

15. 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 V. The map must further 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.
E-3

16. 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.
E-5

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 318 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. - 259 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1743 sq. km. Population 132,727

18. 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:

Exhibit No.
N/A

(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.

19. 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: _____)

Other *(briefly summarize)* WAYI-FM File at FCC

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 18 km (meters)	Predicted Distances	
		To the 316 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
-			
0			
45			
90	See Exhibit No. E-4		
135			
180			
225			
270			
315			

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement/See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 11907 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 11911.

Exhibit No.
N/A

If No, explain briefly why not.

See Exhibit No. E-1

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) Charles I. Gallagher	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature <i>Charles I. Gallagher</i>	Address (Include ZIP Code) Gallagher & Associates 5385 Broadwater Lane Clarksville, MD 21029
Date April 23, 1991	Telephone No. (Include Area Code) (301) 854-2636

EXHIBIT NO. E-1

**ENGINEERING STATEMENT
IN REGARD TO THE
APPLICATION FOR CONSTRUCTION PERMIT
NEW FM BROADCAST STATION
GLENS FALLS, NEW YORK
ERP 0.37 kW AT 279 METRES AAT**

This engineering statement and associated exhibits have been prepared on behalf of Lawrence N. Brandt, an applicant for a new FM broadcast station at Glens Falls, New York, to operate on Channel 240 with an effective radiated power of 0.37 kW and an antenna height of 279 metres above average terrain. This application proposes operation using the same channel allotment as used by WYLR-FM, Glens Falls, New York, and is being filed against the license renewal of WYLR-FM. This engineering report contains Section V-B of FCC Form 301 and the exhibits and data required by that section and the FCC Rules.

The location of the proposed transmitting site is described on the forms and exhibits attached hereto. When rounded to the nearest whole kilometre, the transmitting site will comply with all of the separation requirements of Section 73.207 of the FCC Rules toward all domestic stations. The site proposed herein and the site used by WYLR-FM are both less than 320 km from the U.S.-Canadian border. The present facilities of WYLR-FM are 0.24 kW at 280 metres, equivalent to an ERP of 3 kW at 100 metres. This application proposes operation with an ERP of 0.37 kW at 279 metres above average terrain and is also equivalent to 3 kW at 100 metres, and complies with the separation requirements toward all Canadian stations

and allotments as required by Section 73.207(b)(2) for a 3 kW Class A station.

It is proposed to increase the height of the existing tower used by WAYI-FM, Hudson Falls, New York, and to mount the proposed transmitting antenna above the antenna used by WAYI-FM. There are two other FM stations and two licensed TV stations within 10 kilometres of the proposed site. The applicant will employ such measures as necessary to assure operation in accordance with Section 73.317 of the FCC Rules. The effects of receiver induced intermodulation are dependent on the characteristics of the individual receivers involved and therefore cannot be predicted. In this regard, it should be noted that the site is in a remote area and that there are no residences within the blanket radius. However, if complaints of interference are received, the applicant agrees to rectify any complaints in accordance with Section 73.318 of the Commission's Rules, and past policies regarding such interference.

Exhibit No. E-5 is a Department of Commerce Sectional Aeronautical Chart showing the proposed site, radials used for terrain analysis, the 3.16 mV/m and 1 mV/m contours, and the city limits of Glens Falls, as well as the original printed latitude and longitude markings. The distance to the field strength contours shown were determined in accordance with Section 73.313 of the Commission's Rules using a computer program that duplicates the results that would be obtained from Figure 1 and Figure 1a of Section 73.333 of the Rules. The average 3 to 16 kilometre terrain

elevation of each radial was obtained from the data contained in the WAYI file at the FCC.

