. Applicant is:</p> <table border="1" style="width: 100%;"> <tr> <td><input type="radio"/> an individual</td> <td><input type="radio"/> a general partnership</td> <td><input type="radio"/> a for-profit corporation</td> </tr> <tr> <td><input type="radio"/> a limited partnership</td> <td><input checked="" type="radio"/> a not-for-profit corporation</td> <td><input type="radio"/> a limited liability company (LLC/LC)</td> </tr> <tr> <td colspan="3"><input type="radio"/> other</td> </tr> <tr> <td colspan="2">a. If "other", describe nature of applicant in an Exhibit.</td> <td>[Exhibit 2]</td> </tr> </table>		<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation	<input type="radio"/> a limited partnership	<input checked="" type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)	<input type="radio"/> other			a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]
<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation											
<input type="radio"/> a limited partnership	<input checked="" type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)											
<input type="radio"/> other													
a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]											
<p>3. a. Applicant certifies that it is not the licensee or permittee of the commercial primary station being rebroadcast and that neither it nor any parties to the application have any interest in or connection with the commercial primary station being rebroadcast? See 47 C.F.R. Section 74.1232(d).</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A                  See Explanation in [Exhibit 3]</p>												
<p>b. Applicant certifies that the coverage contour of the translator station will not extend beyond the protected contour of the commercial primary station being rebroadcast.</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A                  See Explanation in [Exhibit 4]</p>												
<p><b>NOTE: If No to a. and b., and no waiver has been requested in an Exhibit, this application is unacceptable for filing.</b> See 47 C.F.R. Section 74.1232(d).</p> <p>If No to a. and Yes to b. applicant is prohibited from receiving any support, before or after construction, either directly or indirectly from the commercial primary station being rebroadcast or from any person or entity having any interest whatsoever, or any connection with the primary FM station. Interested and connected parties include group owners, corporate parents, shareholders, officers, directors, employees, general and limited partners, family members and business associates. See 47 C.F.R. Section 74.1232(e).</p>													
<p>4. The applicant, if for a commercial FM translator station with a coverage contour extending beyond the protected contour of the commercial primary station being rebroadcast, certifies that it has not received any support, before or after constructing, directly or indirectly, from the licensee/permittee of the primary station or any person with an interest in or connection with the licensee or permittee of the primary station, except for technical assistance as provided for under 47 C.F.R. Section 74.1232(e).</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A                  See Explanation in [Exhibit 5]</p>												
<p>5. For applicants proposing translator rebroadcasts that are not the licensee of the primary station, the applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted. <b>If No, this application is unacceptable for filing.</b></p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input type="radio"/> N/A</p>												
<p>6. <b>Character Issues.</b> Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <p>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</p> <p>b. any pending broadcast application in which character issues have been raised.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No                  See Explanation in [Exhibit 6]</p>												

<p>7. <b>Adverse Findings.</b> 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 the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.</p> <p>If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of 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 date of filing; and (ii) the disposition of the previously reported matter.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 7]</p>
<p>8. <b>Alien Ownership and Control.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 8]</p>
<p>9. <b>Program Service Certification.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
<p>10. <b>Local Public Notice.</b> Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
<p>11. <b>Auction Authorization.</b> If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.</p> <p>An exhibit is required unless this question is inapplicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 9]</p>
<p>12. <b>Anti-Drug Abuse Act Certification.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
<p>13. <b>Equal Employment Opportunity (EEO).</b> 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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p>

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.)

