

Midcontinent Television of South Dakota  
501 South Phillips Street  
Sioux Falls, SD 57102

**APPLICATION FOR AUXILIARY TELEVISION  
TRANSMITTER CONSTRUCTION PERMIT**  
Television Channel 11 25 kw ERP 192 meters HAAT  
Sioux Falls, South Dakota  
May 1995

Exhibit E-6

Radiation Hazard Statement

This application has been reviewed to determine if it complies with the radiation standards and the limits of radiation to which persons would be exposed in the area immediately around the tower base. The tower upon which the applicant proposes to locate has no other broadcast facilities on it. This proposal has been evaluated for potential radiation exposure at the base of the tower due to the location of the television transmitting antenna located near the top of the tower. The proposed facility is to operate with a radiated power of 25 kilowatts utilizing horizontal polarization only. In accordance with OST Bulletin 65, the worst case distance to the 1 mw/cm<sup>2</sup> contour is approximately 23 meters. The antenna will be mounted on the tower with the center of radiation substantially in excess of this distance, therefore, no persons at the base of the tower will be subjected to potentially harmful radiation. The base of the tower will be enclosed by fence so as to restrict access to the base of the tower. The tower site is located north of southwest of Rowena, South Dakota, in an area that is not being utilized for residential construction. The nearest permanent residence is some distance away, therefore, the site will only be accessible to a limited number of persons. Radiation warning signs will be placed at a number of locations on the fence enclosing the site and the applicant will advise maintenance personnel that power is to be reduced or terminated, as appropriate, prior to undertaking any tower or transmitter site maintenance to insure that maintenance personnel are protected, and the applicant will co-operate in reducing power in co-ordination with other existing occupants located on the tower whenever tower or equipment maintenance is to be performed which requires that maintenance personnel work on the tower.

**ATTACHMENT B**

**DUPLICATE**

**WILEY, REIN & FIELDING**

776 K STREET, N. W.  
WASHINGTON, D. C. 20006  
(202) 429-7000  
September 3, 1996

FCC/MELTON SEP 03 1996

WRITER'S DIRECT DIAL NUMBER  
(202) 429-3361

FACSIMILE  
(202) 429-7049

William F. Caton  
Acting Secretary  
Federal Communications Commission  
P.O. Box 358165  
Pittsburgh, PA 15251-5165

Re: Young Broadcasting of Sioux Falls, Inc.  
KELO-TV, Sioux Falls, South Dakota  
Application For License

Dear Mr. Caton:

On behalf of Young Broadcasting of Sioux Falls, Inc., licensee of KELO-TV, Sioux Falls, South Dakota, submitted herewith in triplicate on FCC Form 302 is an application for a license to cover a construction permit for KELO-TV's auxiliary main antenna.

A check in the amount of \$200.00 is included to cover the requisite filing fee. Also enclosed is a duplicate copy of the application. Kindly date-stamp the duplicate received and return it in the pre-addressed, postage pre-paid envelope provided.

Kindly direct any questions regarding this matter to the undersigned.

Respectfully submitted,



Bruce A. Olcott

Enclosures

cc: James A. Morgan  
John Hertz (public file)

— ATTACHMENT B

WILEY, REIN & FIELDING  
 1776 K Street, N.W.  
 Washington, DC 20006  
 Operating Account

NO. 081640

Date	Amount
08/16/1996	*****200.00

Pay Two Hundred and No/100 Dollars ONLY

To the  
 Order of FCC

National Bank of DC, N.A.  
 Washington, DC 20008  
 16-120/840

*Barry J. Shouse*  
 (Two Signatures Required For Amounts Over \$1,000.00)

⑈081640⑈ ⑆054001204⑆

⑈3702987⑈

Attached is our check in full settlement of items shown hereon. If not correct, please return with explanation or call us at (202)428-7287.