In October, 1985, the Commission issued OST Bulletin No. 65, entitled "Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Radiation". The following evaluation is based on worst case figures from Table 1 for FM, page 37, (Appendix B) of OST No. 65. That table shows that an FM station with a combined effective radiated power (ERP) of 3 kW (H+V) must have a center of radiation above ground level of at least 10 metres. It is proposed to operate with a combined ERP of 0.74 kW and an antenna height of 41 metres above ground level. In addition, WAYI operates with a combined ERP of 0.48 kW and an antenna height of 20 metres above ground level. The sum of the power levels is 1.22 kW, still less than the 3 kW specified in Table 1 and the lowest antenna is more than 10 metres above ground level. Therefore, the operation as proposed herein will comply with the guidelines in OST-65, since none of the area within 10 metres of either antenna will be accessible to the public. A fence or anti-climbing device will be installed to prevent unauthorized access to the tower. Suitable procedures will, of course, be instituted regarding workers who must climb the tower.

It is proposed to mount the FM broadcast transmitting antenna on an existing tower. Although there will be a change in the overall height, no change in location or obstruction lighting are proposed. In addition, the proposed transmitting site would not involve construction in conflict with

GALLAGHER & ASSOCIATES

CONSULTING RADIO ENGINEERS

CLARKSVILLE MD

EXHIBIT NO. E-1

Page 4

any of the conditions described in Section 1.1307 of the FCC Rules. Further, as discussed above, the proposed operation would not involve conflict with Section 1.1307(b) of the FCC Rules. Therefore, pursuant to Section 1.1306(b) of the Rules, any Commission action with respect to this application will be categorically excluded from environmental processing.

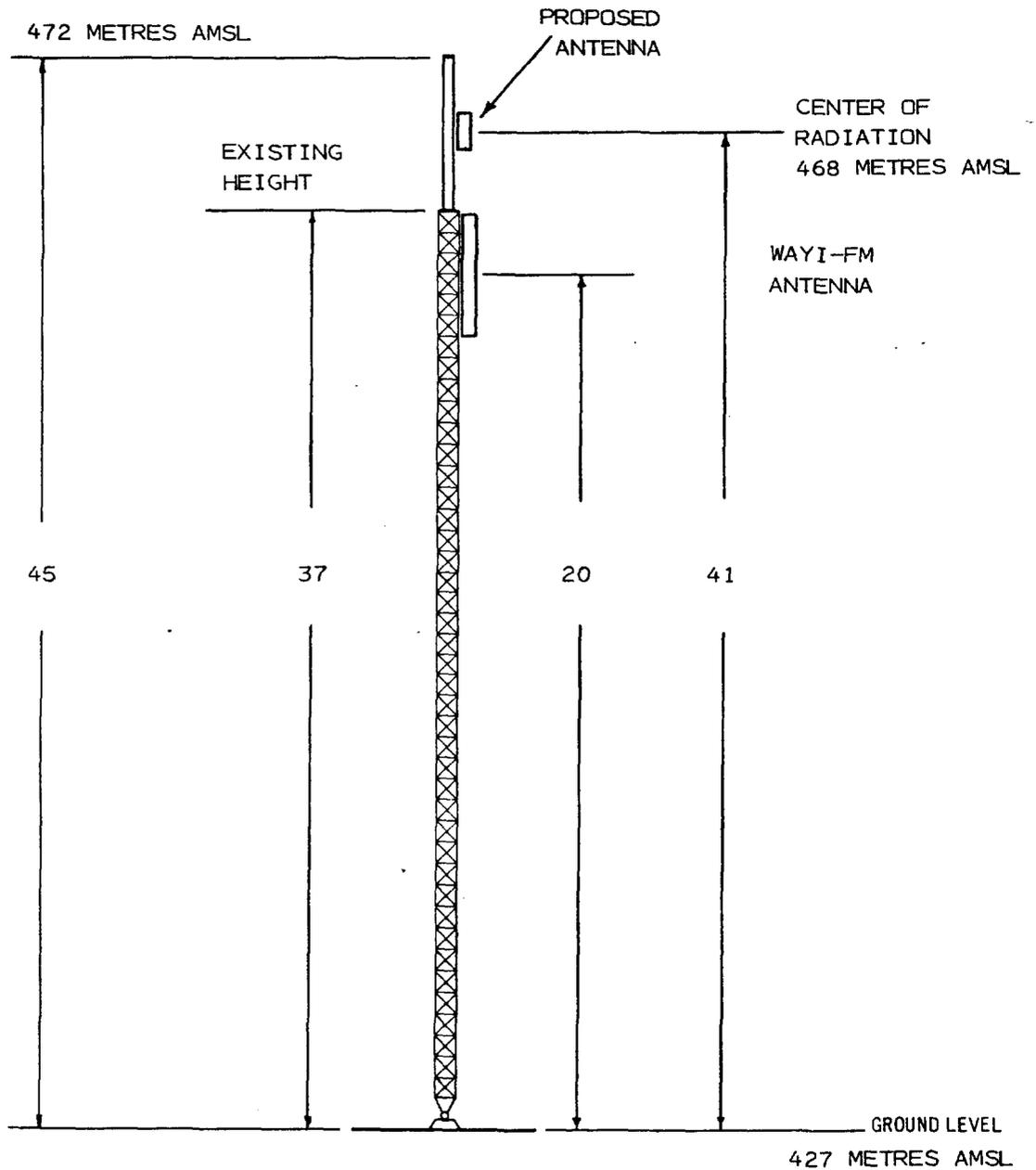
It is believed that the operation proposed herein will be in accordance with all of the allocation and technical requirements of the FCC Rules governing FM broadcast stations.

