

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0034 (March 2001)	FOR FCC USE ONLY
FCC 340		
APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL NONCOMMERCIAL EDUCATIONAL BROADCAST STATION		FOR COMMISSION USE ONLY FILE NO. BPED - 20070105ADV
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
	Telephone Number (include area code) 6512901259	Zip Code 55101 -
	E-Mail Address (if available) FCCFILING@MPR.ORG	
	FCC Registration Number: 0002642510	Call Sign KWRV
		Facility Identifier 42917
2.	Contact Representative (if other than licensee/Permittee) TODD STANSBURY	Firm or Company Name WILEY REIN & FIELDING
	Telephone Number (include area code) 2027194948	E-Mail Address (if available) TSTANSBU@WRF.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 checked="" type="radio"/> Minor Change in licensed facility <input type="radio"/> Major Modification of construction permit <input 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: - (b) Service Type: <input checked="" type="radio"/> FM <input type="radio"/> TV <input type="radio"/> DTV (c) Community of License: City: SUN VALLEY State: ID (d) 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>	<input checked="" type="radio"/> Yes <input type="radio"/> No
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 educationl institution; or</p> <p>b. a governmental entity other than a school; or</p> <p>c. a nonprofit educationl organization, other than described in a. or b.</p>	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
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>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
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>	<input type="radio"/> Yes <input type="radio"/> No FCC FileNumber - [Exhibit 2]
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>	<input type="radio"/> Yes <input type="radio"/> No
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>	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 3]
7.	<p>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</p>	<input type="checkbox"/> N/A [Exhibit 4]

	pursuant to the notes to 47 C.F.R. Section 73.3555.	
8.	<p>Character Issues. 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 type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 5]</p>
9.	<p>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.</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 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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 6]</p>
10.	<p>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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 7]</p>
11.	<p>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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
12.	<p>Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
13.	<p>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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
14.	<p>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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p>
<p>QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.</p>		
15.	<p>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.</p> <p>If "No" to 15., answer question 16. and 17.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 8]</p>
16.	<p>Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration?</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
17.	<p>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?</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>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</p>		

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.	<p>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).</p> <p>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.</p> <p>a. Applicant certifies that the proposed modification will not downgrade service to the area on which the Section 307(b) preference was based.</p> <p>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.</p>	<p><input checked="" 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>
19.	<p>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.</p> <p>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.</p> <p>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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input type="radio"/> No [Exhibit 9]</p>

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.	<p>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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 10]</p>
2.	<p>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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 11]</p>

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>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
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</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>

	than those identified in 2(b) below) 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 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.	
	(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? 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).	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 12]
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.	<input type="radio"/> Yes <input type="radio"/> No
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)	<input type="radio"/> Yes <input type="radio"/> No
	New 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:	
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)		
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)	
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)	

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 1/5/2007

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 KATE MICHLER		Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT	
Signature		Date 12/22/2006	
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 VII - FM Engineering on Channels 200-220												
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: 220											
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 43 Minutes 39 Seconds 41.2 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 114 Minutes 24 Seconds 7.5 <input checked="" type="radio"/> West <input type="radio"/> East											
4.	Antenna Structure Registration Number: <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA											
5.	Antenna Location Site Elevation Above Mean Sea Level:										2743 meters	
6.	Overall Tower Height Above Ground Level:										24.4 meters	
7.	Height of Radiation Center Above Ground Level:										12.2 meters(H) 12.2 meters(V)	
8.	Height of Radiation Center Above Average Terrain:										656.6 meters(H) 656.6 meters(V)	
9.	Effective Radiated Power:										0.1 kW(H) 0.1 kW(V)	
10.	Maximum Effective Radiated Power: (Beam-Tilt Antenna ONLY)										<input checked="" type="checkbox"/> Not Applicable kW(H) kW(V)	
11.	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 12-15.

12.	<p>Main Studio Location. The proposed main studio location complies with 47 C.F.R. Section 73.1125. <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p style="text-align: right; margin-right: 20px;">See Explanation in [Exhibit 13]</p>																				
13.	<p>Interference. The proposed facility complies with all of the following applicable rule sections. <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Check all that apply:</p> <p style="text-align: right; margin-right: 20px;">See Explanation in [Exhibit 14]</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="2" style="padding: 2px;">Contour Overlap Requirements.</td> </tr> <tr> <td style="padding: 2px;">a. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.509 Exhibit Required.</td> <td style="text-align: right; padding: 2px;">[Exhibit 15]</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Spacing Requirements.</td> </tr> <tr> <td style="padding: 2px;">b. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.207 with respect to station(s)</td> <td></td> </tr> <tr> <td colspan="2" style="padding: 2px;">Grandfathered Short-Spaced.</td> </tr> <tr> <td style="padding: 2px;">c. <input type="checkbox"/> 47 C.F.R. Section 73.213(a) with respect to station(s) Exhibit Required.</td> <td style="text-align: right; padding: 2px;">[Exhibit 16]</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Contour Protection.</td> </tr> <tr> <td style="padding: 2px;">d. <input type="checkbox"/> 47 C.F.R. Section 73.215(a) with respect to station(s) Exhibit Required.</td> <td style="text-align: right; padding: 2px;">[Exhibit 17]</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Television Channel 6 Protection.</td> </tr> <tr> <td style="padding: 2px;">e. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.525 with respect to station(s) Exhibit Required.</td> <td style="text-align: right; padding: 2px;">[Exhibit 18]</td> </tr> </table>	Contour Overlap Requirements.		a. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.509 Exhibit Required.	[Exhibit 15]	Spacing Requirements.		b. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.207 with respect to station(s)		Grandfathered Short-Spaced.		c. <input type="checkbox"/> 47 C.F.R. Section 73.213(a) with respect to station(s) Exhibit Required.	[Exhibit 16]	Contour Protection.		d. <input type="checkbox"/> 47 C.F.R. Section 73.215(a) with respect to station(s) Exhibit Required.	[Exhibit 17]	Television Channel 6 Protection.		e. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.525 with respect to station(s) Exhibit Required.	[Exhibit 18]
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Television Channel 6 Protection.																					
e. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.525 with respect to station(s) Exhibit Required.	[Exhibit 18]																				
14.	<p>Reserved Channels Above 220.</p> <p>a. Allotment. The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203. <input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 19]</p> <p>b. Community Coverage. The proposed facility complies with 47 C.F.R. Section 73.315. <input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 20]</p>																				

