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WASHINGTON, D. C. 20036-1702

AUDIO SERVICES
DIVISION
AM BROADCASTING
FEB 10 1995
FEB 13 2 35 PM
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY

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February 10, 1995

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MMI 97-75

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FEB 13 1995

FM EXAMINERS

Mr. William F. Caton, Acting Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, DC 20554

Dear Mr. Caton:

On behalf of Public Broadcasting Foundation of Northwest Ohio, we are filing herewith, in triplicate on Form 340, its application for authority to construct a new non-commercial educational FM radio station on Channel 220 (91.9 MHz) at Defiance, Ohio.

Pursuant to Section 1.1112(c) of the rules, no filing fee is required for this application, inasmuch as the applicant is a nonprofit organization which proposes noncommercial operations on a reserved channel.

Please address any questions concerning the application to this office.

Respectfully submitted,

SCHWARTZ, WOODS & MILLER

By: Lawrence M. Miller
Lawrence M. Miller

LMM/nmc
Enclosure

MM 97-75
Approved by OMB
AUDIO SERIAL
3000-0934
Expires 11/30/94
See page 20 for information
regarding public burden estimate

APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(Carefully read instructions before filing form) Return only form to FCC

FEB 13 2 35 PM '95

For Commission Use Only
File No. PPED-950210MB

Section I - GENERAL INFORMATION

1. Name of Applicant Public Broadcasting Foundation Northwest Ohio		
RECEIVED FEB 1 0 1995		
Street Address or P.O. Box 136 N. Huron St.		
City Toledo	State OH	ZIP Code 43692
Telephone No. (Include Area Code) 419 243-3091		

Send notices and communications to the following person at the address below:		
Name Dan Niedzwiecki		
Street Address or P.O. Box 136 N. Huron St.		
City Toledo	State OH	ZIP Code 43692
Telephone No. (Include Area Code) 419 243-3091		

2. This application is for: AM FM TV

(a) Channel No. or Frequency 220

(b) Principal Community	City	State
	Defiance	OH

(c) Check one of the following boxes:

- Application for **NEW** station
- MAJOR** change in licensed facilities; call sign: _____
- MINOR** change in licensed facilities; call sign: _____
- MAJOR** modification of construction permit; call sign: _____
File No. of construction permit: _____
- MINOR** modification of construction permit; call sign: _____
File No. of construction permit: _____
- AMENDMENT** to pending application; application file number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? Yes No

If Yes, state: N/A	Call letters	Community of License	
		City	State

Section II - LEGAL QUALIFICATIONS

Name of Applicant

The Public Broadcasting Foundation of Northwest Ohio

1. Applicant is: *(Check one box below)*

- (a) governmental or public educational agency, board or institution
- (b) private nonprofit educational institution
- (c) Other *(specify)* (nonprofit educational foundation)

2. For applicants 1(c) only, describe in an Exhibit the nature and educational purposes of the applicant.

Exhibit No.
1

3. For applicants 1(c) applying for a new noncommercial educational television station only, describe in an Exhibit how the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural and civic segments of the principal community to be served.

Exhibit No.
n/a

4. Describe in an Exhibit how the proposed station will be used, in accordance with 47 C.F.R. Section 73.503 or Section 73.621, for the advancement of an educational program.

Exhibit No.
1

5. Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended?

Yes No

If Yes, provide particulars in an Exhibit.

Exhibit No.
n/a

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

6. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction B to Section II)

Yes No

(b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

Yes No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No.
n/a

7. (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?

Yes No

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

Yes No

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. 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) in the case of adjudicated proceedings, 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) a description of the current status or disposition of the previously reported matter.