This engineering statement and associated exhibits have been prepared by or under the direct supervision of Charles I. Gallagher, who states that he is a Consulting Radio Engineer, and a Registered Professional Engineer in the State of Maryland, No. 11415, that his qualifications are a matter of record with the Federal Communications Commission, having been presented on previous occasions. All data and statements contained herein are true and correct to the best of his knowledge and belief.


Charles I. Gallagher

April 23, 1991

ALL HEIGHTS IN METRES



NOT TO SCALE

GALLAGHER & ASSOCIATES
CONSULTING RADIO ENGINEERS CLARKSVILLE, MD

VERTICAL SKETCH
PROPOSED NEW FM STATION
GLENS FALLS, NEW YORK

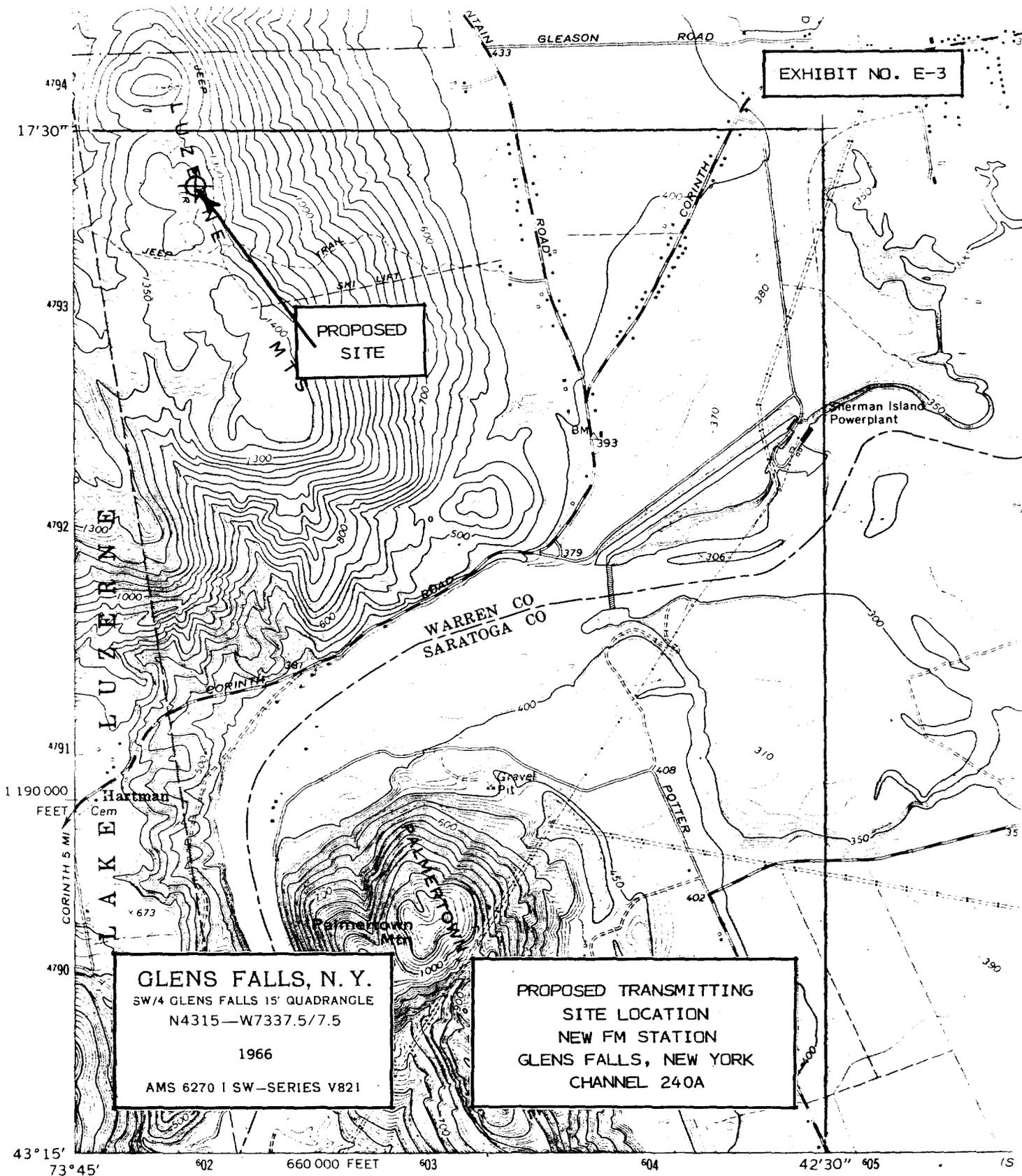


EXHIBIT NO. E-3

PROPOSED SITE

Herman Island Powerplant

WARREN CO
SARATOGA CO

GLENS FALLS, N. Y.
SW/4 GLENS FALLS 15' QUADRANGLE
N4315—W7337.5/7.5
1966
AMS 6270 I SW—SERIES V821

PROPOSED TRANSMITTING
SITE LOCATION
NEW FM STATION
GLENS FALLS, NEW YORK
CHANNEL 240A

43°15' 73°45' 602 660 000 FEET 603 604 42'30" 605

(SARATOGA 1:62 500)