15.	<p>International Borders. The proposed antenna location is not within 320 kilometers of the common border between the United States and Canada or Mexico.</p> <p>If "No," specify the country and provide an exhibit of compliance with all provisions of the relevant International Agreement.</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Canada <input type="radio"/> Mexico [Exhibit 21]
16.	<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>	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 22]
PREPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.		

Exhibits

Exhibit 1
Description: ENGINEERING STATEMENT

Attachment 1

Description
Exhibit #1, Engineering Statement

Exhibit 13
Description: MAIN STUDIO LOCATION

Attachment 13

Description
Exhibit #13, Main Studio Location

Exhibit 15
Description: CONTOUR OVERLAP/MINIMUM SPACING REQUIREMENTS

Attachment 15

Description
Exhibit #15, Contour Overlap/Minimum Spacing Requirements

Exhibit 18
Description: TELEVISION CHANNEL 6 PROTECTION

Attachment 18

Description

Description

Exhibit #18, Television Channel 6 Protection

Exhibit 22

Description: RF EMISSIONS COMPLIANCE STATEMENT

Attachment 22

Description

Exhibit #22, RF Emissions Compliance Statement

EXHIBIT #1
ENGINEERING STATEMENT

Minnesota Public Radio
KWRV
Minor Change to
BLED-19930803KA

December 2006

CH 220A

0.1 kW H & V

This engineering statement supports the application filed by Minnesota Public Radio, to make a minor change to licensed NCE FM station KWRV, Sun Valley, Idaho. The applicant proposes to move the transmit location and increase the antenna height above mean sea level and above average terrain. No other changes are being proposed.

Page #3 is a computer generated map predicting the 60 dBu coverage contour. The city of license, Sun Valley, is completely encompassed by this contour. Eight evenly spaced radials and the N.G.D.C. 30 arc second terrain database was used to calculate the height above average terrain. A tabular listing of the distances to contour along the pertinent radials is found on page #4. A 60 dBu contour change area map is included as Page #5.

Exhibit #13 is a request for waiver to Section 73.1125, Main Studio, granted under license BLED-19930803KA.

Exhibit #15 is a single channel, contour to contour, allocation study showing that interference is neither caused nor received by an FM radio station, application for facilities or construction permit. Page #2 is an explanation of the methods used to prepare this study. There are no I.F. relationships. The proposal is not within 320 kilometers of the U.S. border with Canada or Mexico. Also included as Page #3 is a minimum spacings study, showing no short spacing to existing stations, applications or construction permits on FM channels 221, 222 or 223.

Exhibit #18 is a channel six television protection exhibit. KIVI is the only channel-six television station within the cutoff distance for channel 220 of 154 kilometers. This study was prepared using an FM study power of 0.10252 kW, which is 0.1 kW H + 0.1 kW V/40. The 6 dB receiver directivity credit was applied within the appropriate angle. Page #2 is an enlargement of the area, showing no overlap. Pages #3 and #4 are distance to contour tables for both the FM and TV facilities.

Exhibit #22 shows compliance with the Commission's R.F. emission's standards.

Minnesota Public Radio is aware of its responsibility under the rules relating to inter-modulation and objectionable blanketing interference. It will correct any such interference, at its own expense, within a period of one year from commencement of broadcasting at the proposed transmitter site. Corrections shall employ traditional means such as filters, traps and tuning adjustments.

