

Reference Copy Only. Do Not Mail to the FCC as an Application.

Submitted: 08/10/2015 at 13:48:49
 File Number: 0006884007

FCC 601
Main Form

FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau Public Safety and Homeland Security Bureau

Approved by OMB
 3060 - 0798
 See instructions for
 public burden estimate

| | |
|-------------------------------------|----------------------------------|
| 1) Radio Service Code: AS | 1a) Existing Radio Service Code: |
|-------------------------------------|----------------------------------|

General Information

| | |
|---|--|
| 2) (Select only one) (AM) NE - New RO - Renewal Only AU - Administrative Update NT - Required Notifications MD - Modification RM - Renewal/Modification WD - Withdrawal of Application EX - Requests for Extension of Time AM - Amendment CA - Cancellation of License DU - Duplicate License RL - Registered Location/Link | |
| 3a) If this application is for a D evelopmental License, D emonstration License, or a S pecial Temporary Authorization (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter ' N ' (Not Applicable). | (N) D M S N/A |
| 3b) If this application is for Special Temporary Authority due to an emergency situation, enter 'Y'; otherwise enter 'N'. Refer to Rule 1.915 for an explanation of situations considered to be an emergency. | () Yes No |
| 4) If this application is for an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC. | File Number 0006884007 |
| 5) If this application is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign of the existing FCC license. If this is a request for Registered Location/Link, enter the FCC call sign assigned to the geographic license. | Call Sign WLI694 |
| 6) If this application is for a New, Amendment, Renewal Only, or Renewal/Modification, enter the requested authorization expiration date (this item is optional). | MM DD / |
| 7) Is this application "major" as defined in §1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of §1.929). | () Yes No |
| 8) Are attachments (other than associated schedules) being filed with this application? | (Y) Yes No |

Fees, Waivers, and Exemptions

| | |
|---|-----------------------------------|
| 9) Is the Applicant exempt from FCC application fees? | (Y) Yes No |
| 10) Is the Applicant exempt from FCC regulatory fees? | (Y) Yes No |
| 11a) Does this application include a request for a Waiver of the Commission's Rule(s)? If 'Yes', attach an exhibit providing rule number(s) and explaining circumstances. | (N) Yes No |
| 11b) If 11a is 'Y', enter the number of rule sections involved. | Number of Rule Section(s): _____ |
| 12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station? | (N) Yes No |

Applicant Information

| | | | |
|---|-------------------------|--|--------------------------|
| 13) FCC Registration Number (FRN): 0002642510 | | | |
| 14) Applicant/Licensee Legal Entity Type: (Select One) () Individual () Unincorporated Association () Trust () Government Entity (<input checked="" type="checkbox"/>) Corporation () Limited Liability Company () General Partnership () Limited Partnership () Limited Liability Partnership () Consortium () Other: _____ | | | |
| 15) If the Licensee name is being updated, is the update a result from the sale (or transfer of control) of the license(s) to another party and for which proper Commission approval has not been received or proper notification not provided? | | | () <u>Yes</u> No |
| 16) First Name (if individual): | MI: | Last Name: | Suffix: |
| 17) Legal Entity Name (if other than individual): MINNESOTA PUBLIC RADIO | | | |
| 18) Attention To: | | | |
| 19) P.O. Box: | And/Or | 20) Street Address: 480 CEDAR ST | |
| 21) City: SAINT PAUL | 22) State: MN | 23) Zip Code: 55101-2217 | |
| 24) Telephone Number: (651)290-1500 | | 25) FAX: | |
| 26) E-Mail Address: fccfiling@mpr.org | | | |

27) Demographics (Optional):

| | | |
|--|---|--|
| Race: () American Indian or Alaska Native () Asian () Black or African-American () Native Hawaiian or Other Pacific Islander () White | Ethnicity: () Hispanic or Latino () Not Hispanic or Latino | Gender: () Male () Female |
|--|---|--|

Real Party in Interest

| | |
|--|--|
| 28) Name of Real Party in Interest of Applicant (If different from Applicant): | 29) FCC Registration Number (FRN) of Real Party in Interest: |
|--|--|

Contact Information (If different from the Applicant)**() Check here if same as Applicant.**

| | | | |
|--|-------------------------|----------------------------------|---------|
| 30) First Name: | MI: | Last Name: | Suffix: |
| 31) Company Name: Jeremy Ruck & Associates, Inc. | | | |
| 32) Attention To: Jeremy D. Ruck, PE | | | |
| 33) P.O. Box: 415 | And /Or | 34) Street Address: | |
| 35) City: Canton | 36) State: IL | 37) Zip Code: 61520 | |
| 38) Telephone Number: (309)647-1200 | | 39) FAX: (855)332-9537 | |
| 40) E-Mail Address: jeremy@jeremyruck.com | | | |