Typed or Printed Name of Person Signing THOMAS J KIGIN	Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT
Signature	Date 2/26/2007

### SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (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	Relationship to Applicant (e.g., Consulting Engineer)
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KATE MICHLER		TECHNICAL CONSULTANT	
Signature		Date 2/15/2007	
Mailing Address DOUG VERNIER TELECOMMUNICATIONS CONSULTANTS 721 WEST 1ST STREET, SUITE A			
City CEDAR FALLS		State or Country (if foreign address) IA	Zip Code 50613 -
Telephone Number (include area code) 3192668402		E-Mail Address (if available) KMICHLER@V-SOFT.COM	

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 III-A - 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**

- Channel: 245
- Primary Station:

Facility Identifier	Call Sign	City	State	Channel
42947	KNSW	WORTHINGTON	MN	219
- Delivery Method (Select One):  
 Off-air  
 Microwave  
 Satellite  
 Via  
 Other
- Antenna Location Coordinates: (NAD 27)  
  
Latitude:  
Degrees 44 Minutes 32 Seconds 28  
 North  
 South  
  
Longitude:  
Degrees 95 Minutes 10 Seconds 58  
 West  
 East
- Antenna Structure Registration Number: 1009336  
 Not Applicable  
 Notification filed with FAA
- Antenna Location Site Elevation Above Mean Sea Level: 323 meters
- Overall Tower Height Above Ground Level: 67 meters
- Height of Radiation Center Above Ground Level: 40 meters(H) 40 meters(V)
- Effective Radiated Power: 0.25 kW(H) 0.25 kW(V)
- Transmitting Antenna:  
Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under [CDBS Public Access](http://svartifoss2.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm) ([http://svartifoss2.fcc.gov/prod/cdbs/pubacc/prod/cdbs\\_pa.htm](http://svartifoss2.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm)). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search.  
 Nondirectional  
 Directional "Off-the-shelf"  
 Directional composite  
Manufacturer ERI Model 100-2  
Rotation:degrees  
 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

<p>11. <b>For FM Boosters and Fill-in translators only.</b> Applicant certifies that the proposal is for a fill-in translator or booster station entirely within the primary station's protected contour.</p>	<p align="right"> <input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A </p> <p align="right">See Explanation in [Exhibit 10];</p>
<p>12. <b>Interference.</b> The proposed facility complies with all of the following applicable rule sections. Check all that apply:</p> <p><b>Overlap Requirements.</b>  <input checked="" type="checkbox"/> a) 47 C.F.R. Section 74.1204  <b>Exhibit Required.</b></p> <p><b>Television Channel 6 Protection.</b>  <input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s)  <b>Exhibit Required.</b></p>	<p align="right"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p> <p align="right">See Explanation in [Exhibit 11]</p> <p align="right">[Exhibit 12]</p> <p align="right">[Exhibit 13]</p>
<p>13. <b>Unattended operation.</b> Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.</p>	<p align="right"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p> <p align="right">See Explanation in [Exhibit 14]</p>
<p>14. <b>Multiple Translators.</b> Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.</p>	<p align="right"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p> <p align="right">See Explanation in [Exhibit 15]</p>
<p>15. <b>Environmental Protection Act.</b> Applicant certifies that 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 Appendix A, an <b>Exhibit is required.</b></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 align="right"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p> <p align="right">See Explanation in [Exhibit 16]</p>

**PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.**

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

<p><b>Preliminary Matter:</b> Does this application provide fill-in service only?</p>	<p align="right"> <input type="radio"/> Yes <input type="radio"/> No </p>
<p>1. <b>Established Local Applicant:</b> Applicant certifies that for at least the 24 months immediately prior to</p>	<p align="right"> <input type="radio"/> Yes <input type="radio"/> No </p>

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.	
2. <b>Diversity of Ownership:</b> Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized radio station (including AM, FM, and non-fill-in FM translator stations, commercial or noncommercial) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
3. <b>State-wide Network:</b> 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.	<input type="radio"/> Yes <input type="radio"/> No
4. <b>Technical Parameters:</b> Applicant certifies that the numbers in the boxes below accurately reflect the new (increased) area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) 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 the station's existing service area). (Points, if any, will be determined by FCC)	<input type="radio"/> Yes <input type="radio"/> No
New (increased) area served in square kilometers (excluding areas of water):	
Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	
<b>Tie Breakers</b>	
5. <b>Existing Authorizations.</b> a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of relevant broadcast stations. FM translator applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations.  (number of attributable commercial and non-commercial licenses and construction permits)  b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of FM translators.	
6. <b>Pending Applications.</b> a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, pending applications for new or major changes to the following number of relevant broadcast stations, AM and FM, commercial and non-commercial and FM translator stations other than fill-in stations.  (number of attributable commercial and non-commercial applications)  b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date of filing, existing authorizations for the following number of FM translators.	