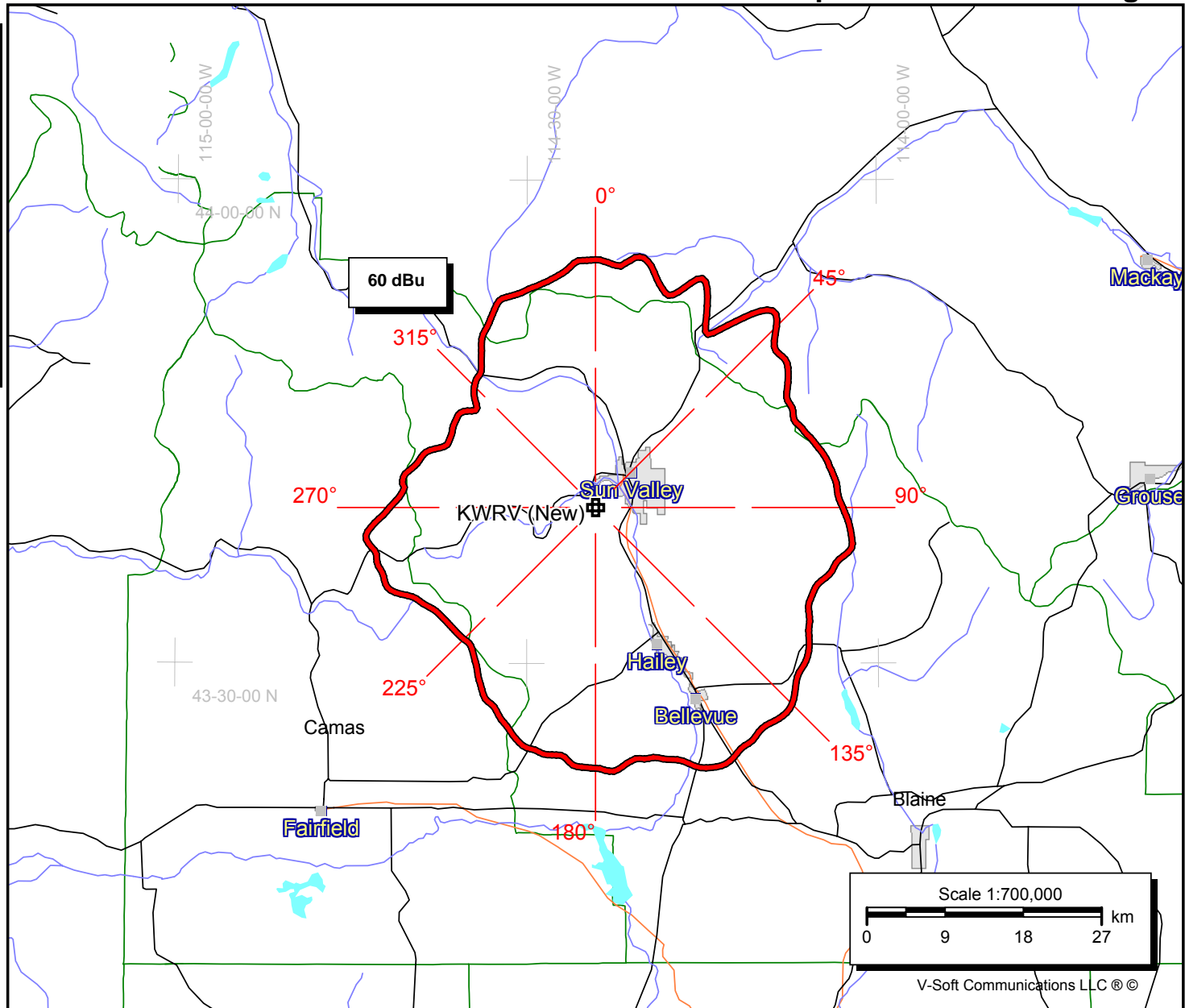
Page #6 of this exhibit (Ex. # 1) is a declaration made by the preparer, Kate Michler, attesting to her qualifications.

KWRV Proposed 60 dBu Coverage

KWRV (New)
(Modified)
Latitude: 43-39-41.20 N
Longitude: 114-24-07.50 W
ERP: 0.10 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 2755.2 m
HAAT: 656.6 m
Horiz. Pattern: Omni
Vert. Pattern: No

Pop = 17,395
Area: 2206.5 sq. km.

12/22/2006



N. Lat. = 433941.2 W. Lng. = 1142407.5
HAAT and Distance to Contour - FCC Method - NGDC 30 SEC
KWRV Proposed 60 dBu coverage contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	2023.2	732.0	0.1000	-10.00	1.000	28.47
045	1976.8	778.4	0.1000	-10.00	1.000	29.41
090	2025.8	729.4	0.1000	-10.00	1.000	28.42
135	1852.5	902.7	0.1000	-10.00	1.000	31.95
180	1949.5	805.7	0.1000	-10.00	1.000	29.97
225	2325.0	430.2	0.1000	-10.00	1.000	21.40
270	2240.6	514.6	0.1000	-10.00	1.000	23.66
315	2395.6	359.6	0.1000	-10.00	1.000	19.67

