Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0027 (January 2008)	FOR FCC USE ONLY
FCC 301		
APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION Read INSTRUCTIONS Before Filling Out Form		FOR COMMISSION USE ONLY FILE NO. BMPED - 20080423AEI

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 KRXW	Facility ID Number 166032	
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):
○ Governmental Entity ◉ Other NCE
○ N/A (Fee Required)

4. **Application Purpose**

○ New station	○ New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments
○ Major Modification of construction permit	○ Major Change in licensed facility
○ Minor Modification of construction permit	○ Minor Change in licensed facility
○ Major Amendment to pending application	◉ Minor Amendment to pending application
(a) File number of original construction permit:	BMPED-20080423AEI ☐ NA
(b) Service Type:	○ AM ◉ FM ○ TV ○ DTV
(c) DTV Type:	○ Pre-Transition ○ Post-Transition ○ Both
(d) Community of License: City: ROSEAU	State: MN
(e) Facility Type	◉ Main ○ 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: 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.

Section II - Legal

1.	**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.	(•) Yes ( ) No
2.	**Parties to the Application.** a. List the applicant, and, if other than a natural person, its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary. (1) Name and address of the applicant and each party to the application holding an attributable interest (if other than individual also show name, address and citizenship of natural person authorized to vote the stock or holding the attributable interest). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and other entities with attributable interests, and partners. (2) Citizenship. (3) Positional Interest: Officer, director, general partner, limited partner, LLC member, investor/creditor attributable under the Commission's **equity/debt plus** standard, etc. (4) Percentage of votes. (5) Percentage of total assets (equity plus debt). [Enter Parties/Owners Information] b. Applicant certifies that equity and financial interests not set forth above are non-attributable.	( ) Yes ( ) No (•) N/A See Explanation in [Exhibit 2]
3.	**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.	☑ N/A [Exhibit 3]
4.	**Multiple Ownership.** a. Is the applicant or any party to the application the holder of an attributable radio joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application? If "YES," radio applicants must submit as an Exhibit a copy of each such agreement for radio stations. b. Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules and cross-ownership rules. Radio applicants only: If "Yes," submit an Exhibit providing information regarding the market, broadcast station(s), and other information necessary to demonstrate compliance with 47 C.F.R. § 73.3555(a). All Applicants: If "No," submit as an Exhibit a detailed explanation in support of an exemption from, or waiver of, 47 C.F.R. § 73.3555. c. Applicant certifies that the proposed facility: 1. does not present an issue under the Commission's policies relating to media interests of immediate family members; 2. complies with the Commission's policies relating to future ownership interests; and 3. complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.	( ) Yes (•) No [Exhibit 4] (•) Yes ( ) No [Exhibit 5] (•) Yes ( ) No See Explanation in [Exhibit 6]
5.	**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.	(•) Yes ( ) No See Explanation in [Exhibit 7]

6.	**Adverse Findings.** Applicant certifies that, with respect to the applicant and any party to the application, 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.	(●) Yes ( ) No See Explanation in [Exhibit 8]
7.	**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.	(●) Yes ( ) No See Explanation in [Exhibit 9]
8.	**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.	(●) Yes ( ) No
9.	**Local Public Notice.** Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	(●) Yes ( ) No
10.	**Auction Authorization.** 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. **An exhibit is required unless** this question is inapplicable.	( ) Yes ( ) No (●) N/A [Exhibit 10]
11.	**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.	(●) Yes ( ) No
12.	**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.	( ) Yes ( ) No (●) N/A
13.	**Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.	( ) Yes ( ) No (●) N/A

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 8/22/2008

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-B - 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: 278
2.	Class (select one): ( ) A ( ) B1 ( ) B ( ) C3 (●) C2 ( ) C1 ( ) C0 ( ) C ( ) D

3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 48 Minutes 54 Seconds 10 ◉ North ○ South Longitude: Degrees 95 Minutes 22 Seconds 38.1 ◉ West ○ East		
4.	Proposed Allotment or Assignment Coordinates: (NAD 27) ☑ Not Applicable Latitude: Degrees Minutes Seconds ○ North ○ South Longitude: Degrees Minutes Seconds ○ West ○ East		
5.	Antenna Structure Registration Number: 1023320 ☐ Not Applicable ☐ Notification filed with FAA		
6.	Overall Tower Height Above Ground Level:	150.8meters	
7.	Height of Radiation Center Above Mean Sea Level:	478.1 meters(H)	478.1 meters(V)
8.	Height of Radiation Center Above Ground Level:	141.3meters(H)	141.3meters(V)
9.	Height of Radiation Center Above Average Terrain:	150.3meters(H)	150.3meters(V)
10.	Effective Radiated Power:	48 kW(H)	48 kW(V)
11.	Maximum Effective Radiated Power: ☑ Not Applicable (Beam-Tilt Antenna ONLY)	kW(H)	kW(V)
12.	Directional Antenna Relative Field Values: ☑ Not applicable (Nondirectional) 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

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 13-16. PROCEED TO ITEM 17.

13.	**Availability of Channels.** The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203.	◉ Yes ○ No See Explanation in [Exhibit 23]
14.	**Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315.	◉ Yes ○ No See Explanation in [Exhibit 24]
15.	**Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1125.	○ Yes ◉ No See Explanation in

		[Exhibit 25]
16.	**Interference.** The proposed facility complies with all of the following applicable rule sections: Check all those that apply: **Separation Requirements.** ☑ a) 47 C.F.R. Section 73.207 **Grandfathered Short-Spaced.** ☐ b) 47 C.F.R. Section 73.213(a) with respect to station(s): [Exhibit 27] **Exhibit required** ☐ c) 47 C.F.R. Section 73.213(b) with respect to station(s): [Exhibit 28] **Exhibit required** ☐ d) 47 C.F.R. Section 73.213(c) with respect to station(s): [Exhibit 29] **Exhibit required.** **Contour Protection** ☑ e) 47 C.F.R. Section 73.215 with respect to station(s): [Exhibit 30] **Exhibit required.**	◉ Yes ○ No See Explanation in [Exhibit 26]
17.	**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 Appendix A, an **Exhibit is required.** 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.	◉ Yes ○ No See Explanation in [Exhibit 31]
18.	**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 constitutes a preferential arrangement of station assignments under Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)). **An exhibit is required** unless this question is not applicable.	○ Yes ○ No ◉ N/A [Exhibit 32]

PREPARERS CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.

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 KATE MICHLER	Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT	
Signature	Date 4/3/2008	
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)	E-Mail Address (if available)
3192668402	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).

Exhibits

Exhibit 1
Description: EXH. 1 / CORRECTION TO SEC. III, ITEM 15

THIS AMENDMENT IS FILED TO CORRECT THE RESPONSE TO SEC. III, ITEM 15. NO OTHER CHANGES HAVE BEEN MADE.

Attachment 1

Exhibit 3
Description: EXHIBIT 3 / OWNERSHIP INFORMATION

THIS EXHIBIT CONSISTS OF A LIST OF THE BROADCAST FACILITIES LICENSED TO THE APPLICANT. FULL OWNERSHIP REPORTS FOR THE APPLICANT AND ITS PARENT COMPANY (AMERICAN PUBLIC MEDIA GROUP) ARE ON FILE WITH THE COMMISSION.

Attachment 3

Description
Exh. 3 / List of Applicant's Broadcast Facilities

Exhibit 23
Description: AVAILABILITY OF CHANNELS

PLEASE SEE ATTACHED EXHIBIT.

Attachment 23

Description
Exhibit #23, Availability of Channels

Exhibit 24
Description: COMMUNITY COVERAGE

PLEASE SEE PAGES 3-4 OF EXHIBIT #1.

Attachment 24

Exhibit 25
Description: EXH. 25 / MAIN STUDIO LOCATION

A WAIVER OF SECTION 73.1125(A)(1) HAS BEEN GRANTED FOR THIS STATION AS SPECIAL OPERATING CONDITION #3 OF THE CONSTRUCTION PERMIT GRANTED ON 11/29/2007 (BMPED-20070810ABF). APPLICANT REQUESTS THAT THE WAIVER BE APPLIED TO THE FACILITY PROPOSED IN THIS APPLICATION.