Exhibit No.
n/a

PARTIES TO APPLICATION

8. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificates or other ownership interests, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es) (a)	Office Held (b)	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M) (d)
		YES	NO	
		(c)		
Victoria Souder 2550 Orchard Road Toledo, OH 43606	Chairman	X		N/A Non profit corp.
Shirley E. Timonere 4355 River Road Toledo, OH 43614	President & General Manager	X		
Thomas B. Donnell 1709 Windsor Place Findlay, OH 45840	Vice Chairman	X		
James Findley 4805 Skelly Road Toledo, OH 43623	Vice Chairman	X		
Yolanda S. Jackson 2271 Grelyn Drive Toledo, OH 43615	Vice Chairman	X		
Anthony L. Reams 1968 Richmond Toledo, OH 43607	Treasurer	X		
C. Allen McConnell 1665 Fallbrook Toledo, OH 43614	Secretary	X		

PARTIES TO APPLICATION

B. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificates or other ownership interests, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es) (a)	Office Held (b)	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M) (d)
		YES	NO	
		(c)		
Mr. Richard P. Anderson 1833 S. Holland/Sylvania Road Maumee, OH 43537		X		
Patricia J. Appold 2049 Scottwood Avenue Toledo, OH 43623		X		
Carol Block 612 Manitou Maumee, OH 43537		X		
Pier Borra 2298 June Drive Lima, OH 45805		X		
Ben Brown 405 Madison Ave. Toledo, OH 43604		X		
William Davis 2520 Meadowood Toledo, OH 43606		X		
Elvah Donnal 4856 High Oaks Blvd. Toledo, OH 43623		X		

PARTIES TO APPLICATION

8. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificates or other ownership interests, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es) (a)	Office Held (b)	Director or Member of Governing Board (c)		% of: Ownership (O) or Voting Stock (VS) or Membership (M) (d)
		YES	NO	
Janet Doyle, O.P. 1838 Princeton Drive Toledo, OH 43614		X		
Crystal Ellis 1122 Searless Road Toledo, OH 43607		X		
Thomas J. Fairhurst 20 Walnut Creek Dr. Holland, OH 43528		X		
Faye Fenwick 2125 Mount Vernon Ave. Toledo, OH 43607		X		
Joseph Firszt 1700 Lakewood Avenue Lima, OH 45805		X		
Judy Hample 2801 W. Bancroft ST. Toledo, OH 43606		X		
Jennifer Hester 6734 Worth Avenue Sylvania, OH 43560		X		

PARTIES TO APPLICATION

8. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificates or other ownership interests, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		YES	NO	
(a)	(b)	(c)		(d)
Sandy Isenberg 5831 Monroe Street, #207 Sylvania, OH 43560		X		
Daniel F. Marcus 2507 Edgehill Road Toledo, OH 43615		X		
Martha S. MacDonell 1418 W. Market Street Lima, OH 45805		X		
Helen McMaster 9902 Sheffield Road Perrysburg, OH 43551		X		
Stanford H. Odesky 4719 Rose Glenn Toledo, OH 43615		X		
Susan Palmer 2135 Hawthorne Road Toledo, OH 43606		X		
Ann Sanford 333 N. Summit St. Toledo, OH 43604		X		

PARTIES TO APPLICATION

B. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificates or other ownership interests, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		YES	NO	
(a)	(b)	(c)		(d)
Donald Saunders 300 Madison Avenue Toledo, OH 43604		X		
John Shaner 4500 Dorr ST. Toledo, OH 43615		X		
James Terlizzi P.O. Box 596 Toledo, OH 43697		X		
Rev. John A. Thomas 71 Elm Street Perrysburg, OH 43551		X		
Dr. George E. Tombaugh 5662 Parkwood Sylvania, OH 43560		X		
Byron L. West 6629 West Central Toledo, OH 43617		X		
George Whitson 1706 Imperial Lane Findlay, OH 45840		X		

PARTIES TO APPLICATION

8. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificates or other ownership interests, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es) (a)	Office Held (b)	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M) (d)
		YES	NO	
		(c)		
Mary T. Wolfe 30465 East River Road Perrysburg, OH 43551		X		

Section 11 - LEGAL QUALIFICATIONS (Page 3)

9. Does the applicant, or any party to the application, have a petition to migrate to the expanded band (1605-1705 kHz) or a permit or license either in the existing band or expanded band that is held in combination with the AM facility proposed to be modified herein?