Ave El= 2098.63 M HAAT= 656.57 M AMSL= 2755.2

KWRV Proposed 60 dBu Change Area

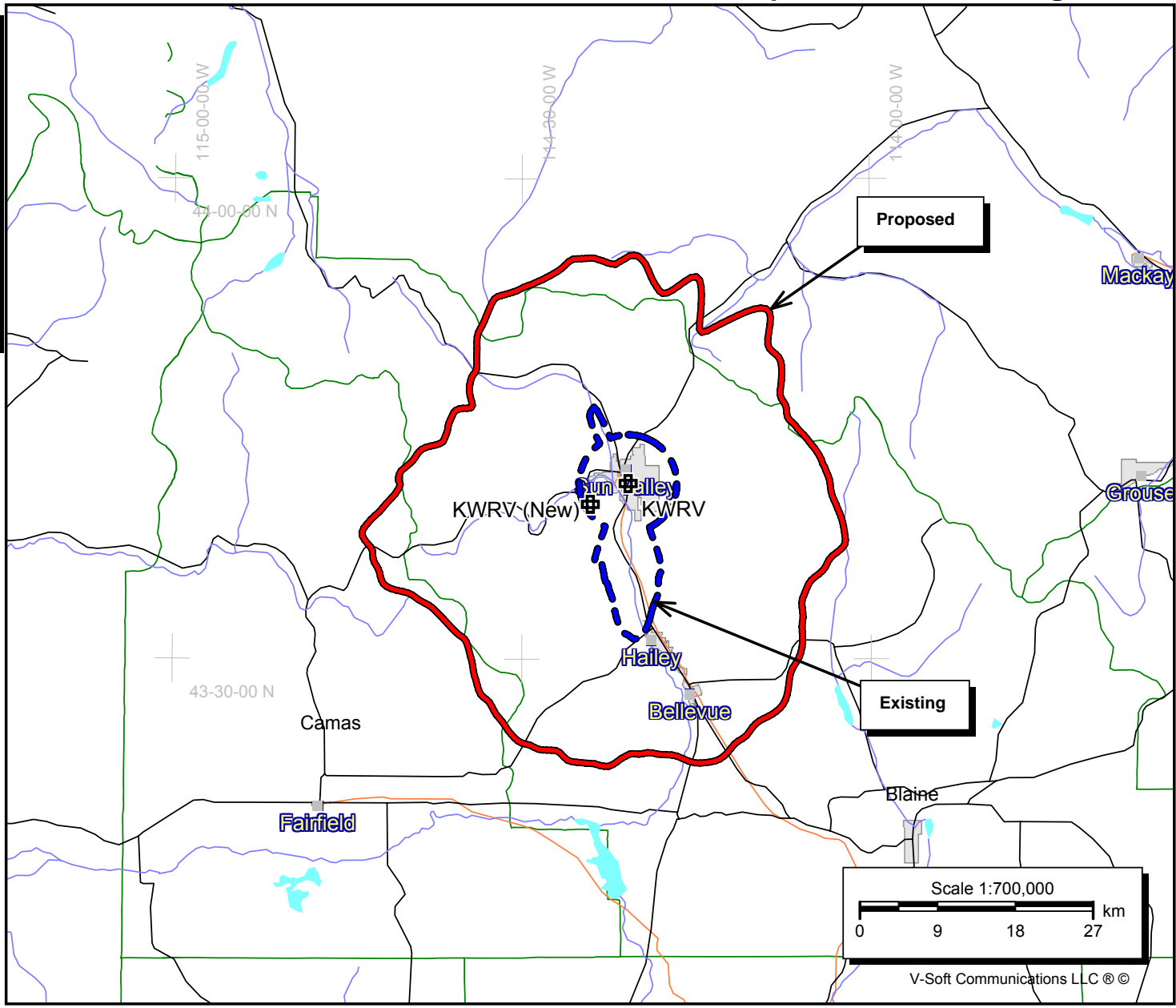
KWRV (New)
(Modified)
Latitude: 43-39-41.20 N
Longitude: 114-24-07.50 W
ERP: 0.10 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 2755.2 m
HAAT: 656.6 m
Horiz. Pattern: Omni
Vert. Pattern: No

Pop = 17,395

KWRV
BLED19930803KA
Latitude: 43-40-59 N
Longitude: 114-20-52 W
ERP: 0.10 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 2029.0 m
HAAT: -156.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

Pop = 6,973

12/22/2006



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 apprenticed under Douglas Vernier for over eight years, and;

That, he has been active in broadcast consulting for over 30 years, and;

That, his 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

Executed on September 25, 2006

EXHIBIT #13

MAIN STUDIO LOCATION

Minnesota Public Radio

KWRV

Minor Change to
BLED-19930803KA

December 2006

CH 220A

0.1 kW H & V

The applicant received a waiver of Section 73.1125 under license BLED-19930803KA to operate as a satellite station of KSJN, Minneapolis, Minnesota.

Minnesota Public Radio respectfully requests a continuation of that waiver.

Exhibit #15

Minnesota Public Radio
KWRV Minor Change

REFERENCE
43 39 41.2 N.
114 24 07.5 W.

CH# 220A - 91.9 MHz, Pwr= 0.1 kW, HAAT=656.6 M, COR= 2755.2 M
Average Protected F(50-50)= 26.96 km