6270 III

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1964. Field checked 1966

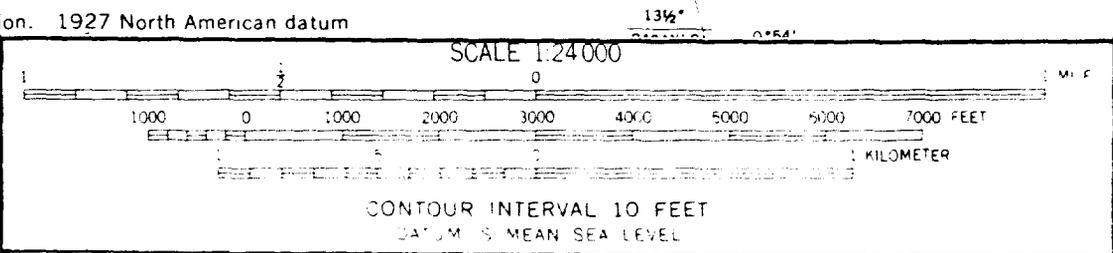
Polyconic projection. 1927 North American datum

10,000-foot grid
1000-meter Univ
shown in blue

Fine red dashed
generally visible

Red tint indicate

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CONSULTING RADIO ENGINEERS



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CLARKSVILLE MD

EXHIBIT NO. E-4

CALCULATED COVERAGE CONTOURS
NEW FM BROADCAST STATION
GLENS FALLS, NEW YORK
ERP 370 WATTS AT 279 METRES AAT

AZIMUTH DEGREES	ANTENNA HAAT (METRES)	E.R.P. IN KW	70 dBu KILOMETRES	60 dBu KILOMETRES
0	106	0.370	8.3	14.7
45	348	0.370	15.0	26.6
90	385	0.370	15.8	27.9
135	386	0.370	15.8	27.9
180	298	0.370	13.9	24.6
225	267	0.370	13.2	23.3
270	248	0.370	12.7	22.5
315	191	0.370	11.2	20.0
73*	371	0.370	15.5	27.4

Antenna height above average terrain = 279 METRES

* Radial through principal community, NOT included in average
Average figures are expressed to the nearest whole
number and are based on accuracy to nearest metre.