Attachment 25

Exhibit 26
Description: SEPARATION REQUIREMENTS

PLEASE SEE ATTACHED EXHIBIT.

Attachment 26

Description
Exhibit #26, Separation Requirements

Exhibit 30
Description: CONTOUR PROTECTION

PLEASE SEE ATTACHED EXHIBIT.

Attachment 30

Description
Exhibit #30, Contour Protection

Exhibit 31
Description: ENVIRONMENTAL PROTECTION ACT

PLEASE SEE ATTACHED EXHIBIT.

Attachment 31

Description
Exhibit #31, Environmental Protection Act

Doug Vernier
1600 Picturesque Drive
Cedar Falls, Iowa 50613
Telecommunication Consultants
dvernier@v-soft.com (319) 266-8402

EXHIBIT #1
ENGINEERING STATEMENT

Minnesota Public Radio
Minor Modification to Construction Permit
KRXW
BMPED-20070810ABH
Roseau, MN

March 2008

CH 278C2 48 kW H & V

This engineering statement supports application filed by Minnesota Public Radio to make a minor modification to construction permit BNPH-20060302ACR, KRXW, a non-commercial FM station operating on the commercial band in Roseau, Minnesota.

The applicant proposes to move the transmitter location and increase antenna height above ground, mean sea level and average terrain. No other changes are being proposed at this time.

A total of 8 evenly spaced radials were used to determine the antenna height above average terrain. The N.G.D.C. 30 arc second database was employed to determine the elevations along the radials that were averaged using the required four-point interpolation method. The resulting averaged radial antenna heights were employed using the Commission's own TVFMINT algorithm to project the distances to signal contours. A map of the proposed 60 and 70 dBu contours, with cardinal radials and a special radial through the city of license is included on page #3. A tabular listing of the distance to the 60 and the 70 dBu contours can be found on page #4 of this exhibit.

Exhibit #23 shows that the proposed modification meets the allotment requirements of Section 73.203(b).

Exhibit #24 shows that the proposed facility meets the community coverage requirements of Section 73.315.

Exhibit #25 contains information about the proposed main studio location.

Exhibit #26 is an Allocation Report showing that there is no prohibited short-spacing to any existing license, construction permit or application, with the exception of KKBJ-FM, Bemidji. That facility will be protected under Section 73.215.

Exhibit #30 shows that contour protection under Section 73.215 is provided to KKBJ-FM. For the purposes of this study, KKBJ-FM was brought up to full height and power for a Class C1 station of 100 kW at 299 meters. There is no prohibited contour overlap with this maximized station.

The applicant proposes the use of registered tower ASR #1023320, constructed in 1971. Since this tower was built before March, 2001 and since no changes are being proposed to the tower structure itself, this application is excluded from environmental processing under 47. C.F.R. Section 1.1306.

Exhibit #31 is an R.F. emissions compliance statement, showing that workers and the general public are protected from excess radio frequency emissions.

The proposed station is within 320 kilometers of the US border with Canada, however there are no pertinent relationships with Canadian stations, applications or allotments. The proposed station is not within the specific critical distances to AM broadcast towers, FCC monitoring stations, Table Mountain and the West Virginia Quiet Zone. The applicant is aware of its responsibility under the rules to correct any blanketing interference it may cause within the period of one year from commencement of transmissions of newly authorized facilities.

Page #5 of Exhibit #1 is a statement of the qualifications of the preparer.

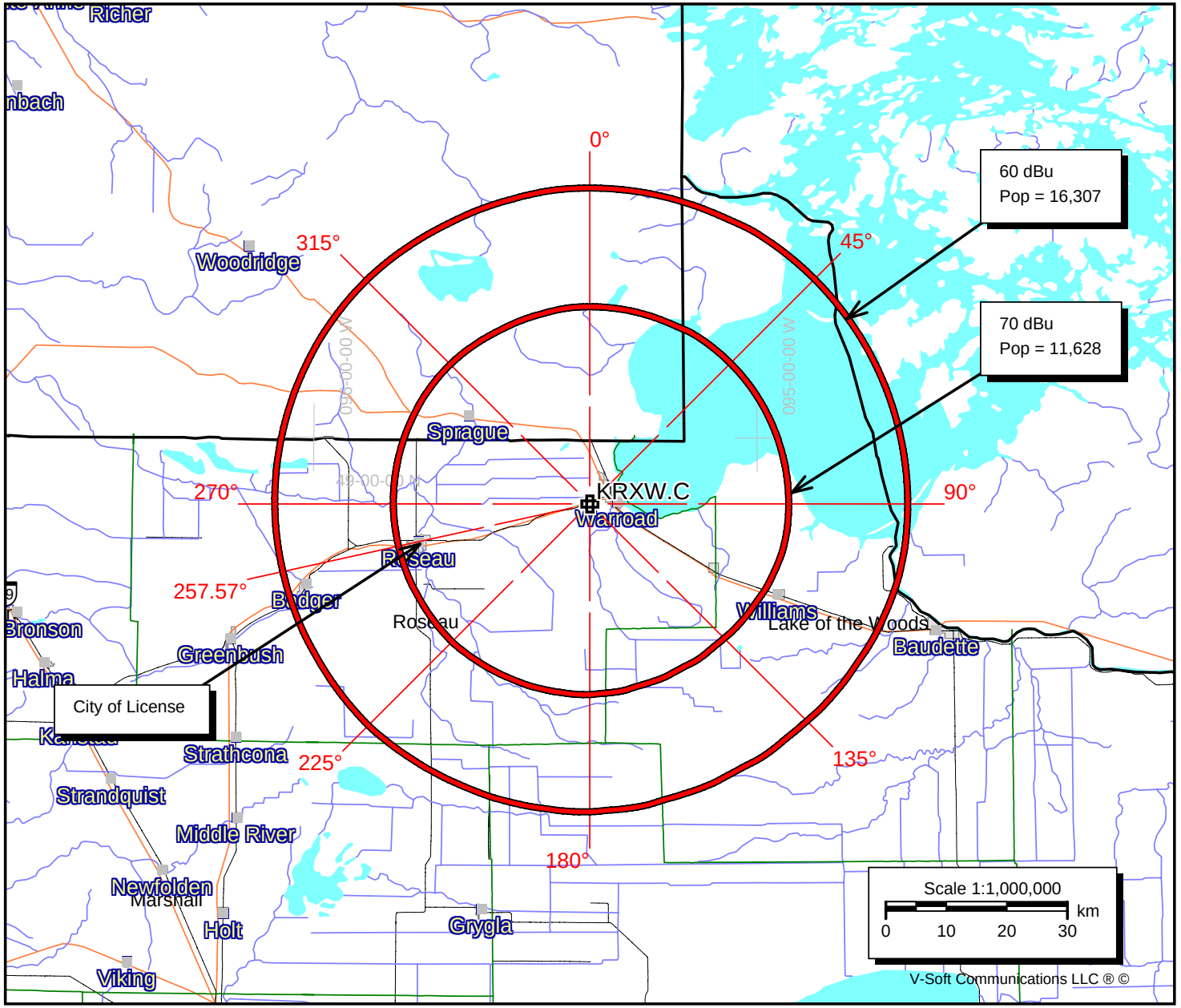
Kate Michler

Proposed Coverage - Roseau Class C2

KRXW.C
Roseau, MN C2
Latitude: 48-54-10 N
Longitude: 095-22-38.10 W
ERP: 48.00 kW
Channel: 278
Frequency: 103.5 MHz
AMSL Height: 478.1 m
HAAT: 150.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

3/31/2008

Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants



N. Lat. = 485410.0 W. Lng. = 952238.1
HAAT and Distance to Contour - FCC Method - NGDC 30 SEC
KRXW (New) - Distance to Coverage Contours