DISPLAY DATES
DATA 12-22-06
SEARCH 12-22-06

CH CI TY	CALL	TYPE STATE	AZI. <--	DI ST FI LE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LI CENSEE	*IN* (Overl ap i n km)	*OUT*
220A	KWRV Sun Valley	LI C ID CN	61.2 241.2	4.99 BLED19930803KA	43 40 59.0 114 20 52.0	0.100 -239	18.6 2029	5.6 Minnesota Public Radio	-38.86*<	-79.33*<
06Z2C	KIVI Nampa	LI ID HN	275.0 93.8	137.12 BLCT20011217AAZ	43 45 21.0 116 05 54.0	56.000 857	2240	134.6 Journal Broadcast Corporat	137.8R	-0.7M
219C3	KBSW Twin Falls	LI C ID CN	180.7 0.7	103.49 BLED19980820KB	42 43 48.0 114 25 06.0	4.500 150	42.9 1320	28.0 Idaho State Board Of Educa	30.60	28.91
222C	KIZN« Boi se	LI C ID CY	275.0 93.8	137.12 BLH20010831AAH	43 45 21.0 116 05 54.0	48.000 828	12.4 2215	95.8 Citadel Broadcasting Compa	102.49	40.60
06-2C	KPVI Pocatello	LI ID HN	115.6 297.0	186.08 BLCT2335	42 55 15.0 112 20 44.0	100.000 466	2078	131.3 Oregon Trail Broadcasting	134.6R	51.5M
221C2	KPPC« Pocatello	APP ID CX	119.1 300.4	176.57 BMPH20041223ABE	42 52 26.0 112 30 47.0	12.000 301	90.6 1808	60.8 Intermart Broadcasting Poc	57.91	71.93
218C1	KBSX Boi se	LI C ID C	275.0 93.8	137.12 BLED20010917AAO	43 45 21.0 116 05 54.0	3.800 827	4.0 2215	68.1 Idaho State Board Of Educa	110.91	68.27
221A	KPPC« Pocatello	CP ID CN	116.9 298.3	179.82 BPH19970724M1	42 54 49.0 112 26 14.0	6.000 37	60.0 1559	40.5 Intermart Broadcasting Poc	92.28	96.29
221C2	KPPC« Pocatello	RSV ID	119.1 300.4	176.57	42 52 26.0 112 30 47.0	50.000 150	45.3 0	26.5 Intermart Broadcasting Poc	103.16	106.24
274C	RADD« Boi se	ADD ID	275.0 93.8	137.12	43 45 21.0 116 05 54.0	100.000 600	6.1 0	42.0 College Creek Broadcasting	29.0R	108.1M
219C3	KBSM Mccall	LI C ID CN	318.1 136.9	203.70 BLED19910326KF	45 00 38.0 116 07 53.0	0.220 583	52.5 2327	34.1 Idaho State Board Of Educa	130.99	139.38
219A	KSQS Ri ri e	LI C ID DC	92.8 274.6	203.63 BLED20060908AAG	43 32 37.0 111 53 07.0	0.250 162	30.9 1707	20.9 Fai th Communi cations Corp.	143.66	137.51
273C	KMGI « Pocatello	LI C ID CN	119.4 300.7	177.04 BLH19871216KF	42 51 57.0 112 30 46.0	100.000 312	6.1 1840	42.0 Paci fi c Empi re Radi o Corpo	29.0R	148.0M
217C1	KBSJ Jackpot	LI C NV CY	189.9 9.6	211.44 BLED20020403AAQ	41 47 08.0 114 50 22.0	3.900 751	4.0 2655	58.1 Idaho State Board Of Educa	178.61	152.65

Terrain database is NGDC 30 SEC

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

• affixed to TV6 Margin= no direct-line contour overlap.

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

""<"" = station meets FCC minimum distance spacing for its class. ""<"" = 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 listed "*** IN ***" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (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 incoming interference. Negative distances in this column indicate the presence of 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. 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. Negative distance figures in this column indicate outgoing overlap interference.

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.

For I.F. relationships the "IN" and "OUT" columns 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** separation 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 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 omni. 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".

Minnesota Public Radio
KWRV Minor Change - Spacing

Ex #15, Pg #3

REFERENCE
43 39 41.2 N.
114 24 07.5 W.