EXHIBIT NO. E-5

GLENS FALLS CITY LIMITS

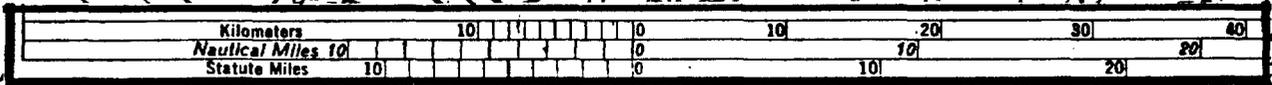
PROPOSED SITE

70 DBU
3.16 MV/M
CONTOUR

60 DBU
1 MV/M
CONTOUR

ALBANY
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
Base: Edition of Nov. 1951 Revised Nov. 1968

The Field Strength Contours shown on this map were calculated using the procedures set forth in the FCC Rules. Actual Field Strength may be different than shown.



GALLAGHER & ASSOCIATES
CONSULTING RADIO ENGINEERS CLARKSVILLE, MD

CALCULATED COVERAGE CONTOURS
NEW FM BROADCAST STATION
GLENS FALLS, NEW YORK
95.9 MHZ, 370 WATTS AT 279 METRES AAT

~~910603MC~~

Arent Fox Kintner Plotkin & Kahn

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AM

ORIGINAL

JUN 4 2 40 PM '91

JUN 3 - 1991

David Tillotson
202/857-6027

AUDIO SERVICES
SECTION

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

June 3, 1991

Ms. Donna R. Searcy
Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Dear Ms. Searcy:

BPH-910430MB

Submitted herewith, in triplicate, is an amendment to the pending application of Lawrence N. Brandt (ARN-~~910510EB~~) for a construction permit for a new FM station to operate on Channel 240A at Glens Falls, New York.

This amendment is filed as of right pursuant to Section 73.3522(a)(6) of the Commission's Rules.

If you have any questions concerning this amendment, please get in touch with me.

Sincerely,



David Tillotson

Enclosures

1050 Connecticut Avenue, NW
Washington, DC 20036-5339

Telephone: 202/857-6000
Cable: ARFOX
Telex: WU 892672
ITT 440266
Facsimile: 202/857-6395

7475 Wisconsin Avenue
Bethesda, Maryland 20814-3413

8000 Towers Crescent Drive
Vienna, Virginia 22182-2733

RECEIVED
ORIGINAL

JUN 3 - 1991

AMENDMENT FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

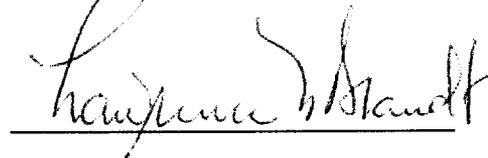
910430MB

The pending application (ARN-~~910510EB~~) of Lawrence N. Brandt for a construction permit for a new FM station on Channel 240A at Glens Falls, New York is hereby amended as follows:

1. The "Engineering Exhibits" consisting of FCC Form 301, Section V-B and related exhibits attached hereto are substituted for the corresponding Engineering Exhibits that were submitted with the application as originally filed to reflect that the applicant is proposing a new transmitter site located approximately 1,600 feet north of the site originally specified.

2. The applicant's responses to Question 2 and 3 under Section III of the application form are changed to reflect that the applicant now estimates that he will need \$250,000 to construct the proposed station and to operate it for three months without revenue and to reflect that the applicant remains the source of all of the necessary funds.

