ENGINEERING EXHIBIT E-2

APPLICATION FOR STATION LICENSE

CONSTRUCTION PERMIT BPH-920306MA

WKNB - Clarendon, PA

Kinzua Broadcasting Co., Inc. Clarendon, PA

September 8, 1995

Prepared for: Mr. W. Leroy Schneck Kinzua Broadcasting Co., Inc. 310 2nd Avenue Warren, PA 16365

CARL E. SMITH CONSULTING ENGINEERS

216/659-4440

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Approved,	by	OMB.
3060-0	506	5
Expires	/31	/94

Section I - GENERAL INFORMATION

FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D.C. 20554

FCC 302-FM

FOR			
FOR FCC USE ONLY	 	 	
USE			
ONLY			

FOR MASS MEDIA BUREAU USE ONLY

APPLICATION FOR FM

BROADCAST STATION LICENSE

(Please read instructions before completing this form.)

FLE NO.

1. APPLICANT NAME				
	Broadcasting Co., Inc.		-	
	1) (Maximum 35 characters)			
310 Seco	and the second			
MALING ADDRESS (Line 2	2) (if required) (Maximum 35 chara	icters)		
CITY		STATE OR COUNTRY (i	f foreign address)	ZIP CODE
Warren		STATE ON COONTRI (I	PA	
TELEPHONE NUMBER (inclu	de area code)	CALL / ETTERS	OTHER FCC IDENTE	16365
EOR MAILING THIS APPLI	ISTU ICATION, SEE INSTRUCTIONS FO	WKNB	I	
2. A. Is a fee submitted w				X Yes No
	propriate box to indicate reason fo	or fee exemption (see 4	7 C.F.R. Section 1.1	112) or reason a fee
not applicable and go	o to Question 3.			
Governmental Entit	y Noncommercial education	nal licensee Other	(Please explain):	
C. If item 2.A. is Yes.	provide the following information:			
		vice you are east-ine for	Fac Ture Codes m	as he found in the
	prrect Fee Type Code for the serv Filing Guide." Column (B) lists the			
	nultiplying the value of the Fee Typ			
(A)	(B)	(C)		
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FE		
(1) FEE TYPE CODE	(if required)	CODE IN COLUN	AN (A)	OR FCC USE ONLY
MHR	0 0 0 1	\$ 135.00		
		155.00		
o be used only when you	are requesting concurrent actions	which result in a require	ement to list more th	an one Fee Type Code
(A)	(B)	(C)	FC	R FCC USE ONLY
(2)				
21	0 0 0 1	\$		
ADD ALL AMOUNTS SHOW	N IN COLUMN C. LINES (1)	TOTAL AMOUNT RE		
THROUGH (2), AND ENTER	THE TOTAL HERE.	WITH THIS APPLIC	FC	OR FCC USE ONLY
THIS AMOUNT SHOULD EQU REMITTANCE.	JAL YOUR ENCLOSED	\$ 105 00		
		\$ 135.00		

Section 1 - GENERAL INFORMATION (Page 2)

- 3. (a) Has an adverse finding been made or an adverse final action 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 related to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?
 - (b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

If the answer to (a) and/or (b) above 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), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

4. For permittees of commercial FM stations only:

Has permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 CF.R. Section 73.3615(b)? See Instructions.

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 47 U.S.C. Section 304.)

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 application.

CERTIFICATIONS

5. 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. 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).

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 of Applicant	Signature
Kinzua Broadcasting Co., Inc.	
Title	Date

WILLFUL FALSE STATEMENTS MADE 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

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 this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may be 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, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. SECTION 552 &(eX3).

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Yes

Exhibit No.

N/A

X	Yes] No
	Does	Not	Apph

X Yes

No

Yes	X	No

X No

0	SECTION II - TECHNICAL DATA	
	1. Select one for each item. This application is for	а:
	(a) Request for program test authority	X Station on automatic program test authority
-	(b) X Commercial station	Noncommercial station
	(c) Directional antenna	X Non-directional antenna
	SPECIAL OPERATING CONDITIONS MA	AY PROHIBIT AUTOMATIC PROGRAM TEST AUTHORITY
	2. Call Sign: WKNB 3. Freque	ncy or channel:282 Class:A
	4. Community of License:	
	5. Select one that applies and enter the file number	
	(a) X covers a construction permit. Original file	
		ended by:BAPH-941107GE
		laced by:
2	63 Tep	
	(b) modifies a license, file number:	
	6. Is this application being filed pursuant to MM Dock	xet No. 88-375 (Class A Upgrade)? See Instructions. Yes X No
	If YES, attach the supplemental Exhibit to this app	lication. Exhibit No. N/A
21	IF YOU SELECTED 5(b), "MODIFIES A LI	CENSE," PROCEED TO ITEM 8.
	7. Expiration date of construction permit:	Month Day Year 2 22 96
<i>i</i>		
	THIS APPLICATION MUST BE ON EXPIRATION DATE OF YOUR CO	FILE WITH THE COMMISSION BEFORE THE NSTRUCTION PERMIT. SEE INSTRUCTIONS.