CLASS = A
Current Spacings

DISPLAY DATES
DATA 12-22-06
SEARCH 12-22-06

----- Channel 220 - 91.9 MHz -----

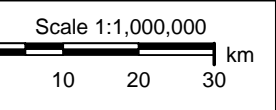
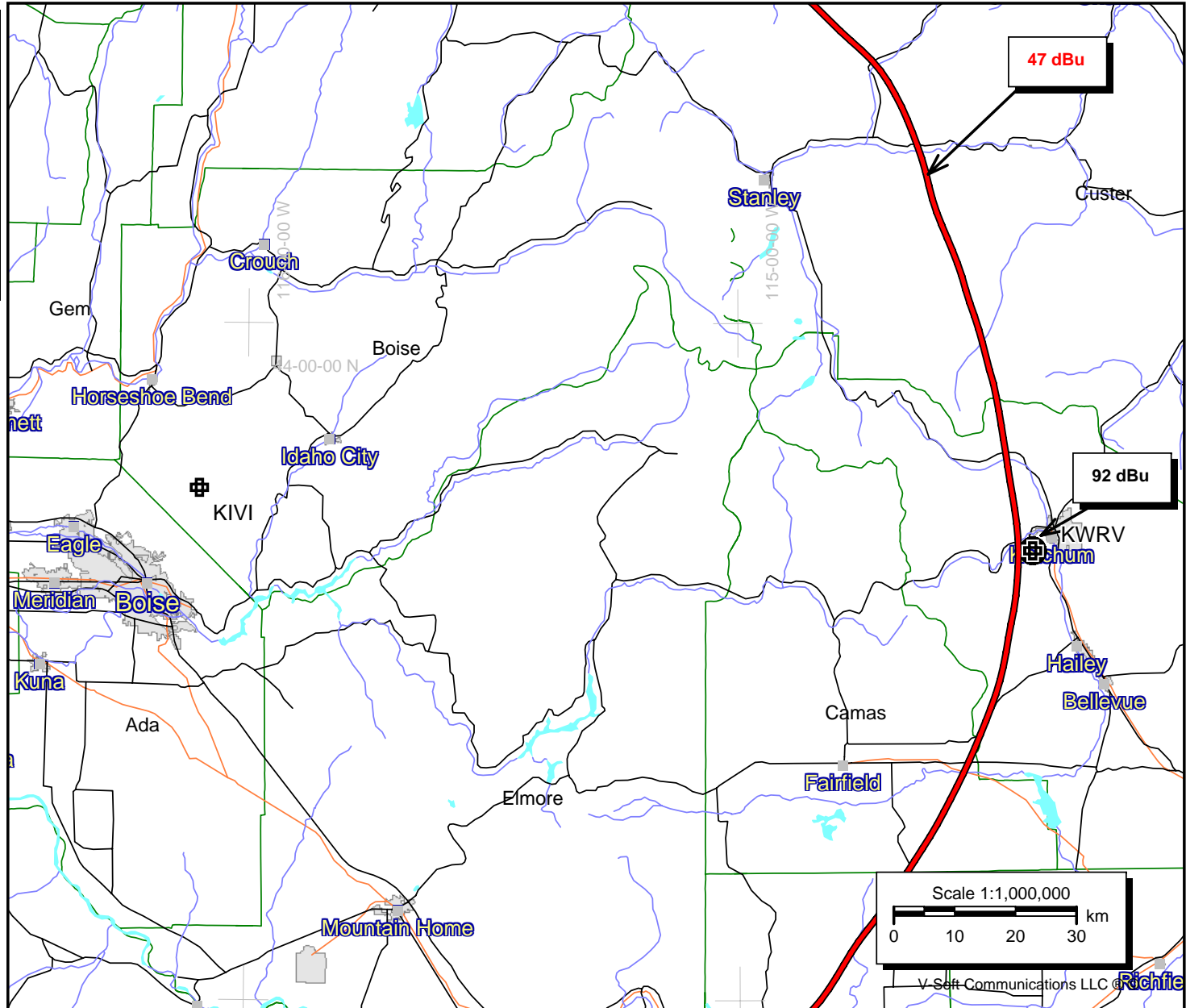
Call	Channel	Location	Azi	Dist	FCC	Margin
KWRV	LIC 220A	Sun Valley	ID 61.2	4.99	115.0	-110.01
KIVI	LI 06Z2C	Nampa	ID 275.0	137.11	154.0	-16.89
KBSW	LIC 219C3	Twin Falls	ID 180.7	103.48	89.0	14.48
KPVI	LI 06-2C	Pocatello	ID 115.6	186.08	154.0	32.08
KIZN	LIC 222C	Boise	ID 275.0	137.11	95.0	42.11
KBSX	LIC 218C1	Boise	ID 275.0	137.11	75.0	62.11
KPPC.A	APP 221C2	Pocatello	ID 119.1	176.56	106.0	70.56
KPPC	RSV 221C2	Pocatello	ID 119.1	176.56	106.0	70.56
KPPC.C	CP 221A	Pocatello	ID 116.9	179.81	72.0	107.81
RADD	ADD 274C	Boise	ID 275.0	137.11	29.0	108.11
KBSM	LIC 219C3	Mccall	ID 318.1	203.70	89.0	114.70
KSQS	LIC-D 219A	Ririe	ID 92.8	203.63	72.0	131.63
KBSJ	LIC 217C1	Jackpot	NV 189.9	211.44	75.0	136.44
KMGI	LIC 273C	Pocatello	ID 119.4	177.04	29.0	148.04
KTVM	LI 06+2C	Butte	MT 30.0	303.31	154.0	149.31

KWRV v KIVI - Television Channel 6 Protection

KWRV
Modified
Latitude: 43-39-41.20 N
Longitude: 114-24-07.50 W
Study ERP: 0.1025 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 2755.2 m
HAAT: 656.6 m
Horiz. Pattern: Omni
Vert. Pattern: No

KIVI
BLCT20011217AAZ
Latitude: 43-45-21 N
Longitude: 116-05-54 W
ERP: 56.00 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 2240.0 m
HAAT: 856.8 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0