## 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.)

Typed or Printed Name of Person Signing THOMAS J KIGIN	Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT
Signature	Date 2/26/2007

## Exhibits

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### Exhibit 1

**Description:** EXH. 1 / ENGINEERING STATEMENT

ATTACHMENT 1 TO THIS EXHIBIT IS AN ENGINEERING STATEMENT DESCRIBING THE PROPOSED MODIFICATIONS TO CONSTRUCTION PERMIT BNPFT-20030822AHN.

THIS PERMIT IS THE SUBJECT OF AN APPLICATION FOR ASSIGNMENT, FILE NO. BAPFT-20070125ABF. THE ASSIGNMENT IS PENDING AS OF THE DATE OF THE PRESENT APPLICATION. ATTACHMENT 2 TO THIS EXHIBIT CONSISTS OF A LETTER TO THE COMMISSION FROM THE ASSIGNOR (RADIO ASSIST MINISTRY, INC.) GIVING ITS CONSENT FOR MINNESOTA PUBLIC RADIO TO FILE THIS APPLICATION.

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### Attachment 1

Description
<a href="#">Exhibit #1, Engineering Statement</a>
<a href="#">Exh. 1, Att. 2 / Assignor's consent to filing</a>

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### Exhibit 12

**Description:** OVERLAP REQUIREMENTS

### Attachment 12

Description
<a href="#">Exhibit #12, Overlap Requirements</a>

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### Exhibit 16

**Description:** RF EMISSIONS COMPLIANCE STATEMENT

### Attachment 16

Description
<a href="#">Exhibit #16, RF Emissions Compliance Statement</a>

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**EXHIBIT #1**  
**ENGINEERING STATEMENT**

Concerning the Application of  
Minnesota Public Radio  
To Make a Minor Modification to Translator Construction Permit  
K245AK  
BNPFT-20030822AHN  
Serving Redwood Falls, Minnesota

February 2007

**Channel 245D**

**0.25 kW H & V**

This engineering statement supports the application filed by Minnesota Public Radio to make a minor modification to the construction permit for translator K245AKW (BNPFT-20030822AHN) serving Redwood Falls, Minnesota.

The applicant proposes to change transmitter location, decrease antenna height above ground and mean sea level and increase ERP. A change area map which depicts the 60 dBu contour of the proposed facility, as well as the currently authorized construction permit is attached as Page #2 of this exhibit (Ex #1). The N.G.D.C. 30 sec terrain database was used for this and all other exhibits. Page #3 is a table of the distance to the 60 dBu F(50-50) contour along the 12 cardinal radials.