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SECTION II - TECHNICAL DATA (Page 2)

8. Description of facilities authorized by the construction permit or license noted in Item 5

(a)	o , " Antenna coordinates: 41 48 50 N. Lat.	o 79	, 10		n.
(0,		Horizontal		Vertical	
(b)) Effective radiated power:	4.7	k₩	4.7	_ k₩
(c)	Beam tilt effective radiated power (if applicable):	_	_ k₩		_ k₩
(d)	Radiation center above ground:	44	meters	44	meters
(e)	Radiation center above mean sea level:	617	meters	617	_ meters
(f)	Antenna height above average terrain:	113	meters	113	meters
(g)	Overall tower height above ground (including antenna, all other	68	meters		

appurtenances, and lighting, if any):

9. Description of facilities as constructed:

(a) Antenna coordinates: <u>41 48 50</u> N. Lat.	0 , ″
	Horizontal Vertical 4.7 kW
(b) Effective radiated power:	4.7 kwkw
(c) Beam tilt effective radiated power (if applicable):	kw kw.
(d) Radiation center above ground:	44 meters44 meters
(e) Radiation center above mean sea level:	617meters617meters
(f) Antenna height above average terrain:	113 meters113 meters
(g) Overall tower height above ground (including antenna, all other appurtenances, and lighting, if any):	68 meters

10. Are there any differences between the facilities described in Item 8 and those in Item 9?

IF YES, YOU MAY NOT BE ABLE TO USE THIS FORM. SEE INSTRUCTIONS.

Attach an Exhibit explaining in detail how these differences occurred.

11. Attach an Exhibit that demonstrates compliance with the special operating conditions, terms, and obligations described in the construction permit.

CONVERSION TO AND FROM METRIC: METERS = 0.3048 X FEET FEET = 3.281 X METERS

	Yes	X	N

N/A			
Exhibit No. E-2			

Exhibit No.

Does	Not	Appl

SECTION II - TECHNICAL DATA (Page 3)

	Make	Model Number	Number of Section	s Power Gain
12. Antenna description:	Harris	FML-3E	3	1.5588
	beam tilt, null fill, reduced sy or sp cialized, an Exhibit mus	-	-	the Exhibit No. N/A
13. Transmission line system	em description:			
(a) Transmission line:	Make Andrew	Model Number HJ7-50A	r Le	ngth in Meters 55 meters
(b) Percent efficiency	of entire transmission line s	ystem: 91.6	%	
	uded in 13(b) other than the iling these additional losses. S		listed in 13(a),	Exhibit No. N/A
14. Transmitter power out	put (in kilowatts):	3.29 kW		
SEE INSTRUCTIONS T	O CALCULATE TPO.			
15. Operating constants:				
(a) D.C. plate current	in last radio stage (amperes):	1.14	A	
(b) Applied D.C. voltag	ge in last radio stage (volts):	3820	v	
(c) Efficiency of trans	mitter at operating power (pe	rcent): 75.5	%	
(d) RF transmission lin	e meter reading (percent):	100	%	
SEE INSTRUCTIONS TO	D CHECK OPERATING CONSTA	ANTS.		
16. Is the main studio with	in the 3.16 mV/m (70 dBu) f	field strength contour of the	main facility?	X Yes
lf NO, attach an Exhib	it pursuant to the Instructions.			Exhibit No. N/A
17. Location of Main Studie Street Address or Locatio	p: (P.O. BOXES ARE UNACCEP on Description	TABLE)		
	cond Avenue	· · · · · · · · · · · · · · · · · · ·		
City Warren		County	n	State PA

CONVERSION TO AND FROM METRIC:

METERS = 0.3048 X FEET FEET = 3.281 X METERS

SECTIO	ON II - TECHNICAL DATA (Page 4)				
_					
18. Lo	ocation(s) of Remote Control Point(s):				
(-)	Street Address or Location Description				
(a)					
	310 Second Avenue				
	City	County	State		
	Warren	Warren	PA		
	Street Address or Location Description				
(b)					
	City	County	State		
	City				
lf th	here are additional remote control points, attach an E	Exhibit which describes their locations.	Exhibit No.		
19. Loo	cation of Antenna Site:				
Street	t Address or Location Description				
	512 Mohawk Avenue, Ext.				
City		County	State		
	Warren	Warren	PA		
00.05	RTFICATION OF PREPARER				
	y that I represent the applicant in the capacity indicat	ed below and that I have examined the forego	ing statement of		
	al information and that it is true to the best of my k		-		
Г.,					
Name	(please print or type)	Signature (check appropriate box below)			
	Earl L. Miller	1 Mall	-		
Addre	ss (include ZIP Code)	Date alklast			
	2324 N. Cleveland-Massillon Road				
2	Bath, OH 44210	Telephone No. (include Area Code) 216/659-4440			
Ter	chnical Director	Registered Professional Engineer			
	ief Operator	X Technical Consultant			

Other (specify)

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PAPERWORK REDUCTION ACT

Public reporting burden for this collection of information is estimated to average 4 hours per response. This estimate includes 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, Information Resources Branch, Room 416, Paperwork Reduction Project, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0506), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

ENGINEERING AFFIDAVIT

State of Ohio)) ss: County of Summit)

Roy P. Stype, III, being duly sworn, deposes and states that he is a graduate Electrical Engineer, a qualified and experienced Communications Consulting Engineer whose works are a matter of record with the Federal Communications Commission and that he is a member of the Firm of "Carl E. Smith Consulting Engineers" located at 2324 North Cleveland-Massillon Road in the Township of Bath, County of Summit, State of Ohio, and that the Firm has been retained by Kinzua Broadcasting Co., Inc. to prepare the attached "Engineering Exhibit E-2."

The deponent states that the Exhibit was prepared by him or under his direction and is true of his own knowledge, except as to statements made on information and belief and as to such statements, he believes them to be true.

pe. III

Subscribed and sworn to before me on September 8, 1995.

SHERI LYNN KURTZ, Notary Public Residence - Summit County State Wide Jurisdiction, Ohio My Commission Expires June 14, 2000

/SEAL/

ENGINEERING AFFIDAVIT

State of Ohio County of Summit

Earl L. Miller, being duly sworn, deposes and states that he is a qualified and experienced Communications Consulting Engineer whose works are a matter of record with the Federal Communications Commission and that he is a member of the Firm of "Carl E. Smith Consulting Engineers" located at 2324 North Cleveland-Massillon Road in the Township of Bath, County of Summit, State of Ohio, and that the Firm has been retained by Kinzua Broadcasting Co., Inc. to prepare the attached "Engineering Exhibit E-2."

The deponent states that the Exhibit was prepared by him or under his direction and is true of his own knowledge, except as to statements made on information and belief and as to such statements, he believes them to be true.

Ofmill

Earl L. Miller

Subscribed and sworn to before me on September 8, 1995.

Sheri Lynn Kurt

SHERI LYNN KURTZ, Notary Public Residence - Summit County State Wide Jurisdiction, Ohio My Commission Expires June 14, 2000

/SEAL/

ENGINEERING STATEMENT

This engineering exhibit is prepared on behalf of the Kinzua Broadcasting Co., Inc., permittee of construction permit BPH-920306MA for new FM station WKNB -Clarendon, Pennsylvania. It supports an application for a station license following the completion of the construction authorized by this construction permit.

This construction permit authorized WKNB to construct facilities to operate on FM Channel 295A (106.9 MHz). The <u>Report and Order</u> in MM Docket 92-173, released on February 5, 1993, however, modified this construction permit to specify operation on Channel 282A (104.3 MHz), to accommodate the allotment of Channel 295B1 to Lakewood, New York. Pursuant to this ordered modification, the WKNB operating facilities have been constructed on Channel 282A, as reported in Paragraph 3 on Page 3 of FCC Form 302-FM.

This construction permit contains a condition requiring that impedance measurements be conducted on the antenna system of WNAE(AM) - Warren, Pennsylvania, following the installation of the WKNB antenna system, and that the results of these measurements be submitted to the FCC as part of an application for direct measurement of power for WNAE. These antenna base impedance measurements were conducted on August 30, 1995, and are detailed in an application for direct measurement of power for WNAE, which is being filed concurrently with the attached application for station license.