Regulatory Status

| | | | |
|--|--|--|--|
| 41) This filing is for authorization to provide or use the following type(s) of radio service offering (enter all that apply): () <u>Common Carrier</u> () <u>Non-Common Carrier</u> (<input checked="" type="checkbox"/>) <u>Private</u> , internal communications () <u>Broadcast Services</u> () <u>Band Manager</u> | | | |
|--|--|--|--|

Type of Radio Service

42) This filing is for authorization to provide the following type(s) of radio service (choose all that apply):

()Fixed ()Mobile ()Radiolocation ()Satellite (sound) ()Broadcast Services43) Does the Applicant propose to provide service interconnected to the public telephone network? ()Yes ()No**Alien Ownership Questions (If any answer is 'Y', provide an attachment explaining the circumstances. In preparing the attachment, refer to the Main Form Instructions for the "Alien Ownership Questions".)**44) Is the Applicant a foreign government or the representative of any foreign government? ()Yes ()No45) Is the Applicant an alien or the representative of an alien? ()Yes ()No46) Is the Applicant a corporation organized under the laws of any foreign government? ()Yes ()No47) Is the Applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? ()Yes ()No48a) Is the Applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens or their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? ()Yes ()No

48b) If the answer to 47 or 48a is 'Y' select one of the choices below.

 The Applicant is exempt from the provisions of Section 310(b).*If not necessary to file a petition for declaratory ruling if the Applicant includes in the attachment required by Item 47 or Item 48a a showing that the requested license(s) is exempt from the provisions of Section 310(b).* The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized.*If checked, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that there has been no change in the foreign ownership of the Applicant since the issuance of its ruling.* The Applicant: (i) has received a declaratory ruling(s) approving its foreign ownership, but is not able to make the certification specified immediately above; or (ii) is an "affiliate" of a Licensee or Lessee/SubLessee that received a declaratory ruling(s) under Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a), and is relying on the affiliate's ruling for purposes of filing this application as permitted under the affiliate's ruling and Section 1.994(b) of the Rules, 47 C.F.R. § 1.994(b).*If checked, and if the Applicant received its declaratory ruling(s) on or after August 9, 2013, include in the attachment required by Item 47 or Item 48a the citation(s) of the Applicant's declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of its ruling and with the Commission's Rules.**If checked, and if the Applicant received its declaratory ruling(s) prior to August 9, 2013, include in the attachment required by Item 48a a copy of a petition for declaratory ruling filed contemporaneously with the Commission to extend the Applicant's existing ruling(s) to cover the same radio service(s) and geographic coverage area(s) involved in the application. Alternatively, the Applicant may request a new declaratory ruling pursuant to Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).**If checked, and if the Applicant is relying on an affiliate's ruling for purposes of filing this application, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of the named affiliate's ruling and with the Commission's Rules. The Applicant must also include a certification of compliance signed by the named affiliate or other qualified entity as specified in Section 1.994(b) of the Rules, 47 C.F.R. § 1.994(b). See Main Form Instructions for Items 47 or 48a, as applicable.* The Applicant has not received a declaratory ruling approving its foreign ownership and is requesting a declaratory ruling under Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a), in a petition filed contemporaneously with the Commission.*If checked, include in the attachment required by Item 47 or 48a a copy of the petition for declaratory ruling filed contemporaneously with the Commission pursuant to Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).*

Basic Qualification Questions

| | |
|---|---|
| 49) Has the Applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? | (<input type="radio"/> N) <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 50) Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court? | (<input type="radio"/> N) <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 51) Has any court finally adjudged the Applicant or any party directly or indirectly controlling the Applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition? | (<input type="radio"/> N) <input checked="" type="radio"/> Yes <input type="radio"/> No |

If the answer to any of 49-51 is 'Y', attach an exhibit explaining the circumstances.