Yes No

If Yes, provide particulars as an Exhibit.

Exhibit No.
n/a

10. Does the applicant or any party to this application have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission?

Yes No

(b) a broadcast application which has been dismissed with prejudice by the Commission?

Yes No

(c) a broadcast application which has been denied by the Commission?

Yes No

(d) a broadcast station, the license of which has been revoked?

Yes No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant?

Yes No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No.
2

- (1) Name of party having interest;
- (2) Nature of interest or connection, giving dates;
- (3) Call letters of stations or file number of application or docket; and
- (4) Location.

SECTION III - FINANCIAL QUALIFICATIONS

Note: If this application is for a change in an operating facility, DO NOT fill out this Section.

1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration? Yes No
2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision? Yes No

NOTE: If either Questions 1 or 2 is answered "Yes," your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on your part is required. If you rely on funds from a source specified in Question 2, you must advise the F.C.C. when the funds are committed or appropriated. This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

3. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without additional funds. Yes No

SECTION IV - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No.
3

NOTE: No program service statement need be filed where the proposed station's programming would be wholly "instructional" as that type of programming is defined in the instructions to this Section.

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____
--	---

Name of Applicant
 Public Broadcasting Foundation of Northwest Ohio

Call letters <i>(if issued)</i> TBA	Is this application being filed in response to a window? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, specify closing date: _____
--	---

Purpose of Application: *(check appropriate boxes)*

- | | |
|--|---|
| <input checked="" type="checkbox"/> Construct a new (main) facility * See Ex #E1 Engineering Statement | <input type="checkbox"/> Construct a new auxiliary facility |
| <input type="checkbox"/> Modify existing construction permit for main facility | <input type="checkbox"/> Modify existing construction permit for auxiliary facility |
| <input type="checkbox"/> Modify licensed main facility | <input type="checkbox"/> Modify licensed auxiliary facility |

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- | | |
|---|---|
| <input type="checkbox"/> Antenna supporting-structure height | <input type="checkbox"/> Effective radiated power |
| <input type="checkbox"/> Antenna height above average terrain | <input type="checkbox"/> Frequency |
| <input type="checkbox"/> Antenna location | <input type="checkbox"/> Class |
| <input type="checkbox"/> Main Studio location | <input type="checkbox"/> Other <i>(Summarize briefly)</i> |

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:			Class <i>(check only one box below)</i>			
220	City Defiance	County Defiance	State OH	<input checked="" type="checkbox"/> A	<input type="checkbox"/> B1	<input type="checkbox"/> B	<input type="checkbox"/> C3
				<input type="checkbox"/> C2	<input type="checkbox"/> C1	<input type="checkbox"/> C	<input type="checkbox"/> D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

Off Hwy 15, 7/10 mile south of Brunersburg

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array.

Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	41°	17'	41"	Longitude	84°	23'	24"
----------	-----	-----	-----	-----------	-----	-----	-----

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? Yes No

If Yes, give call letter(s) or file number(s) or both. _____ N/A

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any. _____ N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?
If Yes, list old coordinates.

Yes No

Latitude ° ' "	Longitude ° ' "
---	--

5. Has the FAA been notified of the proposed construction?

Yes No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date January 31, 1995 Office where filed Great Lakes Regional

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>Defiance Memorial</u>	<u>5.8</u>	<u>325.6 Deg.</u>
(b) _____	_____	_____

7. (a) Elevation: *(to the nearest meter)*

- (1) of site above mean sea level; 213 meters
- (2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 100 meters
- (3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 313 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

- (1) above ground 95 meters (H)
- 95 meters (V)
- (2) above mean sea level [(aX1) + (bX1)] 308 meters (H)
- 308 meters (V)
- (3) above average terrain 93 meters (H)
- 93 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No. E2

9. Effective Radiated Power:

(a) ERP in the horizontal plane 6.0 kw (H*) 6.0 kw (V*) DA

(b) Is beam tilt proposed?