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	70-F5
000	325.6	152.5	48.0000	16.81	1.000	52.16	32.56
045	323.0	155.1	48.0000	16.81	1.000	52.49	32.84
090	323.0	155.1	48.0000	16.81	1.000	52.49	32.84
135	336.5	141.6	48.0000	16.81	1.000	50.69	31.37
180	335.4	142.7	48.0000	16.81	1.000	50.83	31.48
225	329.0	149.1	48.0000	16.81	1.000	51.71	32.18
270	326.7	151.4	48.0000	16.81	1.000	52.02	32.44
315	325.4	152.7	48.0000	16.81	1.000	52.18	32.58

Additional Radials: (Not Considered in Average):

000	329.5	148.6	48.0000	16.81	1.000	51.65	32.13

Ave El= 328.08 M HAAT= 150.02 M AMSL= 478.1 M

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 ten 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, 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 March 31, 2008

FCC Form 301
Application for Minor Modification of Construction Permit BMPED-20070810ABF
Minnesota Public Radio

Exhibit 1, Page 1

MPR holds licenses and/or construction permits for the following radio broadcast stations, all of which are operated on a noncommercial basis:

CALL SIGN	FACILITY ID	COMMUNITY	FREQUENCY
KRSU-FM	42967	Appleton MN	91.3 MHz
KNCM-FM	42981	Appleton MN	88.5 MHz
KNSE-FM	90889	Austin MN	90.1 MHz
KCRB-FM	42970	Bemidji MN	88.5 MHz
KNBJ-FM	42966	Bemidji MN	91.3 MHz
KBPR-FM	42912	Brainerd MN	90.7 MHz
KBPN-FM	92068	Brainerd MN	88.3 MHz
WIRN-FM	78080	Buhl MN	92.5 MHz
WSCN-FM	42975	Cloquet MN	100.5 MHz
KNSR-FM	42938	Collegeville MN	88.9 MHz
KSJR-FM	42955	Collegeville MN	90.1 MHz
KLCD-FM	42943	Decorah IA	89.5 MHz
KLNI-FM	42932	Decorah IA	88.7 MHz
WSCD-FM	42940	Duluth MN	92.9 MHz
KNWF-FM	92141	Fergus Falls MN	91.5 MHz
KCMF -FM	92307	Fergus Falls MN	89.7 MHz
WMLS -FM	92306	Grand Marais MN	88.7 MHz
WLSN-FM	92302	Grand Marais MN	90.7 MHz
WGGL-FM	42913	Houghton MI	91.1 MHz
KITF-FM	122662	International Falls MN	88.3 MHz
KXLC-FM	42918	La Crescent MN	91.1 MHz
KSJN-FM	42911	Minneapolis MN	99.5 MHz
KNOW-FM	42949	Minneapolis/St Paul MN	91.1 MHz
KCCD-FM	42951	Moorhead MN	90.3 MHz
KCCM-FM	42926	Moorhead MN	91.1 MHz
KCMP-FM	62162	Northfield MN	89.3 MHz

CALL SIGN	FACILITY ID	COMMUNITY	FREQUENCY
KRFI-FM	173553	Redwood Falls MN	88.1 MHz
KMSE-FM	83876	Rochester MN	88.7 MHz
KLSE-FM	42965	Rochester MN	91.7 MHz
KZSE-FM	42929	Rochester MN	90.7 MHz
KRXW-FM	166032	Roseau MN	103.5 MHz
KRSD-FM	42909	Sioux Falls SD	88.1 MHz
KGAC-FM	42910	St Peter MN	90.5 MHz
KNGA-FM	42944	St Peter MN	91.5 MHz
KWRV-FM	42917	Sun Valley ID	91.9 MHz
KNTN-FM	42922	Thief River Falls MN	102.7 MHz
KQMN-FM	42974	Thief River Falls MN	91.5 MHz
WIRR-FM	42957	Virginia/Hibbing MN	90.9 MHz
KNSW-FM	42947	Worthington/Marshall MN	91.7 MHz
KRSW-FM	42958	Worthington MN	89.3 MHz

MPR holds licenses or construction permits for the following noncommercial educational FM translators:

CALL SIGN	FACILITY ID	COMMUNITY	FREQUENCY
K280EB	42950	Albert Lea MN	103.9 MHz
K215BL	42971	Alexandria MN	90.9 MHz
K277AD	42979	Austin MN	103.3 MHz
K222BA	141797	Blue Earth MN	92.3 MHz
K270AQ	141824	Blue Earth MN	101.9 MHz
K208CR	86095	Ely MN	89.5 MHz
W269AC	42968	Ely MN	101.7 MHz
K281AB	42969	Grand Rapids MN	104.1 MHz
K297AD	42964	Grand Rapids MN	107.3 MHz
W226AY	141839	Hinckley MN	93.1 MHz
W248AS	141828	Hinckley MN	97.5 MHz

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Exhibit 1, Page 3

CALL SIGN	FACILITY ID	COMMUNITY	FREQUENCY
K283AN	141856	Hinckley MN	104.5 MHz
W293AV	141860	Hinckley MN	106.5 MHz
W224AO	42928	Houghton MI	92.7 MHz
K201CN	42936	International Falls MN	88.1 MHz
K249BK	42973	International Falls MN	97.7 MHz
K201BW	42952	La Crescent MN	88.1 MHz
K276EW	149175	Olivia MN	103.1 MHz
K280ET	152436	Olivia MN	103.9 MHz
K289AE	42948	Owatonna MN	105.7 MHz
K280EC	42961	Owatonna MN	103.9 MHz
K245AK	152818	Redwood Falls MN	96.9 MHz
W215AI	42942	Roseau MN	90.9 MHz
K264AR	141704	Roseau MN	100.7 MHz
K270AB	42978	Winona MN	101.9 MHz
K297AH	42907	Winona MN	107.3 MHz

MPR has the following pending applications for construction permits to build new FM noncommercial radio broadcast stations:

FCC FILE NO.	COMMUNITY	FACILITY ID	FREQUENCY
BNPED-20071016AHH	Blue Earth, MN	172494	89.1 MHz
BNPED-20071016AHI	Ely, MN	172758	89.3 MHz
BNPED-20071016AHL	Grand Rapids, MN	172671	89.7 MHz
BNPED-20071016AHK	Hinckley, MN	172640	88.5 MHz
BNPED-20071016AHJ	Hinckley, MN	172667	91.9 MHz
BNPED-20000119ABW	International Falls, MN	122570	89.7 MHz
BNPED-20071016-AHO	Jackson, MN	173386	90.1 MHz
BNPED-20071016AHQ	Mankato, MN	173381	88.7 MHz
BNPED-20071016AHM	Park Rapids, MN	173650	88.1 MHz

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Minnesota Public Radio

Exhibit 1, Page 4

MPR has the following pending application for a construction permit to build a new noncommercial translator station:

BNPFT20000316AAE	Minneapolis, MN	122965	91.9 MHz

MPR has the following Educational Broadband Service (EBS) licenses or construction permits:

CALL SIGN	COMMUNITY	CHANNEL GROUP
WHR-751	Duluth MN	G1,G2,G3,G4
WHR-765	Fargo ND	C1,C2,C3,C4
WHR-750	St. Cloud MN	B1, B2, B3, B4
WHR-754	Mankato MN	A1,A2,A3,A4
WLX-299	Minneapolis MN	A1,A2,A3,A4
WHR-753	Rochester MN	B1,B2,B3,B4
WHR-752	Sioux Falls SD	B1,B2,B3,B4
WHR-497	St Paul MN	B1,B2,B3,B4

EXHIBIT #23
ALLOTMENT

Minnesota Public Radio
Minor Modification to Construction Permit
KRXW
BMPED-20070810ABF
Roseau, MN