Aeronautical Advisory Station (Unicom) Certification

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|---|
| 52) (<input type="checkbox"/>) I certify that the station will be located on property of the airport to be served, and, in cases where the airport does not have a control tower, RCO, or FAA flight service station, that I have notified the owner of the airport and all aviation service organizations located at the airport within ten days prior to application. |
|---|

Broadband Radio Service and Educational Broadband Service Cable Cross-Ownership

| | |
|--|--|
| 53a) Will the requested facilities be used to provide multichannel video programming service? | (<input type="checkbox"/>) <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 53b) If the answer to question 53a is 'Y', does the Applicant operate, control or have an attributable interest (as defined in Section 27.1202 of the Commission's Rules) in a cable television system whose franchise area is located within the geographic service area of the requested facilities? | (<input type="checkbox"/>) <input checked="" type="radio"/> Yes <input type="radio"/> No |

Note: If the answer to question 53b is 'Y', attach an exhibit explaining how the Applicant complies with Section 27.1202 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

Broadband Radio Service and Educational Broadband Service (Part 27)

| | |
|--|--|
| 54) (For EBS only) Does the Applicant comply with the programming requirements contained in Section 27.1203 of the Commission's Rules? | (<input type="checkbox"/>) <input checked="" type="radio"/> Yes <input type="radio"/> No |
|--|--|

Note: If the answer to item 54 is 'N', attach an exhibit explaining how the Applicant complies with Section 27.1203 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

| | |
|--|--|
| 55) (For BRS and EBS) Does the Applicant comply with Sections 27.50, 27.55, and 27.1221 of the Commission's Rules? | (<input type="checkbox"/>) <input checked="" type="radio"/> Yes <input type="radio"/> No |
|--|--|

Note: If the answer to item 55 is 'N', attach an exhibit justifying a waiver of that rule(s). If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

General Certification Statements

| |
|---|
| 1) The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. |
| 2) The Applicant certifies that grant of this application would not cause the Applicant to be in violation of any pertinent cross-ownership or attribution rules.* *If the Applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request. |
| 3) The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith. |
| 4) The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR § 1.2002(c). See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification. |
| 5) The Applicant certifies that it either (1) has current required ownership data on file with the Commission, (2) is filing updated ownership data simultaneously with this application, or (3) is not required to file ownership data under the Commission's Rules. |
| 6) The Applicant certifies that the facilities, operations, and transmitters for which this authorization is hereby requested are either: (1) categorically excluded from routine environmental evaluation for RF exposure as set forth in 47 C.F.R. 1.1307(b); or, (2) have been found not to cause human exposure to levels of radiofrequency radiation in excess of the limits specified in 47 C.F.R. 1.1310 and 2.1093; or, (3) are the subject of one or more Environmental Assessments filed with the Commission. |
| 7) The Applicant certifies that it has reviewed the appropriate Commission Rules defining eligibility to hold the requested license(s), and is eligible to hold the requested license(s). |
| 8) The Applicant certifies that it is not in default on any payment for Commission licenses and that it is not delinquent on any non-tax debt owed to any federal agency. |
| 9) The Applicant certifies that the applicant and all of the related individuals and entities required to be disclosed on this application and FCC Form 602 (FCC Ownership Disclosure Information for the Wireless Telecommunications Services) are not person(s) who have been, for reasons of national security, barred by any agency of the Federal Government from bidding on a contract, participating in an auction, or receiving a grant. This certification applies only to applications for licenses for spectrum that is required by Sections 6103, 6401-6403 of the Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C. §§ 309, 1413, 1451-1452, to be assigned by a system of competitive bidding under 47 U.S.C. § 309(j). |

**Frequency Coordination Certification and Supplemental Showing
Pursuant To:**

Section 74.502 or 74.638 – Frequency Coordination
Section 101.103(d) – Frequency Coordination Procedures

This supplemental showing and frequency coordination certification pertains to the request by **Minnesota Public Radio** ("MPR") to modify the existing WLI694 broadcast auxiliary license. Required frequency coordination procedures pursuant to the applicable sections of the Commission's Rules were followed for this application. The proposed changes to the existing facility represent a major change to the existing license.

Notification letters were sent to parties holding authorizations or pending applications for the frequency requested, or for frequencies overlapping the requested frequencies within a radius of 250 kilometers from the actual facility. Each of these coordination letters was dated May 29, 2015, and each was mailed from Canton, Illinois on May 29, 2015.

The parties to which letters were sent were asked to submit their comments, concerns, or objections in writing either via USPS mail or via e-mail within 30 days. By sending the coordination letters via USPS and by providing an email address for the submission of comments, it is believed that accommodation of potential delivery delays was achieved. There are no unresolved comments, questions, or objections concerning the facility as of July 15, 2015. It is therefore believed that MPR has made a reasonable effort to coordinate the facilities. The date of final coordination is assumed to be July 15, 2015.