This construction permit also contains a condition indicating that the automatic program test provisions of Section 73.1620 of the FCC Rules do not apply in this situation and requiring that a certification be submitted as a part of this application docu-

- CARL E. SMITH CONSULTING ENGINEERS -

menting that a fence, with appropriate warning signs, has been constructed to restrict access to any area within 5.2 meters of the tower base to prevent exposure to excessive levels of nonionizing radiation, before program tests will be authorized. This condition, however, contains a provision permitting documentation of compliance to be submitted prior to the filing of a license application, permitting this condition to be eliminated and automatic program tests to be authorized. The documentation required to comply with this condition was submitted to the FCC on August 30, 1995. Attached to this application is a copy of a responsive letter from the FCC eliminating this condition and permitting WKNB to conduct program tests pursuant to the automatic program test provisions of Section 73.1620 of the FCC Rules.

Based upon the above information, the WKNB operating facilities are in full compliance with construction permit BPH-920306MA, as modified by the <u>Report and Or-</u> <u>der</u> in MM Docket 92-173, and the station has commenced program tests.

Federal Communications Commission Washington, D.C. 20554

In reply refer to: 1800B3-DEB

September 7, 1995

Mr. W. LeRoy Schneck, President Kinzua Broadcasting Company, Inc. 310 Second Avenue Warren, PA 16365

> In re: WKNB, Clarendon, PA Kinzua Broadcasting Co., Inc. BPH-920306MA

Dear Mr. Schneck:

Through your attorney's letter dated August 30, 1995, you have requested that WKNB (formerly WOVU) be permitted to commence automatic program test operations pursuant to construction permit BPH-920306MA. You have demonstrated that the fence enclosing the tower structure complies with the minimum distance required by the special operating condition on construction permit BPH-920306MA.

Accordingly, automatic program test authority for WKNB pursuant to construction permit BPH-920306MA IS HEREBY REINSTATED. WKNB may commence operations on Channel 282A (104.3 MHz) pursuant to 47 CFR § 73.1620 of the Commission's rules at such time it is ready.' A license application on FCC Form 302-FM must be submitted (with the appropriate

(WKNB should be aware that since the allotment reference coordinates for Channel 282A are located 3.5 km from the permit coordinates, the permit coordinates are not currently protected on Channel 282A from encroaching applications by other stations. Any such applications will be processed on a first come / first served basis. Consequently, it is in the interest of WKNB to file its Form 302-FM application or a minor change application on Form 301 as soon as possible, to protect the permit coordinates on Channel 282A.)

¹ WKNB's construction permit specified Channel 295A (106.9 mHz), but was conditioned upon the outcome of MM Docket 92-173. Since the grant of that construction permit, the channel for that Clarendon, PA allotment was changed to Channel 282A (104.3 MHz) by the Report and Order in MM Docket 92-173, 8 FCC Rod 774, 58 Fed. Reg. 15289 (1993). This docket is now final. Consequently, WKNB cannot operate on the old channel. While no construction permit has been granted for WKNB for the new channel, we note that the site coordinates specified in the construction permit are fully spaced on Channel 282A pursuant to 47 CFR § 73.207. Therefore, we will permit WKNB to commence operations on Channel 282A with the facilities apecified in the construction permit, and to specify Channel 282A in its license application.

filing fee) to cover this construction permit within 10 days of commencing program test operations. Please include a copy of this letter with the Form 302-FM application to document compliance with the fence condition.

Sincerely, Dale & Bild

Dale E. Bickel Supervisory Electronics Engineer Audio Services Division Mass Media Bureau

cc: Borsari & Paxon



United States of America FEDERAL COMMUNICATIONS COMMISSION FM BROADCAST STATION LICENSE

Official Mailing Address:

KINZUA BROADCASTING CO., INC 310 SECOND AVE WARREN, PA 16365

Call Sign: WKNB

Authorizing Official: wyb

Dahiel J Fontaine Supervisory Engineer Audio Services Division Mass Media Bureau

Grant Date: JUL 3 1 1997

This license expires 3:00 a.m. local time, August 01, 1998

License File No.: BLH-970112KA

This license covers Permit No.: BPH-920306MA as last extended by Permit No.: BMPH-970424JC

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Name of Licensee:

KINZUA BROADCASTING CO., INC.

Station Location:

PA-CLARENDON

Callsign: WKNB

```
Frequency (MHz): 104.3
Channel: 282
Class: A
Hours of Operation: Unlimited
Main Studio Address:
   PA-310 SECOND AVENUE, WARREN
Transmitter location (address or description):
   PA-512 MOHAWK AVENUE, EXT., WARREN
Remote Control Point Address:
   PA - 310 SECOND AVENUE, WARREN
Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670
            of the Commission's Rules.
Transmitter output power: 3.3 kW
Antenna type: (directional or non-directional): Non-Directional
   Description: HARRIS FML-3E, 3 SECTIONS
Antenna Coordinates: North Latitude : 41
                                           48
                                                 50
                    West Longitude : 79
                                           10
                                                 4
                                    Horizontally Vertically
                                     Polarized
                                                  Polarized
                                      Antenna
                                                    Antenna
Effective radiated power in the
   Horizontal Plane (kW).....:
                                       4.7
                                                      4.7
Height of radiation center above
   ground (Meters) ..... 44
                                                        44
Height of radiation center above
   mean sea level (Meters).....:
                                                       617
                                       617
Height of radiation center above
   average terrain (Meters).....:
                                        113
                                                       113
Antenna structure registration number: none
Overall height of antenna structure above ground
    (including obstruction lighting if any): 68 Meters
```