March 2008

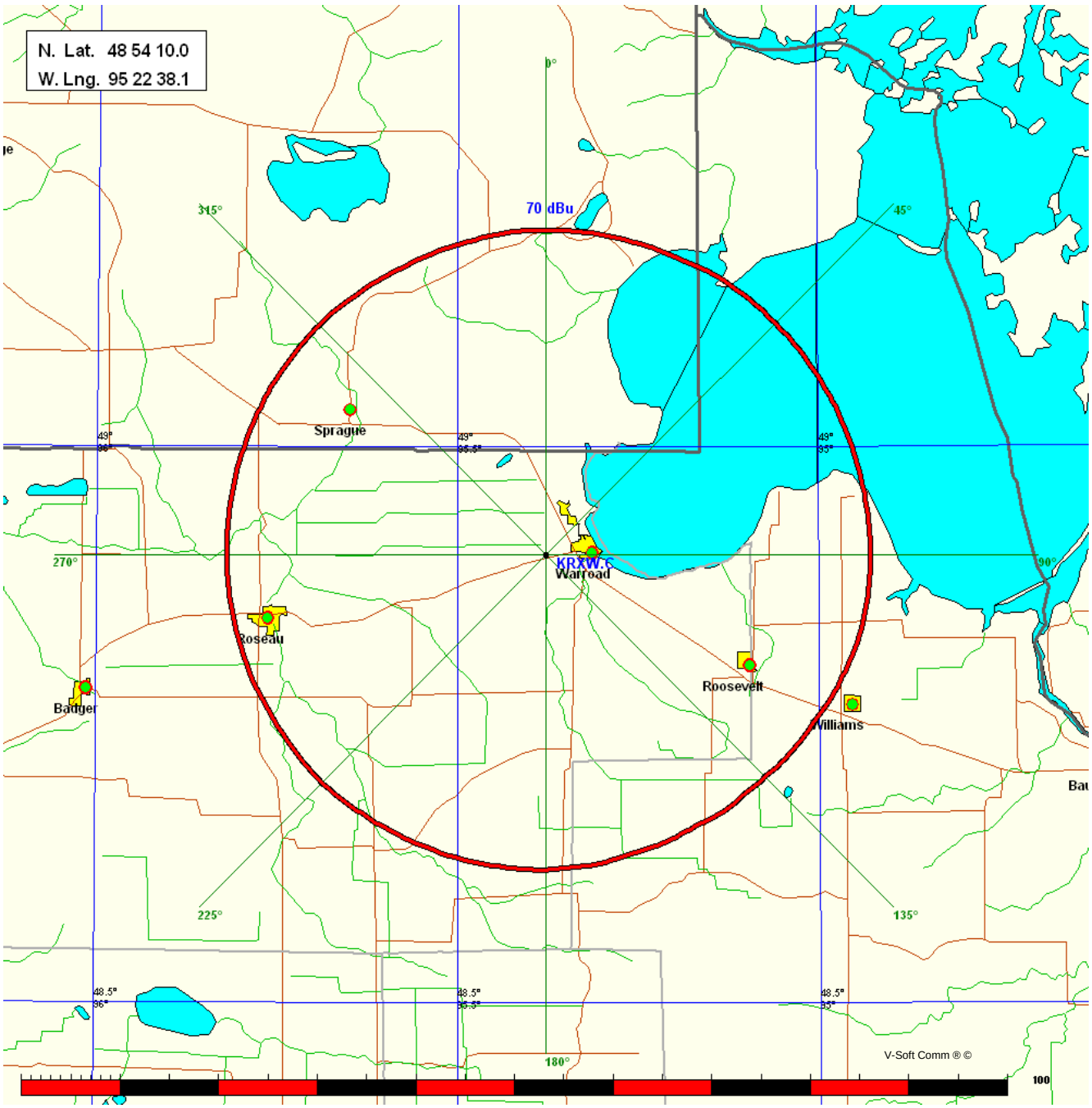
CH 278C2 48 kW H & V

The instant proposal complies with the allotment provisions under Section 73.203(b).

Minnesota Public Radio
KRXW (New) Community Coverage

Coverage Study
03-21-2008

KRXW-C CH278 C2 48.0 kW 478.1M COR
Prot. = 60 dBu. Population = 11,628



N. Lat. = 485410.0   W. Lng. = 952238.1
HAAT and Distance to Contour - FCC Method - NGDC 30 SEC
KRXW (New) - Distance to 70 dBu Contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	70-F5
000	325.6	152.5	48.0000	16.81	1.000	32.56
045	323.0	155.1	48.0000	16.81	1.000	32.84
090	323.0	155.1	48.0000	16.81	1.000	32.84
135	336.5	141.6	48.0000	16.81	1.000	31.37
180	335.4	142.7	48.0000	16.81	1.000	31.48
225	329.0	149.1	48.0000	16.81	1.000	32.18
270	326.7	151.4	48.0000	16.81	1.000	32.44
315	325.4	152.7	48.0000	16.81	1.000	32.58

Ave El= 328.08 M HAAT= 150.02 M AMSL= 478.1

Minnesota Public Radio
Increase antenna height

REFERENCE
48 54 10.0 N.
95 22 38.1 W.

CLASS = C2 Int = B
Current Spacings to 3rd Adj.
Channel 278 - 103.5 MHz

DISPLAY DATES
DATA 03-20-08
SEARCH 03-21-08

Call	Channel	Location		Azi	Dist	FCC	Margin	
KKBJ-FM	LIC 279C1	Bemidji	MN	163.9	155.77	157.5	-1.73	**
CKMM-FM(1	AU -D 276C	Winnipeg	MB	307.4	158.86	124.5	34.36	
CKMM-FM	OP 276C	Winnipeg	MB	307.7	159.54	124.5	35.04	
CKQV-FM	OP 277A	Vermilion Bay	ON	52.5	175.27	136.5	38.77	
KZZY	LIC 278C1	Devils Lake	ND	250.7	290.67	223.5	67.17	
CFQX-FM	OP 281C	Selkirk	MB	321.0	181.24	105.5	75.74	
KSDM	LIC 281C3	International Falls	MN	102.6	150.79	55.5	95.29	

** Protected under Section 73.215 Contour Protection. See Exhibit #30.

Minnesota Public Radio
Increase antenna height

REFERENCE CH# 278C2 - 103.5 MHz, Pwr= 48 kW, HAAT= 150.0 M, COR= 478.1 M DISPLAY DATES
48 54 10.0 N. Average Protected F(50-50)= 51.83 km DATA 03-20-08
95 22 38.1 W. SEARCH 03-21-08

CH CALL / CITY	TYPE ANT / STATE	AZI <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* / (Overlap in km)	*OUT*
278C2 KRXW	CP NCX	0.0	0.00	48 54 10.0	50.000	2.0	12.5	176.5R	-176.5M **
Roseau	MN	0.0	BMPED20070810ABF	95 22 38.1	143	471	Minnesota Public Radio		
279C1 KKBJ-FM^	LIC _CX	163.9	155.77	47 33 21.0	100.000	105.0	72.3	0.39	7.54
Bemidji	MN	344.3	BLH20030825AFX	94 48 04.0	299	719	R.p. Broadcasting, Inc.		
277A CKQV-FM«	OP _HN	52.5	175.27	49 50 37.0	1.600	39.3	36.0	136.5R	38.8M
Vermilion Bay	ON	234.0	7959	93 26 26.0	153	533	Ckqv-fm		
276C CKMM-FM(1«	AU DHY	307.4	158.87	49 45 20.0	100.000	8.4	68.9	124.5R	34.4M
Winnipeg	MB	126.1	2585	97 07 52.0	206	438	Ckmm-fm(1)		
276C CKMM-FM«	OP _HN	307.7	159.55	49 45 54.0	100.000	6.1	56.7	124.5R	35.0M
Winnipeg	MB	126.3	2585	97 07 56.0	110	342	Ckmm-fm		
278C1 KZZY«	LIC _CX	250.7	290.67	47 58 49.0	100.000	156.8	59.9	223.5R	67.2M
Devils Lake	ND	67.9	BLH20040204ABL	99 03 11.0	138	592	Double Z Broadcasting, Inc		
281C3 KSDM«	LIC _CN	102.6	150.79	48 35 29.0	8.500	2.3	22.4	55.5R	95.3M
International Falls	MN	284.1	BLH19940422KE	93 22 54.0	52	397	Red Rock Radio Corp.		