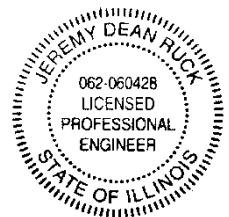
JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415
221 S. 1st Avenue
Canton, IL 61520

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

A table listing the entities and related facilities contacted follows the signature. This is the listing of parties to which notifications concerning the proposed construction were provided. The data sheet provided to entities is also attached.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2015

Jeremy D. Ruck, PE
July 20, 2015

JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415
221 S. 1st Avenue
Canton, IL 61520

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

Tabulation of Facilities Considered

| Call Letters | Address Line 1 |
|--------------|---|
| WLF669 | AMFM BROADCASTING LICENSES, LLC |
| WCX424 | BIG G LITTLE O, INC. |
| WPTY397 | CAPSTAR TX LLC |
| WPUB567 | CAPSTAR TX LLC |
| WPQN797 | CAROL J. DELAHUNT |
| WPJD681 | FOND DU LAC BAND OF LAKE SUPERIOR CHIPPEWA |
| WQJG453 | HERBERT M. HOPPE |
| WMG260 | J & J BROADCASTING, INC. |
| WHF287 | LAC COURTE OREILLES OJIBWA PUBLIC |
| WPNF769 | LITTLE FALLS BROADCASTING COMPANY |
| WPJD602 | LITTLE FALLS RADIO CORPORATION |
| WLF307 | MIDWEST COMMUNICATIONS, INC. |
| WPQY668 | MIDWEST COMMUNICATIONS, INC. |
| WPYK415 | MIDWEST COMMUNICATIONS, INC. |
| WPYL781 | MIDWEST COMMUNICATIONS, INC. |
| WMV236 | NORMIN BROADCASTING CO. |
| WHS312 | RADIO FARGO-MOORHEAD, INC. |
| WQHS587 | RED ROCK RADIO CORP. |
| WQQW544 | RED ROCK RADIO CORP. |
| WPNA909 | RESULT RADIO, INC. |
| WLO763 | STATE OF WISCONSIN - EDUCATIONAL COMMUNICATIONS BOARD |

JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415
221 S. 1st Avenue
Canton, IL 61520

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

Frequency Coordination Notice

| | |
|-----------------------|--|
| Date: | 29-May-15 |
| Reference: | CN150529-2 |
| Request Type: | MODIFICATION |
| Authorization Status: | EXISTING |
| Callsign: | WLI694 |
| Applicant: | Minnesota Public Radio 480 Cedar Street St. Paul, MN 55101 |

| | |
|-------------------------|------------------------------------|
| Primary Station FCC ID: | WSCD-FM / Facility ID: 42940 |
| Radio Service: | AS (Aural Studio-Transmitter Link) |
| Station Class: | FXO |
| City: | Duluth |
| County: | Saint Louis |
| State: | Minnesota |

| | Transmitter | Receiver |
|-------------------------------|------------------|--------------------|
| Site Name: | Studio | Transmitter |
| Location: | Duluth | Duluth |
| County: | Saint Louis | Saint Louis |
| State: | Minnesota | Minnesota |
| Latitude (NAD83 datum): | 46-47-21.0 North | 46-47-19.8 North |
| Longitude (NAD83 datum): | 092-06-51.6 West | 092-07-05.3 West |
| Operational Radius (km): | N/A | |
| ASRN: | N/A | |
| Site Elevation AMSL (meters): | 377.0 | 376.7 |

| | Transmitter | Receiver |
|---------------------------------------|----------------|--------------------|
| Site Name: | Studio | Transmitter |
| Antenna Make/Type: | Kathrein-Scala | Kathrein-Scala |
| Antenna Model: | PR-950 | PR-950 |
| Antenna Gain (dBi): | 18.0 | 18.0 |
| Antenna Beamwidth (degrees): | 12.0 | 12.0 |
| Antenna Polarization: | Vertical | Vertical |
| Antenna C/L AGL (meters): | 6.0 | 4.0 |
| Antenna C/L AMSL (meters): | 383.0 | 380.7 |
| Ant. Tilt Above Horiz. (deg.) | -0.45 | 0.45 |
| Path Azimuth (Degrees True): | 262.8 | |
| Path Length (kilometers): | 0.30 | |
| Path Length (miles): | 0.47 | |
| Transmission Line Type: | Andrew LDF4-50 | |
| Transmission Line Length (m): | 16.0 | |
| Insertion Loss per 100 m length (dB): | 7.08 | |
| Transmission Line Loss (dB): | 1.13 | |
| Combiner Loss (dB): | 0.0 | |
| Radome Loss (dB): | 0.0 | |
| Filter Loss (dB): | 0.0 | |
| System Gain (dB): | 16.87 | |
| Radio Manufacturer: | Moseley | |
| Radio Model: | SL-9003Q | |
| Emission Designator: | 500KD7W | |
| Digital Rate (Mbps): | 2.048 | |
| Digital Modulation Type: | 32QAM | |
| Frequency Tolerance: | 0.00001% | |
| Frequency of Operation (MHz): | 950.0000 | |
| Transmitter Power Output (dBm): | 30.0 | |
| EIRP (dBm): | 44.0 | |