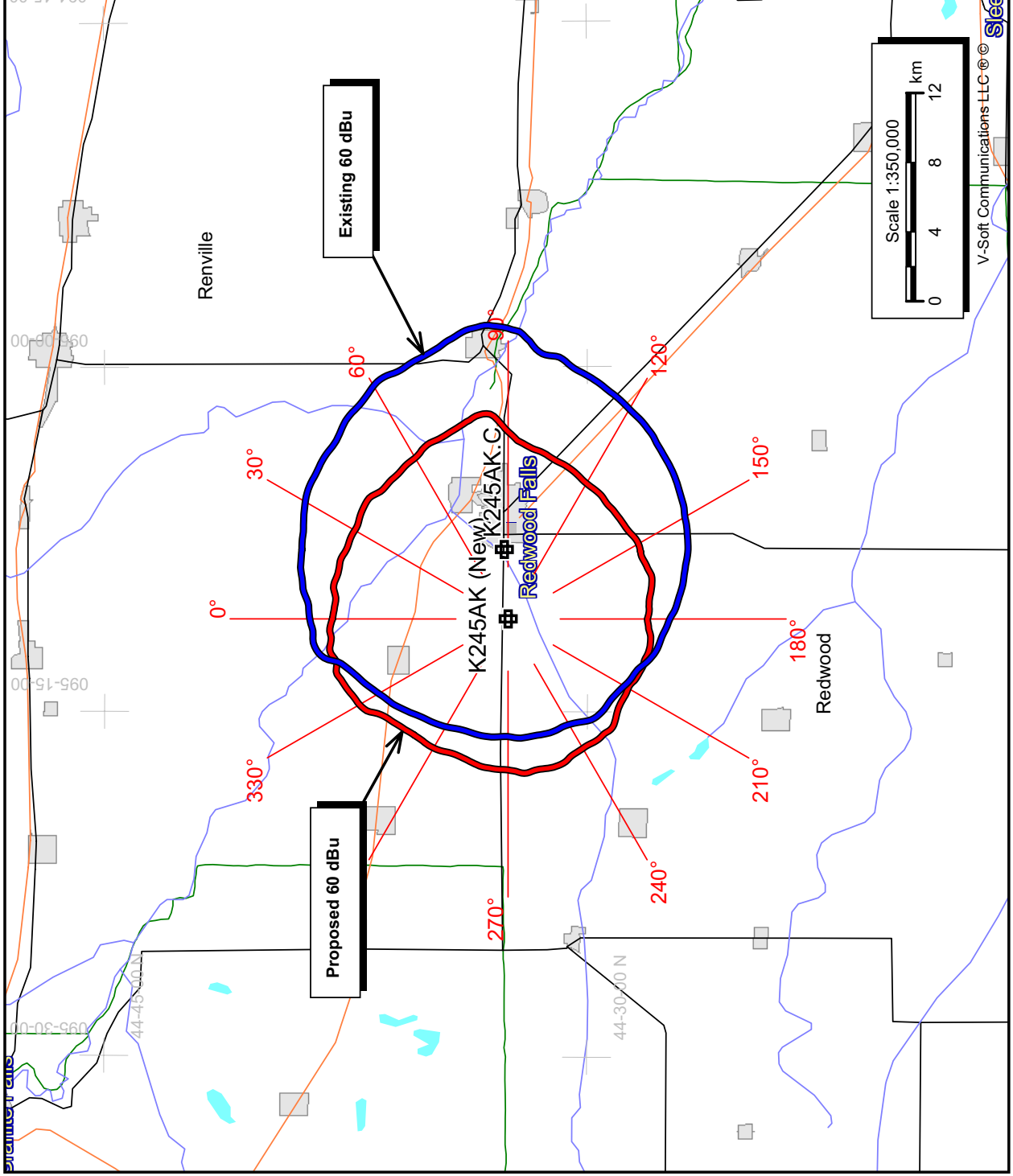
**Exhibit #12** is a single channel, contour to contour, allocation study showing that interference is not caused to any FM radio station, translator, construction permit or application.

There are no pertinent I.F. relationships. The proposal is not within 320 kilometers of the U.S. border with Canada or Mexico, and is outside the protected zone of any AM station, Table Mountain, FCC monitoring stations and the West Virginia Quiet Zone.

**Exhibit #16** shows compliance with the Commission's R.F. emission's standards.

Page #4 of this exhibit (Ex. # 1) is a declaration made by the preparer attesting to her qualifications.