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC Spacings in KM, Distance + M = Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 2. With 3rd Adj Channels.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
"«" = Station meets FCC minimum distance spacing for its class.
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements
** Facility being modified.

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 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 contour overlap. Listed antenna heights and power are the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station is used and vise 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 contour overlap.

Under the "AZIMUTH" 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 and relationships with commercial channel stations the minimum spacings 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".

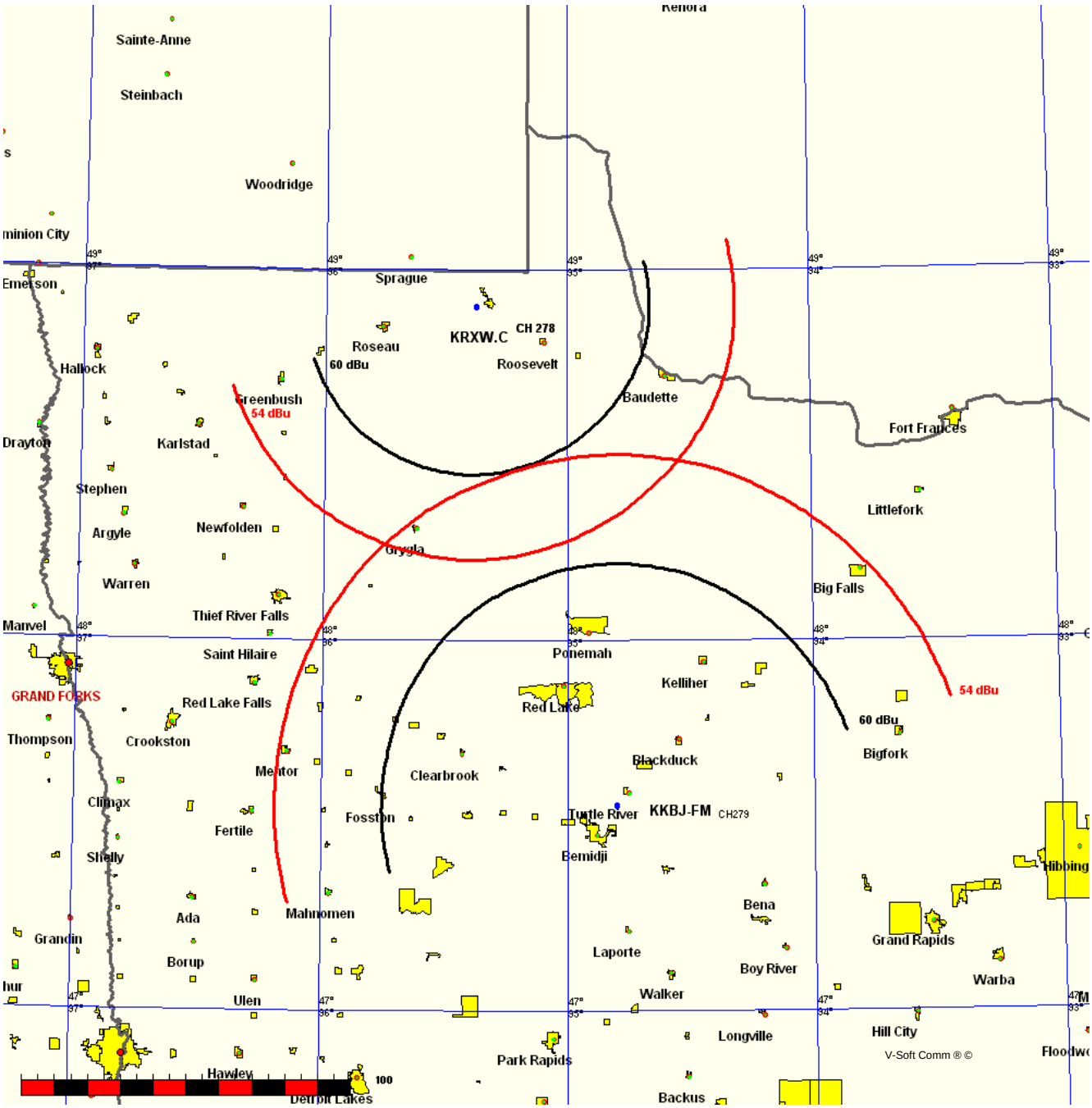
The call letters of stations meeting the minimum separation distances will be flagged by the characters “<<” appended to the end of the call letters. The “^” character appended to the call letters means the station has been “max-classed” according to the provisions of section 73.525 of the Rules.

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
KRXW (New) v. KKBJ-FM (Max)

FMCommander Single Allocation Study
03-21-2008

KRXW.C CH 278 C2	KKBJ-FM CH 279 C1 BLH20030825AFX
48.0 kW 478.1 M COR	100.0 kW, 718.7 M COR
Prot. = 60 dBu	Prot. = 60 dBu
Intef. = 54 dBu	Intef. = 54 dBu



03-21-2008 NGDC 30 SEC Terrain Data FMOver Analysis

KRXW.C
Channel = 278C2
Max ERP = 48 kW
RCAMSL = 478.1 M
N. Lat. 48 54 10.0
W. Lng. 95 22 38.1
Protected
60 dBu

KKBJ-FM BLH20030825AFX
Channel = 279C1
Max ERP = 100 kW
RCAMSL = 718.7 M
N. Lat. 47 33 21.0
W. Lng. 94 48 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
104.0	048.0000	0154.1	052.4	003.6	100.0000	0301.2	137.2	46.50
105.0	048.0000	0153.7	052.3	003.5	100.0000	0301.2	136.3	46.69
106.0	048.0000	0153.3	052.3	003.4	100.0000	0301.2	135.4	46.88
107.0	048.0000	0152.8	052.2	003.3	100.0000	0301.3	134.5	47.07
108.0	048.0000	0152.5	052.2	003.1	100.0000	0301.3	133.7	47.26
109.0	048.0000	0152.0	052.1	003.0	100.0000	0301.3	132.8	47.45
110.0	048.0000	0151.6	052.0	002.9	100.0000	0301.4	131.9	47.63
111.0	048.0000	0151.2	052.0	002.7	100.0000	0301.4	131.1	47.82
112.0	048.0000	0150.8	051.9	002.6	100.0000	0301.5	130.3	48.00
113.0	048.0000	0150.6	051.9	002.4	100.0000	0301.5	129.4	48.18
114.0	048.0000	0150.3	051.9	002.3	100.0000	0301.6	128.6	48.36
115.0	048.0000	0149.9	051.8	002.1	100.0000	0301.7	127.8	48.53
116.0	048.0000	0149.5	051.8	001.9	100.0000	0301.7	127.0	48.70
117.0	048.0000	0148.9	051.7	001.7	100.0000	0301.8	126.2	48.87
118.0	048.0000	0148.2	051.6	001.5	100.0000	0301.9	125.4	49.04
119.0	048.0000	0147.6	051.5	001.2	100.0000	0302.0	124.7	49.20
120.0	048.0000	0147.0	051.4	001.0	100.0000	0302.1	123.9	49.36
121.0	048.0000	0146.6	051.4	000.8	100.0000	0302.1	123.2	49.52
122.0	048.0000	0146.2	051.3	000.5	100.0000	0302.2	122.4	49.68
123.0	048.0000	0146.0	051.3	000.3	100.0000	0302.2	121.7	49.84
124.0	048.0000	0145.8	051.3	000.1	100.0000	0302.2	121.0	50.00
125.0	048.0000	0145.6	051.2	359.8	100.0000	0302.2	120.3	50.15
126.0	048.0000	0145.2	051.2	359.5	100.0000	0302.1	119.6	50.30
127.0	048.0000	0144.9	051.1	359.3	100.0000	0302.1	118.9	50.45
128.0	048.0000	0144.5	051.1	359.0	100.0000	0302.1	118.2	50.60
129.0	048.0000	0144.2	051.0	358.7	100.0000	0302.0	117.6	50.75
130.0	048.0000	0143.9	051.0	358.4	100.0000	0302.0	116.9	50.89
131.0	048.0000	0143.6	051.0	358.1	100.0000	0301.9	116.3	51.04
132.0	048.0000	0143.2	050.9	357.7	100.0000	0301.9	115.7	51.18
133.0	048.0000	0142.7	050.8	357.4	100.0000	0301.7	115.1	51.31
134.0	048.0000	0142.1	050.8	357.0	100.0000	0301.6	114.6	51.44
135.0	048.0000	0141.6	050.7	356.7	100.0000	0301.4	114.0	51.56
136.0	048.0000	0141.2	050.6	356.3	100.0000	0301.3	113.5	51.69
137.0	048.0000	0140.9	050.6	356.0	100.0000	0301.1	113.0	51.82
138.0	048.0000	0140.7	050.6	355.6	100.0000	0301.0	112.5	51.94
139.0	048.0000	0140.4	050.5	355.2	100.0000	0300.9	112.0	52.07
140.0	048.0000	0140.3	050.5	354.9	100.0000	0300.9	111.5	52.20