Jeremy Ruck & Associates, Inc.
 P.O Box 415 / 221 S. 1st Avenue
 Canton, IL 61520
 309.647.1200
jeremy@jeremyruck.com

Signature

56) Typed or Printed Name of Party Authorized to Sign

| | | | |
|------------------------------|-----|------------------------------|---------|
| First Name: Slyvia | MI: | Last Name: Strobel | Suffix: |
|------------------------------|-----|------------------------------|---------|

| |
|--|
| 57) Title: Senior Vice President |
|--|

| | |
|-------------------------------------|--------------------------------|
| Signature: Slyvia Strobel | 58) Date: 08/10/2015 |
|-------------------------------------|--------------------------------|

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

Upon grant of this license application, the Licensee may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application.

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

Original Copy

**Technical Data Schedule for the
Fixed Microwave and Microwave Broadcast Auxiliary Services
(Parts 101 and 74)**

Administrative Information

| | | |
|--|-------------------------------------|---------------------|
| 1) Is this application being filed as part of a pack? (N)Yes/No | | |
| 2a) If the answer to Item 1 is 'Yes', enter the pack identification number (required if the pack identification number has already been assigned by the FCC): | | |
| 2b) Pack Name: | | |
| 3) Type of Operation (refer to instructions) Check One Only: <input checked="" type="checkbox"/> Permanent Fixed Point to Point <input type="checkbox"/> Multiple Address System (MAS) <input type="checkbox"/> Temporary Fixed/Mobile <input type="checkbox"/> Digital Electronic Message Service (DEMS) | 4) Station Class: FXO | 5) DEMS only: SMSA: |
| 6) If this request is for a Modification, Renewal/Modification, or Amendment of a currently pending application, does it, along with all minor Modification or Amendment requests filed since you applied for a new authorization or since the last major action was granted by the Commission, produce a cumulative effect that would equal or exceed the criteria for a major filing? (N)Yes/No | | |
| 7) Has frequency coordination been completed for this application? (Y)Yes/No | | |

Frequency Coordinator Information

Complete Items 8 through 11 if not self-coordinated

| 8) Frequency Coordination Number | 9) Name of Frequency Coordinator | 10) Telephone Number | 11) Coordination Date |
|--|---|-------------------------|--------------------------|
| CN150529-2 | Jeremy Ruck & Associates, Inc. | (309)647-1200 | 07/15/2015 |

Broadcast Auxiliary Only

| | | | |
|--|--|---|---|
| If there is an associated Parent Station, provide: | 12a) Facility Id of Parent Station: 42940 | 12b) Radio Service of Parent Station: FM | 12c) City and State of Parent Station Principal Community: DULUTH MN |
| If there is no associated parent station, applicant certifies that it is a Broadcast Network Entity and completes Item 13. | | | 13) State of Primary Operation: MN |

Control Point (Technical Point of Contact)

| 14) Action A/M | 15) Location Street Address, City or Town, County/Borough/Parish, State | 16) Telephone Number |
|-----------------------------|---|----------------------------|
| A | 480 Cedar Street Saint Paul, RAMSEY, MN | (651)290-1500 |