Yes No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No. N/A

_____ kw (H*) _____ kw (V*)

*Polarization

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

Yes No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.
E3

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

Yes No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
E4

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

Yes No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)

Exhibit No.
E5

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
E6

14. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
E7

- (a) the proposed transmitter location, and the radials along with profile graphs have been prepared;
- (b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and
- (c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1,954.2 sq. km. Population 69,227

16. Attach as an Exhibit a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.

Exhibit No.
N/A

Enter the following from Exhibit above: Gain Area _____ sq. mi.
Loss Area _____ sq. mi.

Percent change (gain area plus loss area as percentage of present area) 100 %. (New station)
If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

Exhibit No.
N/A

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (*Sectional Aeronautical Chart or equivalent*) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: _____)

18. Terrain and coverage data (*to be calculated in accordance with 47 C.F.R. Section 73.313*).

Source of terrain data: (*check only one box below*)

Linearly interpolated 30-second database 7.5 minute topographic map

(Source: N.G.D.C.)

Other (*briefly summarize*)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	*	*
45	* See Ex #E1, Pg #4	*
90	*	*
135	*	*
180	*	*
225	*	*
270	*	*
315	*	*

Allocation Studies

(*See Subpart C of 47 C.F.R. Part 73*)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

Yes No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.
N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? Yes No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.
E8 *

* no pertinent Canadian relationships

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.
E8

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ (*separation requirements involving intermediate frequency (i.f.) interference*).

Exhibit No.
E8 *

* no pertinent I.F. relationships

23.(a) Is the proposed operation on Channel 218, 219, or 220?

Yes No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

Yes No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.
E8

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.
N/A

- (1) Protected and interfering contours, in all directions (360), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

Yes No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.
E9

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

Yes No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.
N/A

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

Yes No *

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

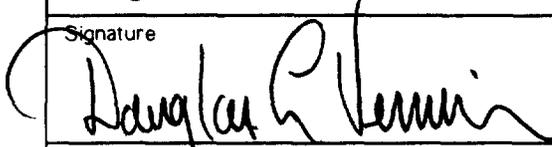
Exhibit No.
N/A

If No, explain briefly why not.

Tower categorically excluded. * See Ex #E10 for RF hazard statement.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) Douglas L. Vernier	Relationship to Applicant (e.g., Consulting Engineer) Technical Consultant
Signature 	Address (Include ZIP Code) 1600 Picturesque Dr. Cedar Falls, IA 50613
Date January 31, 1995	Telephone No. (Include Area Code) (319) 266-8402

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees? Yes No
- If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII - CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580? Yes No
2. The applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal 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 pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. 1.2002(b). Yes No

The APPLICANT hereby waives 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 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 exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

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).

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant Public Broadcasting Foundation of Northwest Ohio	Title President & General Manager
Signature <i>Shirley L. Timoneke</i>	Date <i>February 8, 1995</i>

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 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.

Public reporting burden for this collection of information is estimated to vary from 78 to 302 hours 20 minutes with an average of 171 hours 36 minutes per response. These estimates 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 (3060-0034), Washington, D.C. 20503.

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 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

Exhibit 1

EDUCATIONAL PROGRAM ADVANCEMENT

The applicant is a non-profit foundation. Its corporate purpose is to furnish non-profit and non-commercial educational telecommunications services. This proposal will further that purpose by extending the reach of Applicant's radio program services and by providing a public radio station for an unserved community and area.

Applicant proposes to serve Defiance, Ohio, and the surrounding area with programming designed to meet the educational needs of the community. The applicant has a 35 year record of providing a high quality, educational broadcast service to its viewers and listeners.

The applicant will broadcast over 5 hours of news and information programming per day, aiding in the education of its audience about significant local, regional, national and international issues. Local issues of public concern and importance will be covered clearly and completely on an on-going basis in order to educate listeners.

From time to time, as events warrant, the applicant will produce special educational programs on issues of local concern, and pre-empt regular programming to present events of public importance.