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
141.0	048.0000	0140.4	050.5	354.5	100.0000	0300.9	111.0	52.33
142.0	048.0000	0140.6	050.5	354.1	100.0000	0300.9	110.5	52.46
143.0	048.0000	0140.7	050.6	353.7	100.0000	0300.9	110.0	52.59
144.0	048.0000	0140.8	050.6	353.3	100.0000	0300.9	109.6	52.71
145.0	048.0000	0140.7	050.6	352.9	100.0000	0300.9	109.2	52.83
146.0	048.0000	0140.6	050.5	352.5	100.0000	0300.9	108.8	52.94
147.0	048.0000	0140.2	050.5	352.1	100.0000	0301.0	108.5	53.03
148.0	048.0000	0139.6	050.4	351.6	100.0000	0301.0	108.2	53.11
149.0	048.0000	0139.0	050.3	351.2	100.0000	0301.1	107.9	53.19
150.0	048.0000	0138.7	050.3	350.7	100.0000	0301.0	107.7	53.27
151.0	048.0000	0138.6	050.3	350.3	100.0000	0301.0	107.4	53.35
152.0	048.0000	0138.7	050.3	349.9	100.0000	0300.9	107.1	53.43
153.0	048.0000	0138.7	050.3	349.4	100.0000	0300.9	106.8	53.50
154.0	048.0000	0138.9	050.3	349.0	100.0000	0300.8	106.6	53.57
155.0	048.0000	0139.2	050.4	348.5	100.0000	0300.9	106.3	53.65
156.0	048.0000	0139.5	050.4	348.0	100.0000	0300.9	106.1	53.72
157.0	048.0000	0139.6	050.4	347.6	100.0000	0300.9	105.9	53.77
158.0	048.0000	0139.5	050.4	347.1	100.0000	0300.8	105.8	53.80
159.0	048.0000	0139.4	050.4	346.6	100.0000	0300.6	105.7	53.83
160.0	048.0000	0139.3	050.4	346.2	100.0000	0300.4	105.6	53.85
161.0	048.0000	0139.2	050.4	345.7	100.0000	0300.2	105.6	53.86
162.0	048.0000	0139.1	050.3	345.2	100.0000	0299.9	105.5	53.87
163.0	048.0000	0139.2	050.3	344.7	100.0000	0299.7	105.5	53.87
164.0	048.0000	0139.2	050.3	344.3	100.0000	0299.5	105.5	53.87
165.0	048.0000	0139.2	050.3	343.8	100.0000	0299.2	105.5	53.86
166.0	048.0000	0139.3	050.4	343.3	100.0000	0298.9	105.5	53.84
167.0	048.0000	0139.8	050.4	342.8	100.0000	0298.6	105.5	53.83
168.0	048.0000	0140.4	050.5	342.3	100.0000	0298.3	105.5	53.83
169.0	048.0000	0140.9	050.6	341.9	100.0000	0297.9	105.5	53.81
170.0	048.0000	0141.2	050.6	341.4	100.0000	0297.6	105.6	53.77
171.0	048.0000	0141.3	050.6	340.9	100.0000	0297.4	105.7	53.72
172.0	048.0000	0141.4	050.7	340.4	100.0000	0297.2	105.9	53.67
173.0	048.0000	0141.4	050.7	340.0	100.0000	0297.2	106.1	53.61
174.0	048.0000	0141.4	050.7	339.5	100.0000	0297.2	106.3	53.55
175.0	048.0000	0141.4	050.7	339.1	100.0000	0297.4	106.6	53.48
176.0	048.0000	0141.4	050.7	338.6	100.0000	0297.6	106.8	53.41
177.0	048.0000	0141.5	050.7	338.1	100.0000	0297.8	107.1	53.33
178.0	048.0000	0142.0	050.7	337.7	100.0000	0298.0	107.3	53.27
179.0	048.0000	0142.4	050.8	337.2	100.0000	0298.3	107.6	53.20
180.0	048.0000	0142.7	050.8	336.8	100.0000	0298.5	107.9	53.12
181.0	048.0000	0142.8	050.8	336.4	100.0000	0298.8	108.3	53.02
182.0	048.0000	0142.9	050.9	335.9	100.0000	0299.2	108.7	52.93
183.0	048.0000	0143.0	050.9	335.5	100.0000	0299.5	109.1	52.82
184.0	048.0000	0143.0	050.9	335.1	100.0000	0299.9	109.5	52.72
185.0	048.0000	0143.0	050.9	334.7	100.0000	0300.3	109.9	52.60
186.0	048.0000	0143.0	050.9	334.3	100.0000	0300.7	110.4	52.49
187.0	048.0000	0142.8	050.9	333.9	100.0000	0301.0	110.9	52.36
188.0	048.0000	0142.7	050.8	333.6	100.0000	0301.4	111.4	52.24
189.0	048.0000	0142.8	050.9	333.2	100.0000	0301.7	111.9	52.11
190.0	048.0000	0143.0	050.9	332.8	100.0000	0302.1	112.4	51.99
191.0	048.0000	0143.2	050.9	332.5	100.0000	0302.3	112.9	51.86