# K245AK (New) Proposed 60 dBu Change Area



**K245AK (New)**  
 Latitude: 44-32-28 N  
 Longitude: 095-10-58 W  
 ERP: 0.25 kW  
 Channel: 245  
 Frequency: 96.9 MHz  
 AMSL Height: 363.0 m  
 HAAT: 51.01 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Pop = 6,616

**K245AK.C**  
 BNFT20030822AHN  
 Latitude: 44-32-35.10 N  
 Longitude: 095-07-57 W  
 ERP: 0.17 kW  
 Channel: 245  
 Frequency: 96.9 MHz  
 AMSL Height: 400.0 m  
 HAAT: 92.5 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Pop = 7,566

2/15/2007



N. Lat. = 443228.0 W. Lng. = 951058.0  
HAAT and Distance to Contour - FCC Method - NGDC 30 SEC  
K245AK (new) - Distance to 60 dbu contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	303.9	59.1	0.2500	-6.02	1.000	10.11
030	302.8	60.2	0.2500	-6.02	1.000	10.19
060	295.7	67.3	0.2500	-6.02	1.000	10.70
090	294.7	68.3	0.2500	-6.02	1.000	10.77
120	315.4	47.6	0.2500	-6.02	1.000	9.01
150	318.7	44.3	0.2500	-6.02	1.000	8.66
180	324.4	38.6	0.2500	-6.02	1.000	8.00
210	324.6	38.4	0.2500	-6.02	1.000	7.97
240	319.1	43.9	0.2500	-6.02	1.000	8.60
270	318.4	44.6	0.2500	-6.02	1.000	8.69
300	319.4	43.6	0.2500	-6.02	1.000	8.58
330	306.7	56.3	0.2500	-6.02	1.000	9.87

Ave El= 311.99 M HAAT= 51.01 M AMSL= 363

**Declaration:**

I, Katherine A. Michler, have received a Bachelor of Science degree from the University of Northern Iowa, and;

That, I declare that I have received training as a technical consultant as a member of the staff of Doug Vernier Telecommunications Consultants, and;

That, I have been a member of the firm for over nine years, and;

That, my qualifications are a matter of record with the Federal Communications Commission, and;

That, I am an Associate Member (#20792) of the Society of Broadcast Engineers, Indianapolis, Indiana, and;

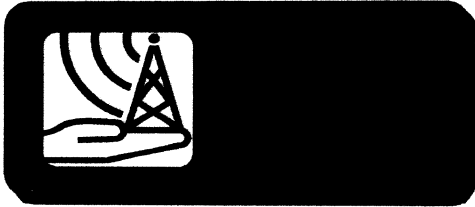
That, the consulting firm of Doug Vernier Telecommunications Consultants has been retained by Minnesota Public Radio, St. Paul, Minnesota, and;

That, I have personally prepared these engineering showings, the technical information contained in same and the facts stated within are true to my knowledge, and;

That, under penalty of perjury, I declare that the foregoing is correct.

Katherine A. Michler Katherine A. Michler

Executed on February 15, 2007



PO Box 5459  
Twin Falls, ID 83303  
Tele: 208-733-3551

January 24, 2007

Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

Re: K245AK Redwood Falls, MN  
Facility ID No. 152818  
FCC File No. BNPFT-20030822AHN

Dear Ms Dortch:

Pursuant to Section 73.3517a, Radio Assist Ministry, Inc, the proposed assignor of a construction permit for the above facility, consents to the filing of an application for a minor modification of the facility by Minnesota Public Radio.

Sincerely,

Clark Parrish  
President

Minnesota Public Radio  
Redwood Falls

Exhibit #12

REFERENCE  
44 32 28.0 N.  
95 10 58.0 W.

CH# 245D - 96.9 MHz, Pwr= 0.25 kw, HAAT=51.0 M, COR= 363 M  
Average Protected F(50-50)= 9.37 km