Location Data

| | | | |
|--|--|--|--|
| 1) Action Requested: (<input checked="" type="checkbox"/>) Add <input type="checkbox"/> Mod <input type="checkbox"/> Del | | 2) Location Number: 1 | |
| 3) Location Description: T Transmit Location | | 4) Area of Operation Code: | |
| | | 5) Location Name: Transmitter | |
| 6) FCC Antenna Structure Registration Number, FCC 854 File Number or N/A: | | | |
| 7) Latitude (DD-MM-SS.S): 46-47-21.0 | | 8) Longitude (DDD-MM-SS.S): 092-06-51.6 | |
| | | | |
| 9) Street Address, Name of Landing Area, or Other Location Description: 4th Avenue W & 10th Street | | | |
| 10) City: DULUTH | | 11) State: MN | |
| | | 12) County/Borough/Parish: ST. LOUIS | |
| 13) Elevation of Site AMSL (meters) ('a' in antenna structure example): 377.0 | | 14) Overall Ht AGL Without Appurtenances (meters) ('b' in antenna structure example): 6.0 | |
| | | 15) Overall Ht AGL With Appurtenances (meters) ('c' in antenna structure example): 7.0 | |
| 16) Support Structure Type: BPOLE | | | |
| 17) Radius (km): | | | |
| 18) Maximum Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner) -- | | 19) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner) -- | |
| | | | |
| 20) Do you propose to operate in an area that requires frequency coordination with Canada? () Yes <input checked="" type="checkbox"/> No | | | |
| 21) Description: (only for Area of Operation Code 'O') | | | |
| 22) Would Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. () Yes <input checked="" type="checkbox"/> No | | | |
| 23a) If the site is located in one of the Quiet Zones listed in Item 23b of the Instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified: ___/___/___ | | | |
| 23b) Has the Applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? () Yes <input checked="" type="checkbox"/> No | | | |
| 24) Do you propose to operate in an area that requires frequency coordination with Mexico? () Yes <input checked="" type="checkbox"/> No | | | |

Location Data

| | | | |
|--|--|--|--|
| 1) Action Requested: (<input type="radio"/> A) <input checked="" type="radio"/> Add <input type="radio"/> Mod <input type="radio"/> Del | | 2) Location Number: 2 | |
| 3) Location Description: R Receive Location | | 4) Area of Operation Code: | |
| | | 5) Location Name: Receiver | |
| 6) FCC Antenna Structure Registration Number, FCC 854 File Number or N/A: | | | |
| 7) Latitude (DD-MM-SS.S): 46-47-19.8 | | 8) Longitude (DDD-MM-SS.S): 092-07-05.3 | |
| | | | |
| 9) Street Address, Name of Landing Area, or Other Location Description: | | | |
| 10) City: | | 11) State: | |
| | | | |
| 12) County/Borough/Parish: | | | |
| | | | |
| 13) Elevation of Site AMSL (meters) ('a' in antenna structure example): 376.7 | | 14) Overall Ht AGL Without Appurtenances (meters) ('b' in antenna structure example): | |
| | | | |
| | | 15) Overall Ht AGL With Appurtenances (meters) ('c' in antenna structure example): | |
| | | | |
| 16) Support Structure Type: | | | |
| 17) Radius (km): | | | |
| 18) Maximum Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner) | | 19) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner) | |
| -- | | -- | |
| | | | |
| 20) Do you propose to operate in an area that requires frequency coordination with Canada? () Yes <input checked="" type="radio"/> No | | | |
| 21) Description: (only for Area of Operation Code 'O') | | | |
| | | | |
| 22) Would Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. () Yes <input checked="" type="radio"/> No If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. | | | |
| 23a) If the site is located in one of the Quiet Zones listed in Item 23b of the Instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified: ___/___/___ | | | |
| 23b) Has the Applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? () Yes <input checked="" type="radio"/> No | | | |
| 24) Do you propose to operate in an area that requires frequency coordination with Mexico? () Yes <input checked="" type="radio"/> No | | | |

Passive Repeaters (PR)

Transmit Location

| | |
|----------------------------|-----------------|
| 1) Transmit Location Name: | 2) Path Number: |
|----------------------------|-----------------|

| |
|---|
| 3) Action Requested: () <u>A</u> dd New Passive Repeater <u>M</u> odify Existing Passive Repeater <u>D</u> elate Existing Passive Repeater |
|---|

Passive Repeater Information

| | | | |
|---|--------------------------------------|--|--|
| 4) Passive Repeater Id: () | | 5) Passive Repeater Sequence Number: () | |
| 6) Passive Repeater Location Name: | | | |
| 7) Passive Repeater Antenna Manufacturer: | | 8) Passive Repeater Antenna Model Number: | |
| 9) Height to Center of Passive Repeater Antenna AGL (meters): | 10) Back-to-Back RX Dish Gain (dBi): | 11) Back-to-Back TX Dish Gain (dBi): | |
| 12) Reflector Dimensions (meters): Height: Width: | 13) Transmit Polarization: | 14) Azimuth to RX Location or Next Passive Repeater: | |

Supplement 4

Frequency Data

Transmitter Location Information

| | |
|---|--------------------------|
| 1) Transmit Location Name: Transmitter | 2) Path Number: 1 |
|---|--------------------------|