12/22/2006



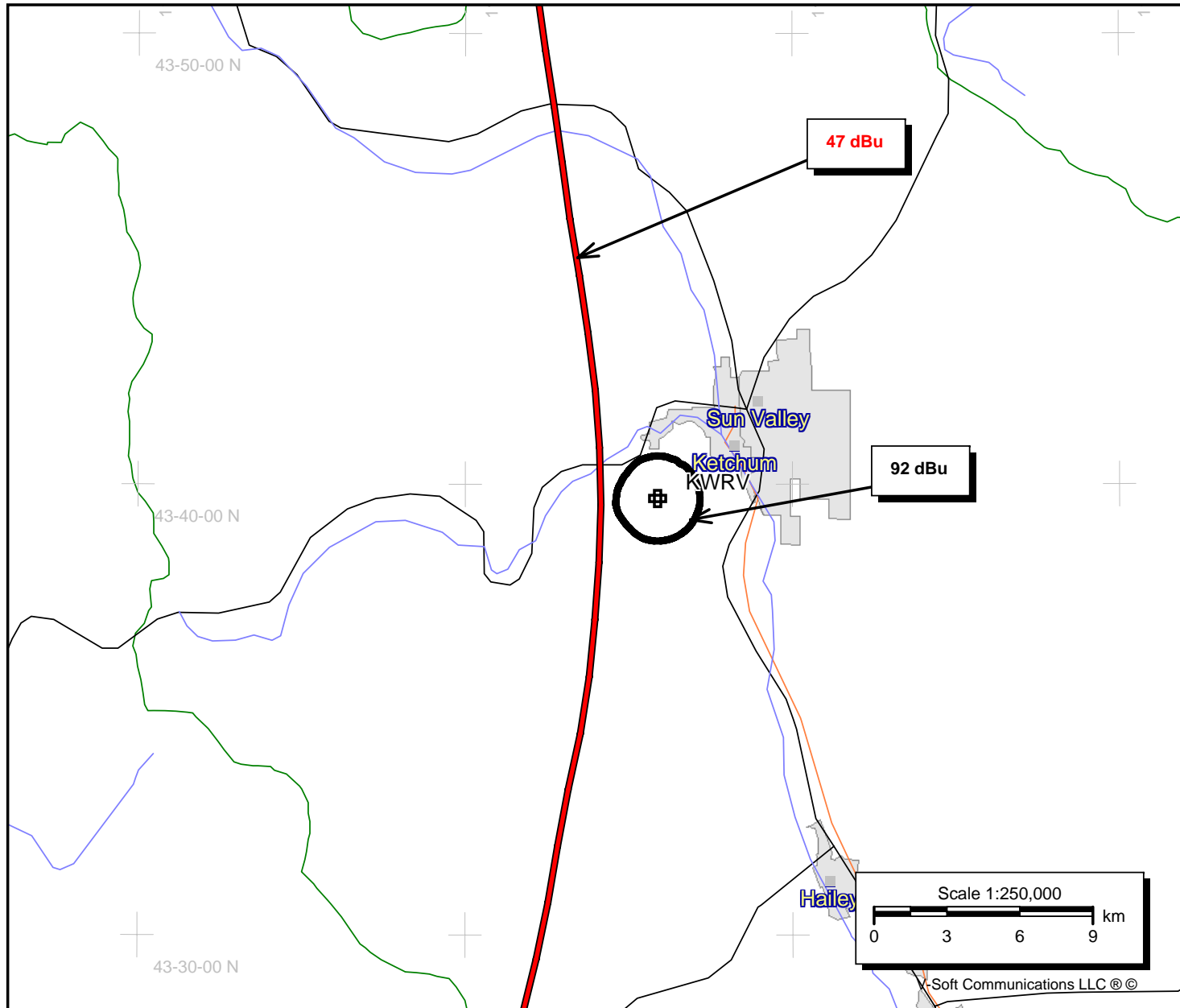
V-Soft Communications LLC

KWRV v KIVI - Television Channel 6 Protection (Close Up)

KWRV
Modified
Latitude: 43-39-41.20 N
Longitude: 114-24-07.50 W
Study ERP: 0.1025 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 2755.2 m
HAAT: 656.7 m
Horiz. Pattern: Omni
Vert. Pattern: No

KIVI
BLCT20011217AAZ
Latitude: 43-45-21 N
Longitude: 116-05-54 W
ERP: 56.00 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 2240.0 m
HAAT: 856.8 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0

12/22/2006



N. Lat. = 433941.2 W. Lng. = 1142407.5

HAAT and Distance to Contour - FCC Method - NGDC 30 SEC

KWRV (Modified) Interference contour for Television Channel 6 Protection

Azi.	AV EL	HAAT	ERP kW	dBk	Field	92-F1
------	-------	------	--------	-----	-------	-------