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
192.0	048.0000	0143.3	050.9	332.1	100.0000	0302.6	113.5	51.73
193.0	048.0000	0143.4	050.9	331.8	100.0000	0302.8	114.1	51.59
194.0	048.0000	0143.5	050.9	331.4	100.0000	0302.9	114.7	51.45
195.0	048.0000	0143.6	051.0	331.1	100.0000	0303.0	115.3	51.31
196.0	048.0000	0143.7	051.0	330.8	100.0000	0303.1	115.9	51.16
197.0	048.0000	0144.0	051.0	330.5	100.0000	0303.1	116.5	51.02
198.0	048.0000	0144.1	051.0	330.2	100.0000	0303.2	117.2	50.87
199.0	048.0000	0144.2	051.1	329.9	100.0000	0303.3	117.8	50.72
200.0	048.0000	0144.2	051.1	329.6	100.0000	0303.3	118.5	50.57
201.0	048.0000	0144.2	051.1	329.3	100.0000	0303.4	119.2	50.42
202.0	048.0000	0144.2	051.1	329.1	100.0000	0303.6	119.9	50.26
203.0	048.0000	0144.3	051.1	328.8	100.0000	0303.7	120.6	50.11
204.0	048.0000	0144.4	051.1	328.6	100.0000	0303.9	121.4	49.95
205.0	048.0000	0144.5	051.1	328.3	100.0000	0304.0	122.1	49.80
206.0	048.0000	0144.7	051.1	328.1	100.0000	0304.2	122.8	49.64
207.0	048.0000	0145.0	051.2	327.9	100.0000	0304.3	123.6	49.49
208.0	048.0000	0145.2	051.2	327.7	100.0000	0304.5	124.3	49.33
209.0	048.0000	0145.4	051.2	327.5	100.0000	0304.6	125.1	49.17
210.0	048.0000	0145.5	051.2	327.3	100.0000	0304.7	125.9	49.00
211.0	048.0000	0145.7	051.3	327.1	100.0000	0304.7	126.7	48.84
212.0	048.0000	0146.0	051.3	326.9	100.0000	0304.8	127.5	48.67
213.0	048.0000	0146.2	051.3	326.7	100.0000	0304.8	128.3	48.49
214.0	048.0000	0146.3	051.3	326.5	100.0000	0304.8	129.1	48.32
215.0	048.0000	0146.5	051.4	326.4	100.0000	0304.8	129.9	48.14
216.0	048.0000	0146.7	051.4	326.2	100.0000	0304.7	130.8	47.96
217.0	048.0000	0147.1	051.4	326.1	100.0000	0304.7	131.6	47.78
218.0	048.0000	0147.4	051.5	326.0	100.0000	0304.6	132.5	47.60
219.0	048.0000	0147.6	051.5	325.8	100.0000	0304.6	133.3	47.41
220.0	048.0000	0147.8	051.5	325.7	100.0000	0304.5	134.2	47.23
221.0	048.0000	0148.1	051.6	325.6	100.0000	0304.5	135.0	47.04
222.0	048.0000	0148.5	051.6	325.5	100.0000	0304.4	135.9	46.85
223.0	048.0000	0148.8	051.7	325.4	100.0000	0304.4	136.8	46.67
224.0	048.0000	0149.0	051.7	325.3	100.0000	0304.3	137.6	46.48

03-21-2008 NGDC 30 SEC Terrain Data

KKBJ-FM BLH20030825AFX
Channel = 279C1
Max ERP = 100 kW
RCAMSL = 718.7 M
N. Lat. 47 33 21.0
W. Lng. 94 48 04.0
Protected
60 dBu

KRXW.C
Channel = 278C2
Max ERP = 48 kW
RCAMSL = 478.1 M
N. Lat. 48 54 10.0
W. Lng. 95 22 38.1
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
284.0	100.0000	0290.3	071.6	191.2	048.0000	0143.2	135.4	40.09
285.0	100.0000	0290.8	071.7	191.2	048.0000	0143.2	134.2	40.34
286.0	100.0000	0291.4	071.7	191.2	048.0000	0143.2	132.9	40.59
287.0	100.0000	0291.8	071.7	191.1	048.0000	0143.2	131.7	40.83
288.0	100.0000	0292.3	071.8	191.1	048.0000	0143.2	130.4	41.07
289.0	100.0000	0292.6	071.8	191.0	048.0000	0143.2	129.2	41.31
290.0	100.0000	0292.8	071.8	191.0	048.0000	0143.2	127.9	41.55
291.0	100.0000	0293.2	071.8	190.9	048.0000	0143.2	126.7	41.78
292.0	100.0000	0293.8	071.9	190.8	048.0000	0143.2	125.5	42.01
293.0	100.0000	0294.6	072.0	190.7	048.0000	0143.2	124.2	42.24
294.0	100.0000	0295.3	072.0	190.6	048.0000	0143.1	123.0	42.47
295.0	100.0000	0295.7	072.0	190.5	048.0000	0143.1	121.7	42.70
296.0	100.0000	0295.9	072.1	190.4	048.0000	0143.1	120.5	42.92
297.0	100.0000	0296.0	072.1	190.2	048.0000	0143.1	119.3	43.15
298.0	100.0000	0296.4	072.1	190.0	048.0000	0143.0	118.1	43.37
299.0	100.0000	0296.8	072.1	189.9	048.0000	0143.0	116.9	43.59
300.0	100.0000	0297.2	072.2	189.7	048.0000	0143.0	115.7	43.82
301.0	100.0000	0297.6	072.2	189.5	048.0000	0142.9	114.5	44.04
302.0	100.0000	0297.9	072.2	189.3	048.0000	0142.9	113.3	44.26
303.0	100.0000	0298.2	072.2	189.0	048.0000	0142.8	112.2	44.49
304.0	100.0000	0298.5	072.3	188.8	048.0000	0142.8	111.0	44.72
305.0	100.0000	0298.8	072.3	188.5	048.0000	0142.7	109.9	44.95
306.0	100.0000	0299.1	072.3	188.2	048.0000	0142.7	108.7	45.19
307.0	100.0000	0299.5	072.3	187.9	048.0000	0142.7	107.6	45.43
308.0	100.0000	0300.0	072.4	187.6	048.0000	0142.8	106.5	45.68
309.0	100.0000	0300.7	072.4	187.3	048.0000	0142.8	105.4	45.94
310.0	100.0000	0301.4	072.5	186.9	048.0000	0142.9	104.3	46.19
311.0	100.0000	0302.1	072.5	186.6	048.0000	0142.9	103.2	46.45
312.0	100.0000	0302.8	072.6	186.2	048.0000	0142.9	102.1	46.71
313.0	100.0000	0303.5	072.6	185.8	048.0000	0143.0	101.0	46.97
314.0	100.0000	0303.8	072.7	185.4	048.0000	0143.0	100.0	47.23
315.0	100.0000	0304.0	072.7	184.9	048.0000	0143.0	099.0	47.48
316.0	100.0000	0303.9	072.7	184.4	048.0000	0143.0	098.1	47.74
317.0	100.0000	0303.9	072.7	183.9	048.0000	0143.0	097.1	47.99