Frequency Information

| 3) Action A/M/D | 4) Lower or Center Frequency (MHZ) | 5) Upper Frequency (MHZ) | 6) Tolerance (%) | 7) EIRP (dBm) | 8) Emission Designator | 9) Baseband Digital Rate (kbps) | 10) Digital Modulation Type |
|--------------------|---|-----------------------------------|-----------------------------|--|------------------------------|--|--------------------------------------|
| M | Existing (if mod) 000950.00000000 | | 0.00001 | 44.0 | 500KD7W (M) | 2048.0 | 32QAM |
| | New | | | | | | |
| | 11) Transmitter Manufacturer | | 12) Transmitter Model | 13) Automatic Transmitter Power Control | | | |
| | Moseley | | SL-9003Q | N | | | |

Attachment(s):

| Type | Description | Date Entered |
|------|--|--------------|
| F | IRS Tax Exempt Letter | 08/10/2015 |
| O | Frequency Coordination Certification | 07/20/2015 |

Internal Revenue Service**Date:** May 8, 2006

MINNESOTA PUBLIC RADIO
AMERICAN PUBLIC MEDIA
480 CEDAR ST
ST PAUL MN 55101

Department of the Treasury
P. O. Box 2508
Cincinnati, OH 45201

Person to Contact:
Steve Brown 31-07422
Customer Service Specialist
Toll Free Telephone Number:
877-829-5500
Federal Identification Number:
41-0953924

Dear Sir or Madam:

This is in response to your request of May 8, 2006, regarding your organization's tax-exempt status.

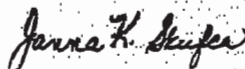
In February 1969 we issued a determination letter that recognized your organization as exempt from federal income tax. Our records indicate that your organization is currently exempt under section 501(c)(3) of the Internal Revenue Code.

Our records indicate that your organization is also classified as a public charity under sections 509(a)(1) and 170(b)(1)(A)(vi) of the Internal Revenue Code.

Our records indicate that contributions to your organization are deductible under section 170 of the Code, and that you are qualified to receive tax deductible bequests, devises, transfers or gifts under section 2055, 2106 or 2522 of the Internal Revenue Code.

If you have any questions, please call us at the telephone number shown in the heading of this letter.

Sincerely,



Janna K. Skufca, Director, TE/GE
Customer Account Services

**Frequency Coordination Certification and Supplemental Showing
Pursuant To:**

Section 74.502 or 74.638 – Frequency Coordination
Section 101.103(d) – Frequency Coordination Procedures

This supplemental showing and frequency coordination certification pertains to the request by **Minnesota Public Radio** ("MPR") to modify the existing WLI694 broadcast auxiliary license. Required frequency coordination procedures pursuant to the applicable sections of the Commission's Rules were followed for this application. The proposed changes to the existing facility represent a major change to the existing license.

Notification letters were sent to parties holding authorizations or pending applications for the frequency requested, or for frequencies overlapping the requested frequencies within a radius of 250 kilometers from the actual facility. Each of these coordination letters was dated May 29, 2015, and each was mailed from Canton, Illinois on May 29, 2015.

The parties to which letters were sent were asked to submit their comments, concerns, or objections in writing either via USPS mail or via e-mail within 30 days. By sending the coordination letters via USPS and by providing an email address for the submission of comments, it is believed that accommodation of potential delivery delays was achieved. There are no unresolved comments, questions, or objections concerning the facility as of July 15, 2015. It is therefore believed that MPR has made a reasonable effort to coordinate the facilities. The date of final coordination is assumed to be July 15, 2015.

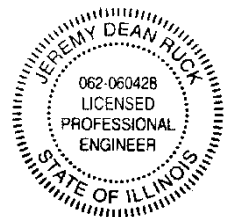
JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415
221 S. 1st Avenue
Canton, IL 61520

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

A table listing the entities and related facilities contacted follows the signature. This is the listing of parties to which notifications concerning the proposed construction were provided. The data sheet provided to entities is also attached.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2015

Jeremy D. Ruck, PE
July 20, 2015

JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415
221 S. 1st Avenue
Canton, IL 61520