The applicant will also provide the community with a high quality classical music service. In addition to providing a service which educates its listeners on this art form, the service will also be used by the educational community to foster an appreciation by their students.

EXHIBIT 2

The Public Broadcasting Foundation of Northwest Ohio is the licensee of non-commercial educational stations WGTE-TV, WGTE-FM Toledo, Ohio, and WGLE-FM Lima, Ohio.

The Public Broadcasting Foundation of Northwest Ohio also has a pending application for an FM construction permit, application reference number: 940316MF for a new FM facility in Bryan, Ohio.

**EXHIBIT 3
PROGRAM SERVICE STATEMENT**

The following are examples of the proposed programming which will be broadcast upon successful application for a non-commercial educational station located in Defiance, Ohio. The Foundation feels that programs such as these relate to the issues of public concern facing the proposed service area. This is a representative list, and programming produced for the Defiance area will increase as the needs of the population dictate.

- MORNING EDITION:** This program will be broadcast Monday through Friday from 6:00 - 9:00 am, and includes stories from around the world from National Public Radio, and numerous state and local reports each hour. Feature length local segments are also an important part of the program.
- THE NOON NEWS:** Broadcast Monday through Friday at noon, this broadcast features national news, followed by state and local news and weather broadcasts.
- THE FOUR O'CLOCK NEWS** This program, broadcast Monday through Friday, updates important national news with local and state news of importance to listeners in Northwest Ohio.
- MONITOR RADIO:** Learning about international issues of concern to the audience is the focus of this program. Broadcast from 4:30 - 5:00 pm weekdays, it also contains opportunities for updating local stories of interest.
- ALL THINGS CONSIDERED:** This 90 minute program, broadcast weekdays from 5:00 - 6:30, contains long form analysis of important local, national, and international stories. A shortened edition of this program is broadcast Saturday and Sunday from 5 PM - 6 PM.
- WEEKEND EDITION:** Broadcast Saturday and Sunday mornings from 8:00 - 10:00 am, this series contains stories and analysis of important issues for the community.
- OPERALOG:** Educating listeners about opera is the focus of this locally produced program. Each week, this half hour program explains a popular opera, which is then broadcast in its entirety following the program.
- CARTALK:** This one hour, weekly program helps listeners learn about the upkeep and repair of their automobiles.

MARKETPLACE:

This is a half-hour business news magazine broadcast from 6:30 - 7:00 PM weekdays. The program reviews the days activity in financial markets around the world, tracks trends in the business world and investment strategy.

This applicant will ascertain the issues facing Defiance on a continuing basis and will broadcast responsive programming in accordance with FCC rules.

EXHIBIT #E1

ENGINEERING STATEMENT

Concerning the Application of the
Public Broadcasting Foundation of Northwest Ohio
to Construct a New Educational FM Station
at Defiance, Ohio

January 1995

Channel 220

6 kW DA

This engineering statement supports the application by the Public Broadcasting Foundation of Northwest, Ohio to build a new non-commercial, class A, educational FM radio station to serve Defiance, Ohio and the surrounding area.

Under the instant proposal, a type approved FM transmitter generates an output power of 2.323 kilowatts. The proposed 1 5/8", Andrew, HJ7-50A copper transmission line, has an efficiency for its 100 meter length (328') of 86.1 percent. Therefore, the proposed Jampro three bay, circularly polarized, custom directional antenna has at its input 2.0 kilowatts of power. The antenna has a power gain of 3.0 in the both planes resulting in an effective radiated power of 6.0 kW.

Exhibit # E2 is a vertical sketch showing the proposed side-mounted antenna located on the proposed tower. The Great Lakes Regional Office of the Federal Aviation Administration has been notified of the applicant's plans to erect the proposed tower.