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
318.0	100.0000	0303.8	072.7	183.4	048.0000	0143.0	096.2	48.23
319.0	100.0000	0303.6	072.7	182.9	048.0000	0142.9	095.3	48.47
320.0	100.0000	0303.2	072.6	182.3	048.0000	0142.9	094.5	48.70
321.0	100.0000	0302.8	072.6	181.7	048.0000	0142.8	093.6	48.93
322.0	100.0000	0302.6	072.6	181.1	048.0000	0142.8	092.8	49.15
323.0	100.0000	0302.8	072.6	180.5	048.0000	0142.7	092.0	49.37
324.0	100.0000	0303.4	072.6	179.9	048.0000	0142.6	091.2	49.60
325.0	100.0000	0304.1	072.7	179.3	048.0000	0142.6	090.5	49.82
326.0	100.0000	0304.7	072.7	178.6	048.0000	0142.3	089.7	50.02
327.0	100.0000	0304.7	072.7	177.9	048.0000	0141.9	089.0	50.20
328.0	100.0000	0304.3	072.7	177.2	048.0000	0141.6	088.4	50.36
329.0	100.0000	0303.6	072.7	176.5	048.0000	0141.4	087.9	50.52
330.0	100.0000	0303.2	072.6	175.7	048.0000	0141.4	087.3	50.68
331.0	100.0000	0303.0	072.6	175.0	048.0000	0141.4	086.8	50.84
332.0	100.0000	0302.6	072.6	174.2	048.0000	0141.4	086.3	50.97
333.0	100.0000	0301.9	072.5	173.4	048.0000	0141.4	085.9	51.10
334.0	100.0000	0301.0	072.5	172.6	048.0000	0141.4	085.5	51.20
335.0	100.0000	0300.0	072.4	171.8	048.0000	0141.4	085.2	51.30
336.0	100.0000	0299.1	072.3	170.9	048.0000	0141.3	084.9	51.38
337.0	100.0000	0298.4	072.3	170.1	048.0000	0141.2	084.7	51.45
338.0	100.0000	0297.8	072.2	169.3	048.0000	0141.0	084.4	51.51
339.0	100.0000	0297.4	072.2	168.4	048.0000	0140.7	084.2	51.56
340.0	100.0000	0297.2	072.2	167.6	048.0000	0140.1	084.0	51.58
341.0	100.0000	0297.4	072.2	166.7	048.0000	0139.6	083.9	51.61
342.0	100.0000	0298.0	072.2	165.9	048.0000	0139.3	083.7	51.65
343.0	100.0000	0298.7	072.3	165.0	048.0000	0139.2	083.6	51.68
344.0	100.0000	0299.4	072.3	164.1	048.0000	0139.2	083.5	51.70
345.0	100.0000	0299.8	072.4	163.3	048.0000	0139.2	083.5	51.71
346.0	100.0000	0300.3	072.4	162.4	048.0000	0139.2	083.5	51.71
347.0	100.0000	0300.8	072.4	161.5	048.0000	0139.1	083.6	51.69
348.0	100.0000	0300.9	072.5	160.7	048.0000	0139.2	083.7	51.66
349.0	100.0000	0300.8	072.4	159.8	048.0000	0139.4	083.9	51.61
350.0	100.0000	0301.0	072.5	159.0	048.0000	0139.4	084.1	51.55
351.0	100.0000	0301.0	072.5	158.1	048.0000	0139.5	084.3	51.48
352.0	100.0000	0301.0	072.5	157.3	048.0000	0139.5	084.6	51.39
353.0	100.0000	0300.9	072.5	156.5	048.0000	0139.6	084.9	51.29
354.0	100.0000	0300.9	072.5	155.7	048.0000	0139.4	085.3	51.18
355.0	100.0000	0300.9	072.5	154.9	048.0000	0139.2	085.7	51.05
356.0	100.0000	0301.1	072.5	154.1	048.0000	0138.9	086.2	50.91
357.0	100.0000	0301.5	072.5	153.3	048.0000	0138.8	086.6	50.77
358.0	100.0000	0301.9	072.5	152.5	048.0000	0138.7	087.1	50.62
359.0	100.0000	0302.1	072.5	151.8	048.0000	0138.7	087.7	50.46
000.0	100.0000	0302.2	072.6	151.0	048.0000	0138.6	088.2	50.29
001.0	100.0000	0302.1	072.5	150.3	048.0000	0138.7	088.9	50.11
002.0	100.0000	0301.7	072.5	149.6	048.0000	0138.8	089.5	49.92
003.0	100.0000	0301.3	072.5	149.0	048.0000	0139.0	090.3	49.73
004.0	100.0000	0301.1	072.5	148.3	048.0000	0139.4	091.0	49.54
005.0	100.0000	0300.9	072.5	147.7	048.0000	0139.8	091.8	49.34
006.0	100.0000	0300.6	072.4	147.1	048.0000	0140.2	092.5	49.13
007.0	100.0000	0300.3	072.4	146.5	048.0000	0140.5	093.4	48.91
008.0	100.0000	0300.4	072.4	145.9	048.0000	0140.6	094.2	48.69

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
009.0	100.0000	0300.6	072.4	145.3	048.0000	0140.7	095.0	48.46
010.0	100.0000	0300.7	072.4	144.8	048.0000	0140.7	095.9	48.22
011.0	100.0000	0300.9	072.5	144.2	048.0000	0140.8	096.8	47.98
012.0	100.0000	0301.0	072.5	143.7	048.0000	0140.8	097.7	47.74
013.0	100.0000	0301.4	072.5	143.2	048.0000	0140.8	098.7	47.50
014.0	100.0000	0302.1	072.5	142.7	048.0000	0140.7	099.6	47.25
015.0	100.0000	0302.7	072.6	142.3	048.0000	0140.6	100.6	47.01
016.0	100.0000	0303.2	072.6	141.8	048.0000	0140.5	101.6	46.76
017.0	100.0000	0303.3	072.6	141.4	048.0000	0140.5	102.6	46.50
018.0	100.0000	0302.9	072.6	141.0	048.0000	0140.4	103.7	46.25
019.0	100.0000	0302.2	072.5	140.7	048.0000	0140.3	104.7	45.99
020.0	100.0000	0301.2	072.5	140.3	048.0000	0140.3	105.9	45.73
021.0	100.0000	0300.7	072.4	140.0	048.0000	0140.3	107.0	45.48
022.0	100.0000	0300.5	072.4	139.7	048.0000	0140.3	108.1	45.24
023.0	100.0000	0300.4	072.4	139.4	048.0000	0140.4	109.2	45.00
024.0	100.0000	0300.1	072.4	139.1	048.0000	0140.4	110.4	44.76
025.0	100.0000	0299.6	072.4	138.9	048.0000	0140.5	111.5	44.53
026.0	100.0000	0299.1	072.3	138.6	048.0000	0140.5	112.7	44.30
027.0	100.0000	0298.5	072.3	138.4	048.0000	0140.6	113.9	44.08
028.0	100.0000	0298.1	072.2	138.2	048.0000	0140.6	115.1	43.86
029.0	100.0000	0298.0	072.2	138.0	048.0000	0140.7	116.3	43.63
030.0	100.0000	0298.5	072.3	137.8	048.0000	0140.7	117.5	43.42
031.0	100.0000	0298.9	072.3	137.6	048.0000	0140.8	118.7	43.20
032.0	100.0000	0299.1	072.3	137.4	048.0000	0140.8	119.9	42.98
033.0	100.0000	0299.2	072.3	137.2	048.0000	0140.9	121.1	42.75
034.0	100.0000	0299.2	072.3	137.1	048.0000	0140.9	122.3	42.53
035.0	100.0000	0299.3	072.3	136.9	048.0000	0140.9	123.5	42.31
036.0	100.0000	0299.4	072.3	136.8	048.0000	0141.0	124.8	42.08
037.0	100.0000	0299.6	072.4	136.7	048.0000	0141.0	126.0	41.85
038.0	100.0000	0299.9	072.4	136.6	048.0000	0141.0	127.2	41.62
039.0	100.0000	0300.5	072.4	136.5	048.0000	0141.1	128.5	41.39
040.0	100.0000	0301.0	072.5	136.4	048.0000	0141.1	129.7	41.15
041.0	100.0000	0301.2	072.5	136.3	048.0000	0141.1	131.0	40.91
042.0	100.0000	0301.2	072.5	136.3	048.0000	0141.1	132.3	40.66
043.0	100.0000	0301.1	072.5	136.2	048.0000	0141.1	133.5	40.41
044.0	100.0000	0301.1	072.5	136.2	048.0000	0141.2	134.8	40.16

Exhibit #31

ENVIRONMENTAL PROTECTION ACT

Minnesota Public Radio
Minor Modification to Construction Permit
KRXW
BMPED-20070810ABF
Roseau, MN
March 2008

CH 278C2 48 kW H & V

The applicant proposes the use of existing registered tower ASR #1023320, built in 1971. Since this structure was constructed prior to April 2001, it is excluded from environmental processing.

The proposed ten-bay, circularly polarized antenna will be energized such that it produces 48 kW effective radiated power from a center of radiation of 141.3 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 following table of exposure levels were developed for six common antennas.

Antenna (Type#)	Level at 2 m above ground ($\mu W/cm^2$)	% of maximum Controlled area	% of maximum Uncontrolled area
Jampro (#2)	11.489	1.45	5.74
ERI (#3)	4.923	0.49	2.46
Dielectric (#5)	13.130	1.31	6.56
Shively (#6)	0.821	0.08	0.41
Dielectric DCRM (#7)	5.446	0.54	2.72
Dielectric DCRQ (#8)	8.266	0.83	4.13

There are two other sources of RF on the tower. WPQH795 is classified Industrial Business Pool/Trunked and WPYY873 is Industrial Business Pool/Conventional. Both operations are regulated under Part 90 of FCC Rules for Private Land Mobile Radio Services. Table 2 of OET Bulletin No. 65 states that these operations are not subject to RF emissions evaluation if the antenna height is greater than 10 meters and power is less than 1000 watts. WPQH795 transmits 300 watts at a height of 151 meters. WPYY873 transmits 123 watts at a height of 150.8 meters. These transmitters are therefore categorically excluded from evaluation.

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.