000	2023.2	732.0	0.1025	-9.89	1.000	1.74
010	1985.8	769.4	0.1025	-9.89	1.000	1.75
020	2144.2	611.0	0.1025	-9.89	1.000	1.72
030	2166.5	588.7	0.1025	-9.89	1.000	1.72
040	1974.3	780.9	0.1025	-9.89	1.000	1.75
050	2071.9	683.3	0.1025	-9.89	1.000	1.74
060	2173.4	581.8	0.1025	-9.89	1.000	1.72
070	2165.9	589.3	0.1025	-9.89	1.000	1.72
080	2082.5	672.7	0.1025	-9.89	1.000	1.74
090	2025.8	729.4	0.1025	-9.89	1.000	1.74
100	1971.5	783.7	0.1025	-9.89	1.000	1.75
110	2101.5	653.7	0.1025	-9.89	1.000	1.73
120	2032.0	723.2	0.1025	-9.89	1.000	1.74
130	1934.4	820.8	0.1025	-9.89	1.000	1.75
140	1848.5	906.7	0.1025	-9.89	1.000	1.75
150	1821.0	934.2	0.1025	-9.89	1.000	1.75
160	1884.9	870.3	0.1025	-9.89	1.000	1.75
170	1982.6	772.6	0.1025	-9.89	1.000	1.75
180	1949.5	805.7	0.1025	-9.89	1.000	1.75
190	2003.9	751.3	0.1025	-9.89	1.000	1.74
200	2055.7	699.5	0.1025	-9.89	1.000	1.74
210	2173.3	581.9	0.1025	-9.89	1.000	1.72
220	2304.9	450.3	0.1025	-9.89	1.000	1.68
230	2321.1	434.1	0.1025	-9.89	1.000	1.67
240	2281.4	473.8	0.1025	-9.89	1.000	1.68
250	2159.7	595.5	0.1025	-9.89	1.000	1.72
260	2137.5	617.7	0.1025	-9.89	1.000	1.73
270	2240.6	514.6	0.1025	-9.89	1.000	1.70
280	2291.4	463.8	0.1025	-9.89	1.000	1.68
290	2395.8	359.4	0.1025	-9.89	1.000	1.65
300	2426.7	328.5	0.1025	-9.89	1.000	1.64
310	2461.9	293.3	0.1025	-9.89	1.000	1.63
320	2364.4	390.8	0.1025	-9.89	1.000	1.66
330	2209.7	545.5	0.1025	-9.89	1.000	1.71
340	2139.5	615.7	0.1025	-9.89	1.000	1.72
350	2103.9	651.3	0.1025	-9.89	1.000	1.73

Ave El= 2122.53 M HAAT= 632.68 M AMSL= 2755.2

N. Lat. = 434521.0 W. Lng. = 1160554.0
 HAAT and Distance to Contour - FCC Method - NGDC 30 SEC
 KIVI , Journal Broadcast Corporatio , BLCT20011217AAZ
 Azi. AV EL HAAT ERP kW dBk Field 47-F5

Azi.	AV EL	HAAT	ERP kW	dBk	Field	47-F5
000	1577.8	662.2	56.0000	17.48	1.000	124.08
010	1684.8	555.2	56.0000	17.48	1.000	117.66
020	1718.6	521.4	56.0000	17.48	1.000	114.96
030	1677.2	562.8	56.0000	17.48	1.000	118.19
040	1586.0	654.0	56.0000	17.48	1.000	123.64
050	1500.7	739.3	56.0000	17.48	1.000	127.74
060	1401.4	838.6	56.0000	17.48	1.000	131.11
070	1462.6	777.4	56.0000	17.48	1.000	129.18
080	1410.7	829.3	56.0000	17.48	1.000	130.84
090	1309.1	930.9	56.0000	17.48	1.000	133.42
100	1240.7	999.3	56.0000	17.48	1.000	135.04
110	1290.3	949.7	56.0000	17.48	1.000	133.87
120	1368.3	871.7	56.0000	17.48	1.000	131.99
130	1360.3	879.7	56.0000	17.48	1.000	132.19
140	1370.3	869.7	56.0000	17.48	1.000	131.94
150	1385.8	854.2	56.0000	17.48	1.000	131.53
160	1531.5	708.5	56.0000	17.48	1.000	126.40
170	1660.1	579.9	56.0000	17.48	1.000	119.32
180	1553.8	686.2	56.0000	17.48	1.000	125.33
190	1393.5	846.5	56.0000	17.48	1.000	131.33
200	1269.4	970.6	56.0000	17.48	1.000	134.36
210	1182.2	1057.8	56.0000	17.48	1.000	136.43
220	1143.5	1096.5	56.0000	17.48	1.000	137.34
230	1173.5	1066.5	56.0000	17.48	1.000	136.64
240	1176.9	1063.1	56.0000	17.48	1.000	136.55
250	1202.6	1037.4	56.0000	17.48	1.000	135.95
260	1196.1	1043.9	56.0000	17.48	1.000	136.10
270	1243.8	996.2	56.0000	17.48	1.000	134.97
280	1258.5	981.5	56.0000	17.48	1.000	134.62
290	1314.3	925.7	56.0000	17.48	1.000	133.30
300	1403.7	836.3	56.0000	17.48	1.000	131.04
310	1410.0	830.0	56.0000	17.48	1.000	130.86
320	1229.3	1010.7	56.0000	17.48	1.000	135.31
330	1258.1	981.9	56.0000	17.48	1.000	134.63
340	1359.9	880.1	56.0000	17.48	1.000	132.20
350	1468.0	772.0	56.0000	17.48	1.000	128.99

Ave El= 1382.59 M HAAT= 857.41 M AMSL= 2240 M

Exhibit #22

R.F. EMISSIONS COMPLIANCE STATEMENT

Minnesota Public Radio
KWRV
Minor Change Application

December 2006

The proposed four-bay, half-wave spaced ERI LPX-4E-HW (Type #3) circularly polarized antenna will be energized such that it produces 0.1 kW effective radiated power from a center of radiation of 12.2 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 exposure level was calculated to be less than 0.1 $\mu\text{W}/\text{cm}^2$.

There are other sources of RF on the tower and on another monopole immediately adjacent to the tower. However, since the contribution of KWRV is predicted to be less than 1%, further study was deemed unnecessary.

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

Consequently, it appears that the proposed FM station, when using one of the six common antennae listed above, will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.