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

PARAGRAPH 01.0, FCC FORM 715 (OCTOBER 1985):

Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1 and 1/2 feet in width. All towers shall be cleaned and repainted as often as necessary to maintain good visibility.

PARAGRAPH 03.0, FCC FORM 715 (APRIL 1985):

There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

PARAGRAPH 11.0, FCC FORM 715 (APRIL 1985):

At the approximate mid point of the over-all height of the tower there shall be installed at least two 116- or 125-watt lamps (A21/TS) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of a least one light at each level from aircraft at any normal angle of approach.

PARAGRAPH 21.0, FCC FORM 715 (APRIL 1985):

All lighting shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.

Special operating conditions or restrictions:

 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency radiation in excess of FCC guidelines.

*** END OF AUTHORIZATION ***

CC Form 301	oposed to supply	FM BROADCAST EN	T		Section V-B, Page 2
0. Transmission line proposed to supply power to the antenna from the transmitter lake Type No. Description			14 Attach as Exi Charts where shown drawn	obtainable) of the area) (Sectional Aeronautical proposed to be served and
Shively	Type No. 1313-1	Description 50 ohm Rigid Line	(a) Proposed transmitter location and the radials along whi profile graphs have been prepared;		
ize (nominal transverse imension) in inches	Length in feet	Rated efficiency in percent for this length	cate the le to be serve	gal boundaries of the p	rincipal community proposed identifying the source relie
3-1/2"	185	95.8%	(d) Scale of m		
1. Proposed operation Transmitter power outp	ut Power dis	sipation within			
in kilowatts		ion line in kilowatts	Areas and pop Area (sq. mi.) with	ulation: (latest census	a.) Intion within
			1 mv/m contour 2749.4	1 mv.	/m contour
6.21	0.6	8	15. (a) Attach as		A map(s) (topographic
Antenna input power in	Effective	radiated power in	where obtaina	ble, such as U. S. Geol	ogical Survey quadrangles)
kilowatts		(Must be same as	and shown dra	wn thereon the followin FILE - NO (HANGE
5.53	Horizontal	50.0	2. Trans		letters of all radio stations
	Vertical	50.0	cial an the pro	nd government receiving	
2. Will the studios, mic	tophones and			ed location of main stu eter of the area within 2	idio; miles of proposed trans-
other equipment prop	osed for trans-		mitter	location, suitably desig	nated as to residential,
mission of programs compliance with the				ss, industrial, and rura st eight radials each ex	tending to a distance of ter
Standards?		Yes XX No	or mor		ed transmitter location, one through the principal city
3. If this application is	for modification	of construction permit	6. If the	proposed transmitter loc	ation is outside the bound-
state briefly as Exhi	bit No.	, the present			ity proposed to be served, ing area must be clearly
status of construction and indicate when it is expected that construction will be completed.			*hown. ON FILE - NO CHANGE		
			b. Attach as E		file graphs for the radials i
			(a)(5) above.	Each graph shall show t	he elevation of the antenna
DNA					by its bearing from the pro- true north shall be zero azi
				s measure clockwise.	Show source of topographi-
From the profile graphs		ht mile distance between Section 73,313 of the C			
Redial	Average elev		ght in feet of	Predicted dis-	Predicted
bearing	of radial (2-1	0 mi.) anter	nna radiation	tance in miles	distance in
(degrees true)	in feet above sea leve		er above aver- e elevation of	to the 3.16mv/m contour	miles to the lmv/m con-
		rad	ial 2-10 mi.)		
0	1580	feet	482 feet	20.0 mi.	32.0 ^{mi.}
45	1750		312	16.7	27.5
90	1715		347	17.2	28.2
135	1528		534	21.0	33.0
180	1710		352	17.3	27.7
225	1780		282	15.7	26.3
270	1585		477	19.9	31.8
315	1595		467	19.7	31.4
(•)					
				407	feet (horizontal)
A	verage 1655		a height above avera		feet (vertical)
Rudiul over principal comm				ights must be identic	al with Paragraph 2)