No. 081640

FCC						Check Date
Description	Date	Invoice No.	Amount of Invoice	Discount	Net	
APL FOR LIC 74578-14	08/16/1996		200.00	.00	200.00	
				<b>Total</b>	<b>200.00</b>	

Remittance Advice  
 Detach before depositing

WILEY, REIN & FIELDING  
 Operating Account

FCC 302-TV  
APPLICATION FOR TELEVISION  
BROADCAST STATION LICENSE

FOR COMMISSION USE ONLY  
FILE NO.

SECTION 1. APPLICANT AND FEE INFORMATION

APPLICANT NAME (Line 1 - Maximum 35 characters)

**YOUNG BROADCASTING OF SIOUX FALLS, INC.**

MAILING ADDRESS (Line 1 - Maximum 35 characters)

**501 South Phillips Avenue**

MAILING ADDRESS (Line 2 - Maximum 35 characters)

CITY <b>Sioux Falls</b>	STATE OR COUNTRY (if foreign address) <b>SD</b>	ZIP CODE <b>57104</b>
TELEPHONE NUMBER (include area code) <b>(605) 336-1100</b>	CALL LETTERS <b>KELO-TV</b>	OTHER FCC IDENTIFIER (if applicable) <b>BPCT-950531KE</b>

2. A. Is a fee submitted with this application?  Yes  No
- B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1112):
- Governmental Entity       Noncommercial educational licensee       Other (Please explain):
- C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter fee amount due in Column (C).

(A)	(B)	(C)	
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
<b>M J T</b>	<b>0 0 0 1</b>	<b>\$ 200.00</b>	

To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)	(B)	(C)	
	FEE MULTIPLE	FEE DUE	FOR FCC USE ONLY
	<b>0 0 0 1</b>	<b>\$</b>	

ADD ALL AMOUNTS SHOWN IN COLUMN C, AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.	TOTAL AMOUNT REMITTED WITH THIS APPLICATION <b>\$ 200.00</b>	FOR FCC USE ONLY
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**SECTION II - APPLICANT INFORMATION**

NAME OF APPLICANT

**Young Broadcasting of Sioux Falls, Inc.**

MAILING ADDRESS

**501 South Phillips Avenue**

City <b>Sioux Falls</b>	State <b>SD</b>	Zip <b>57104</b>
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2. This application is for:

Commercial  Non-commercial

Call letters <b>KELO-TV</b>	Community license <b>Sioux Falls, SD</b>	Construction Permit File No. <b>BPCT-950531KE</b>	Modification of Construction Permit File No. <b>N/A</b>	Exemption from Construction Permit <b>N/A</b>
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3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

Yes  No

If No, explain in an Exhibit.

Exhibit No.  
**N/A**

4. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

Yes  No

If No, state exceptions in an Exhibit.

Exhibit No.  
**N/A**

5. Apart from the changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect?

If Yes, explain in an Exhibit.

Exhibit No.  
**N/A**

6. Has the permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)?

Yes  No

If No, explain in an Exhibit.

Does not apply

Exhibit No.  
**N/A**

7. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to the application in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?

Yes  No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.

Exhibit No.  
**N/A**

The APPLICANT hereby 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. (See Section 304 of the Communications Act of 1934, as amended.)

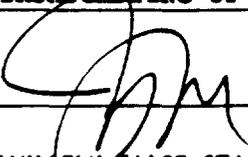
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the

### CERTIFICATION

1. By checking Yes, the applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

Yes  No

2. 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.