DISPLAY DATES  
DATA 02-15-07  
SEARCH 02-15-07

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
245D Redwood Falls	K245AK	CP C MN	86.8 266.9	4.00 BNPFT20030822AHN	44 32 35.1 95 07 57.0	0.170 85	36.8 400	10.8 Radio Assist	-46.19* Ministry, Inc
245C Watertown	KDLO-FM	LIC CN SD	284.8 103.1	196.33 BLH19790226AB	44 57 57.0 97 35 22.0	100.000 479	189.0 1030	85.2 Three Eagles Of Joliet, In	82.86
245D Windom	K245AJ	CP C MN	181.0 1.0	66.02 BNPFT20030822AHM	43 56 49.2 95 11 48.0	0.250	32.4 506	9.7 Horizon Christian Fellowsh	29.49
244C3 North Mankato	KDOG	CP CX MN	117.1 297.8	96.32 BPH20040721AMD	44 08 34.0 94 06 36.0	11.500 150	57.6 438	38.5 Minnesota valley Broadcast	45.05
244C3 North Mankato	KDOG	LIC NCN MN	112.4 293.1	91.99 BLH19930920KC	44 13 20.0 94 07 03.0	4.000 198	50.8 483	34.0 Minnesota valley Broadcast	44.91
245L1 Spicer	KGLH-LP	LIC MN	13.3 193.5	82.02 BLL20021210ACD	45 15 32.0 94 56 28.0	0.100 30	19.3 396	5.8 Hope Presbyterian Church	42.06
244L1 Montevideo	KKRM-LP	LIC MN	316.2 135.8	64.26 BLL20040817ABN	44 57 23.0 95 44 51.0	0.100 14	9.0 320	6.3 Thunderhawk Broadcasting I	45.61
242C1 Glencoe	KTTB	LIC NCX MN	65.4 246.3	108.79 BMLH20031205ADO	44 56 25.0 93 55 43.0	100.000 176	7.6 480	61.1 Blue Chip Broadcasting Lic	46.61
298C3 Marshall	KARZ	LIC NC MN	246.6 66.1	59.87 BLH19990208KE	44 19 32.0 95 52 19.0	15.000 131	2.0 569	37.2 Kmh1 Broadcasting Company	12.0R 47.9M
246C Minneapolis	KTCZ-FM	LIC CN MN	69.8 251.2	172.73 BLH19910814KC	45 03 30.0 93 07 27.0	100.000 315	106.6 593	73.5 Amfm Broadcasting Licenses	83.34
245C1 Clarion	KIAQ	LIC CN IA	157.9 338.6	223.72 BLH19870120KA	42 40 18.0 94 09 11.0	100.000 176	158.6 518	61.3 Three Eagles Of Fort Dodge	134.15
247C2 Starbuck	KRVY-FM	LIC C MN	345.5 165.2	113.42 BLH20001220ABP	45 31 42.0 95 32 52.0	50.000 150	5.5 520	49.3 Iowa City Broadcasting Com	63.03
244C2 Sartell	KKSR	LIC ZCN MN	30.7 211.5	159.29 BLH19910711KC	45 46 03.0 94 08 04.0	50.000 138	80.2 480	54.0 Regent Licensee Of St. Clo	91.11
243C Sioux Falls	KNWC-FM	LIC CN SD	224.0 43.1	157.02 BMLED20030304AAH	43 31 07.0 96 32 05.0	100.000 488	12.4 918	85.7 Northwestern College	70.20

Terrain database is NGDC 30 SEC

ERP and HAAT are on direct line to and from reference station.

Incoming contour overlap is ignored.

"\*"affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap

## HOW TO READ THE FM COMPUTER PRINT-OUT

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. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined 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 labeled "\*" OUT \*" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of outgoing interference. Negative distance figures in this column indicate outgoing overlap interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

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

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" or "Z" (Sec. 73.215) if the facility is directional. 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.

## EXHIBIT #16

### R.F. EMISSION COMPLIANCE STATEMENT

Minnesota Public Radio  
K245AK  
BNPFT-20030822AHN  
Channel 245 – 0.25 kW H & V  
Redwood Falls, Minnesota

February 2007

The proposed two-bay, circularly polarized, full-wave spaced antenna will be energized such that it produces 0.25 kW effective radiated power from a center of radiation of 40 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 2-bay ERI 100 (Type #3) antenna is 0.347 microwatts per square centimeter ( $\mu\text{w}/\text{cm}^2$ ), which is 0.0347 percent of the maximum for a controlled area and 0.1735 percent of maximum for an uncontrolled area.

Since the predicted level of emissions is less than 1% of maximum, no further calculations were deemed necessary.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM translator will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.