LAWRENCE N. BRANDT



Date: May 29, 1991

ORIGINAL

ENGINEERING EXHIBITS

AMENDMENT TO THE
APPLICATION FOR
CONSTRUCTION PERMIT

NEW FM STATION
GLENS FALLS, NEW YORK
95.9 MHz, 0.37 kW AT 279 METRES AAT

Lawrence N. Brandt

May 1991

GALLAGHER & ASSOCIATES

CONSULTING RADIO ENGINEERS

CLARKSVILLE MD

NEW FM BROADCAST STATION GLENS FALLS, NEW YORK

CONTENTS OF REPORT

	Section V-B of FCC Form 301
EXHIBIT NO. E-1	Engineering Statement
EXHIBIT NO. E-2	Vertical Sketch
EXHIBIT NO. E-3	U.S.G.S. 7.5 Minute Quadrangle Showing Transmitting Site
EXHIBIT NO. E-4	Tabulation of Distances to Field Strength Contours
EXHIBIT NO. E-5	Map Showing Coverage Contours and City Limits

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant

Lawrence N. Brandt

Call letters (if issued)

None

Is this application being filed in response to a window? Yes No

If Yes, specify closing date: _____

Purpose of Application: (check appropriate boxes)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Construct a new (main) facility | <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 (Summarize briefly) |

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
240	Glens Falls	Warren	NY

Class (check only one box below)

- A B1 B C3
 C2 C1 C

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.

West Mountain Ski Center, Luzerne Mountain, Warren County, New York.

(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	43°	17'	36"	Longitude	73°	44'	45"
----------	-----	-----	-----	-----------	-----	-----	-----

8. 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. _____

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. _____

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

Yes No

Not Required

Exhibit No. N/A

Date _____ Office where filed _____

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) _____	None	_____
(b) _____	_____	_____

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

- (1) of site above mean sea level; 447 meters
- (2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 32 meters
- (3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 479 meters

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

- (1) above ground 29 meters (H)
- 29 meters (V)
- (2) above mean sea level [(aX1) + (bX1)] 476 meters (H)
- 476 meters (V)
- (3) above average terrain 279 meters (H)
- 279 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. E-2

9. Effective Radiated Power:

(a) ERP in the horizontal plane 0.37 kw (H=) 0.37 kw (V=)

(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

N/A kw (H=) N/A kw (V=)

=Polarization

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 73.318, including plot(s) and tabulations of the relative field.

Exhibit No.
N/A

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

Yes No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 818 mV/m service.

Exhibit No.
N/A

12. Will the main studio be within the ~~expected~~ ^{predicted} 818 mV/m field strength contour of this proposal?

Yes No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1126.

Exhibit No.
N/A

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

Yes No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

Yes No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.
E-1

(d) If the answer to (a) is No and 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

(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 the 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 exhibit(s).

14. 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(a) and 73.318.)

Exhibit No.
E-I

15. 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 V. The map must further 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.
E-3

16. 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.
E-5

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 316 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 259 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1774 sq. km. Population 128,914

18. 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:

Exhibit No.
N/A

(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.

19. 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: _____)

Other *(briefly summarize)*

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
.			
0			
45	See Exhibit No. E-4		
90			
135			
180			
225			
270			
315			

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement/See 47 C.F.R. Section 1.1301 et seq.

Would a Commission grant of this application come within Section 11.807 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 11.811

Exhibit No.
N/A

If No, explain briefly why not.

Exhibit No. E-1

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) Charles I. Gallagher	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature 	Address (Include ZIP Code) Gallagher & Associates 5385 Broadwater Lane Clarksville, MD 21029
Date May 21, 1991	Telephone No. (Include Area Code) (301) 854-2636

EXHIBIT NO. E-1

**ENGINEERING STATEMENT
IN REGARD TO AN AMENDMENT TO THE
APPLICATION FOR CONSTRUCTION PERMIT
NEW FM BROADCAST STATION
GLENS FALLS, NEW YORK
ERP 0.37 kW AT 279 METRES AAT**

This engineering statement and associated exhibits have been prepared on behalf of Lawrence N. Brandt, to accompany an amendment to his application for a new FM broadcast station at Glens Falls, New York, to operate on Channel 240 with an effective radiated power of 0.37 kW and an antenna height of 279 metres above average terrain. This amendment specifies operation with the same facilities from a transmitting site 488 metres north-northwest of the site specified in the application on file. This application proposes operation using the same channel allotment as used by WYLR-FM, Glens Falls, New York, and is being filed against the license renewal of WYLR-FM. The engineering portion of this amendment is complete within itself and supersedes all engineering data presently on file. This engineering report contains Section V-B of FCC Form 301 and the exhibits and data required by that section and the FCC Rules.