Name	Signature	
<b>YOUNG BROADCASTING OF SIOUX FALLS, INC.</b>	<b>Executive Vice President</b>	
Title	Date	Telephone Number
	Aug. 30, 1996	(605) 336-1100

**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).**

### FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public reporting burden for this collection of information is estimated to average 20 hours and 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0029), Washington, D. C. 20554. Do NOT send completed forms to this address. FCC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

**THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, 44 U.S.C. 3507, OCTOBER 1, 1995.**

Name of Applicant

**Young Broadcasting of Sioux Falls, Inc.**

Facility Authorized to Construct in permit

Call Sign **KELO-TV** Channel No. **11** File No. or Construction Permit **BPCT-950531KE** Frequency Range **198 to 204** MHz **199.25** MHz **203.75** MHz

Maximum Effective Radiated Power (ERP) **13.98** dBk **25.0** kW  
Antenna height above average terrain **192** Meters

2. Station location (principal community)

State **SOUTH DAKOTA** City or Town **SIOUX FALLS**

3. Transmitter location

State **SD** County **Minnehaha** City or Town **Rovena** Street address or other identification: **1 Mile southwest of Rovena, SD**

4. Main studio location

State **SD** County **Minnehaha** City or Town **Sioux Falls** Number and Street **501 South Phillips Avenue**

5. Operating constants - Visual transmitter (peak)

Transmitter power output (after vestigial sideband filter, if used, and after multiplexer, if combined) **12.01** dBk **15.6** kW  
Multiplexer loss in dB, if separate **0** dB  
Input to transmission line **12.01** dBk  
Transmission line power loss **1.04** dB  
Antenna input power **10.97** dBk  
Maximum antenna power gain **3.01** dB  
Maximum effective radiated power **13.98** dBk **25.0** kW

Does the transmitter comply with 47 C.F.R. Section 73.1660?  Yes  No

If No, describe fully in an Exhibit.

Exhibit No. **N/A**

6. Antenna, Transmission Line and Multiplexer

Antenna make and type No. **Andrew ATW2V150** Maximum power gain **3.01** dB Average (RMS) horizontal plan power gain **3.01** dB  
Elevation of the top of antenna supporting structure above ground (including antenna and all other appurtenances and lighting, if any) **213** Meters Height of antenna radiation center above ground **209** Meters Height of antenna radiation center above mean sea level **618** Meters

Geographical Coordinates of antenna

North Latitude **43° 30' 11"** West Longitude **96° 34' 38"**

Is a directional antenna used?  Yes  No

Is electrical or mechanical beam tilting employed?  Yes  No

If either a directional antenna or one employing beam tilt is used, and the radiation patterns differ from those on file with the construction permit application, give full details in an Exhibit.

Exhibit No. **N/A**

FCC Form 302-TV

Make	Type No	Coaxial cable length
<b>RCA</b>	<b>MI19313</b>	<b>COAXIAL</b>
Size (nominal inside transverse dimensions)	Length	Power loss for this length
<b>7.9 centimeters</b>	<b>226 Meters</b>	<b>1.04 dB</b>
Multiplexer		
Make	Type No	Loss (not included in transmitter power) dB
<b>RCA</b>	<b>MI27316H</b>	Visual <b>0</b> Aural <b>0</b>

7. Frequency measurements

Measured visual carrier frequency (specify at least to nearest 100 Hz) **199,250,000 Hz**

Measured aural carrier center frequency (specify at least to nearest 100 Hz) **203,750,010 Hz**

Give date measurements made and method used or frequency measurement service employed.

**June 21, 1996. Measurements made using a Hewlett Packard frequency counter model 5316B serial number 2816A03063**

8. Performance Data

Have equipment performance measurements been taken in accordance with 47 C.F.R. Section 73.1590, demonstrating compliance with the Commission's transmission standards and transmission system requirements, and are those measurements available for submission to the Commission upon request?  Yes  No

If No, explain. **N/A**

9. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

**N/A No difference from construction permit.**

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please print or type)	Signature (check appropriate box below)
<b>John Hertz</b>	<i>John Hertz</i>
Address (include ZIP Code)	Date
<b>501 South Phillips Avenue Sioux Falls, SD 57104</b>	<b>8/19/96</b>
	Telephone No. (include area code)
	<b>(605) 336-1100</b>

- Technical Director
- Chief Operator
- Other (specify)
- Registered Professional Engineer
- Technical Consultant