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

Tabulation of Facilities Considered

| Call Letters | Address Line 1 |
|--------------|---|
| WLF669 | AMFM BROADCASTING LICENSES, LLC |
| WCX424 | BIG G LITTLE O, INC. |
| WPTY397 | CAPSTAR TX LLC |
| WPUB567 | CAPSTAR TX LLC |
| WPQN797 | CAROL J. DELAHUNT |
| WPJD681 | FOND DU LAC BAND OF LAKE SUPERIOR CHIPPEWA |
| WQJG453 | HERBERT M. HOPPE |
| WMG260 | J & J BROADCASTING, INC. |
| WHF287 | LAC COURTE OREILLES OJIBWA PUBLIC |
| WPNF769 | LITTLE FALLS BROADCASTING COMPANY |
| WPJD602 | LITTLE FALLS RADIO CORPORATION |
| WLF307 | MIDWEST COMMUNICATIONS, INC. |
| WPQY668 | MIDWEST COMMUNICATIONS, INC. |
| WPYK415 | MIDWEST COMMUNICATIONS, INC. |
| WPYL781 | MIDWEST COMMUNICATIONS, INC. |
| WMV236 | NORMIN BROADCASTING CO. |
| WHS312 | RADIO FARGO-MOORHEAD, INC. |
| WQHS587 | RED ROCK RADIO CORP. |
| WQQW544 | RED ROCK RADIO CORP. |
| WPNA909 | RESULT RADIO, INC. |
| WLO763 | STATE OF WISCONSIN - EDUCATIONAL COMMUNICATIONS BOARD |

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P.O. Box 415
221 S. 1st Avenue
Canton, IL 61520

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

Frequency Coordination Notice

| | |
|-----------------------|--|
| Date: | 29-May-15 |
| Reference: | CN150529-2 |
| Request Type: | MODIFICATION |
| Authorization Status: | EXISTING |
| Callsign: | WLI694 |
| Applicant: | Minnesota Public Radio 480 Cedar Street St. Paul, MN 55101 |

| | |
|-------------------------|------------------------------------|
| Primary Station FCC ID: | WSCD-FM / Facility ID: 42940 |
| Radio Service: | AS (Aural Studio-Transmitter Link) |
| Station Class: | FXO |
| City: | Duluth |
| County: | Saint Louis |
| State: | Minnesota |

| | Transmitter | Receiver |
|-------------------------------|------------------|--------------------|
| Site Name: | Studio | Transmitter |
| Location: | Duluth | Duluth |
| County: | Saint Louis | Saint Louis |
| State: | Minnesota | Minnesota |
| Latitude (NAD83 datum): | 46-47-21.0 North | 46-47-19.8 North |
| Longitude (NAD83 datum): | 092-06-51.6 West | 092-07-05.3 West |
| Operational Radius (km): | N/A | |
| ASRN: | N/A | |
| Site Elevation AMSL (meters): | 377.0 | 376.7 |

| | Transmitter | Receiver |
|---------------------------------------|----------------|--------------------|
| Site Name: | Studio | Transmitter |
| Antenna Make/Type: | Kathrein-Scala | Kathrein-Scala |
| Antenna Model: | PR-950 | PR-950 |
| Antenna Gain (dBi): | 18.0 | 18.0 |
| Antenna Beamwidth (degrees): | 12.0 | 12.0 |
| Antenna Polarization: | Vertical | Vertical |
| Antenna C/L AGL (meters): | 6.0 | 4.0 |
| Antenna C/L AMSL (meters): | 383.0 | 380.7 |
| Ant. Tilt Above Horiz. (deg.) | -0.45 | 0.45 |
| Path Azimuth (Degrees True): | 262.8 | |
| Path Length (kilometers): | 0.30 | |
| Path Length (miles): | 0.47 | |
| Transmission Line Type: | Andrew LDF4-50 | |
| Transmission Line Length (m): | 16.0 | |
| Insertion Loss per 100 m length (dB): | 7.08 | |
| Transmission Line Loss (dB): | 1.13 | |
| Combiner Loss (dB): | 0.0 | |
| Radome Loss (dB): | 0.0 | |
| Filter Loss (dB): | 0.0 | |
| System Gain (dB): | 16.87 | |
| Radio Manufacturer: | Moseley | |
| Radio Model: | SL-9003Q | |
| Emission Designator: | 500KD7W | |
| Digital Rate (Mbps): | 2.048 | |
| Digital Modulation Type: | 32QAM | |
| Frequency Tolerance: | 0.00001% | |
| Frequency of Operation (MHz): | 950.0000 | |
| Transmitter Power Output (dBm): | 30.0 | |
| EIRP (dBm): | 44.0 | |

Jeremy Ruck & Associates, Inc.

P.O Box 415 / 221 S. 1st Avenue

Canton, IL 61520

309.647.1200

jeremy@jeremyruck.com