Exhibit # E3, pages #1 through #7, is the directional antenna exhibit. The proposed custom directional antenna pattern meets the Commission's rules in that the radio frequency radiation does not change more than two dB for each ten degrees of azimuthal variation. Also, the maximum pattern attenuation in the deepest null is less than 15 dB. The pattern shown is a composite of the maximum field values in the horizontal and vertical planes. The proposed antenna will be mounted on the side of a tower that has been specified by the antenna manufacturer in accordance to the instructions provided by the manufacturer. The antenna will not be mounted on the top of a tower which includes a top mounted platform larger than the nominal cross-sectional area of the tower in the horizontal plane. No other antennas of any type will be mounted on the same tower level as the directional antenna nor within the horizontal or vertical distance specified by the manufacturer as being necessary to maintain proper directional operation. The antenna will be designed and tested by a major manufacturer of broadcast

antennas known to the Commission. The pattern will be achieved through traditional methods including power splitting between panels and through phasing.

Exhibit # E4 is an exhibit prepared by the Public Broadcasting Foundation of Northwest Ohio which explains the applicant's need to operate the proposed facility as a satellite of WGTE (FM), Toledo, Ohio.

Exhibit # E5 is an exhibit addressing the concerns of blanketing and intermodulation.

Exhibit # E6 is a full scale section of a 7 1/2 minute, 1:24,000, U.S. Geological Survey topographic quadrangle map (Defiance West, OH) showing the exact transmitter location and base elevation.

Signal Contours and Coverage Map:

A total of 36 evenly spaced radials were used to determine the antenna height above average terrain used in the instant proposal. The N.G.D.C. 30 arc second database was used to determine the elevations at intervals along the radials of .1 kilometers. The elevations were derived from the database using the require four-point interpolation and averaged along each radial. All 36 elevations were then averaged to determine the station's average elevation and consequent antenna height above average terrain. The Commission's own TVFMINT FORTRAN computer algorithm was employed to determine the distance to the pertinent contours based upon input of the radial HAAT, operating power and signal level to be predicted. (See a tabular listing of these contours on page #4 of this exhibit.)

Exhibit # E7 is a map of the proposed 1 mV/m F(50-50) contour which shows the eight cardinal radials. This map was computer generated using U.S. Geological Survey Digital Line Graph data which was originally digitized from 1:2,000,000 scale maps. A total of 360 evenly spaced radials were used to plot the 60 dBu contour. The political boundaries of Defiance, Ohio, the city of licensee, are shown to be fully encompassed by the proposed 60 dBu service contour.

The area within the proposed 60 dBu, 1 mV/m contour, amounts to 1,954.2 square kilometers. This figure was determined by averaging the distance to the contour along 360 evenly spaced radials. The resulting average was used in the following formula to determine the area within the contour: $Area = \pi R^2$. The population within the 60 dBu service contour was determined to be 69,227 people through the use of a computer program which extracts a population count based on population centroids defined by U.S. Census 1990 (PL-94-171) digital census data. This program draws data from the following summary level: State-County-Voting District/Remainder-County Subdivision, Place/Remainder-Census Tract/Block Numbering Area-Block Group.

Exhibit # E8, page # 1 through # 5, is an FM channel allocation study, reflecting full compliance by the applicant to the requirements of Sec. 73.509 of the Commission's Rules and Regulations. The allocation map, found in the exhibit, was prepared using terrain elevation radials of one degree intervals over 110 degrees of arc between the relevant stations. Both the N.G.D.C. 30 arc-second terrain elevation database and the Commission's TVFMINT computer algorithm subroutine were used to determine the location of the contours drawn on the map. The U.S.G.S. digital line graph files were used to accurately define the state border lines also shown on the

map. There are no relevant I.F. relationships. The proposed facility does not have a Mexican border relationship. The proposal is within 320 kilometers from the US border with Canada and therefore this proposal requires concurrence with the Canadian government. There are no relevant relationships with Canadian stations. This proposal meets all class spacing requirements with stations operating in the commercial portion of the FM band, see Section 73.207.

Exhibit # E9 is an exhibit which details the protection provided to channel-six television stations by the instant proposal.

Exhibit # E10 is an R.F. hazard study which shows that the proposed FM station will meet the commission guidelines as expressed in OST # 65.

Page # 5 of Exhibit #E1, is a statement attesting to the qualifications of the preparer.