The location of the proposed transmitting site is described on the forms and exhibits attached hereto. The site proposed herein and the site used by WYLR-FM are both less than 320 km from the U.S.-Canadian Border. The present facilities of WYLR-FM are 0.24 kW at 280 metres, equivalent to an ERP of 3 kW at 100 metres. This application proposes operation with an ERP of 0.37 kW at 279 metres above average terrain and is also equivalent

GALLAGHER & ASSOCIATES

CONSULTING RADIO ENGINEERS

CLARKSVILLE, MD

EXHIBIT NO. E-1

Page 2

to 3 kW at 100 metres. The WYLR-FM licensed transmitting site does not comply with the separations required by Section 73.207 of the FCC Rules, but since it was licensed prior to October 2, 1989, it qualifies under Section 73.213(c). The WYLR-FM site does comply with the separation requirements of that section. There is no area where a transmitting site would comply with Section 73.207 of the Rules. Since this application is being filed against the license renewal of WYLR-FM, it is understood that the rules applicable to WYLR-FM are applicable to this proposal. When rounded to the nearest whole kilometre, the proposed transmitting site will comply with all of the separation requirements of Section 73.213(c) of the FCC Rules toward all domestic stations, and complies with the separation requirements toward all Canadian stations and allotments as required by Section 73.207(b)(2) for a 3 kW Class A station.

The proposed transmitting site will be located 488 metres from the existing tower used by WAYI-FM, Hudson Falls, New York. There are two other FM stations and two licensed TV stations within 10 kilometres of the proposed site. The applicant will employ such measures as necessary to assure operation in accordance with Section 73.317 of the FCC Rules. The effects of receiver induced intermodulation are dependent on the characteristics of the individual receivers involved and therefore cannot be predicted. In this regard, it should be noted that the site is in a remote area and that there are no residences within the blanket radius. However, if complaints of interference are received, the applicant agrees

to rectify any complaints in accordance with Section 73.318 of the Commission's Rules, and past policies regarding such interference.

Exhibit No. E-5 is a Department of Commerce Sectional Aeronautical Chart showing the proposed site, radials used for terrain analysis, the 3.16 mV/m and 1 mV/m contours, and the city limits of Glens Falls, as well as the original printed latitude and longitude markings. The distance to the field strength contours shown were determined in accordance with Section 73.313 of the Commission's Rules using a computer program that duplicates the results that would be obtained from Figure 1 and Figure 1a of Section 73.333 of the Rules. The average 3 to 16 kilometre terrain elevation of each radial was computer generated using the National Geophysical Data Center thirty-second data point data base.

In October, 1985, the Commission issued OST Bulletin No. 65, entitled "Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Radiation". The following evaluation is based on worst case figures from Table 1 for FM, page 37, (Appendix B) of OST No. 65. That table shows that an FM station with a combined effective radiated power (ERP) of 3 kW (H+V) must have a center of radiation above ground level of at least 10 metres. It is proposed to operate with a combined ERP of 0.74 kW and an antenna height of 29 metres above ground level. As can be seen, the operation as proposed herein will comply with the guidelines in OST-65, since none of the area within 10 metres of the antenna will be accessible to the public. A fence or anti-climbing device will be installed to prevent unauthorized access to the tower. Suitable

procedures will, of course, be instituted regarding workers who must climb the tower.

The proposed transmitting site would not involve construction in conflict with any of the conditions described in Section 1.1307 of the FCC Rules. Further, as discussed above, the proposed operation would not involve conflict with Section 1.1307(b) of the FCC Rules. Therefore, pursuant to Section 1.1306(b) of the Rules, any Commission action with respect to this application would be categorically excluded from environmental processing.

It is believed that the operation proposed herein will be in accordance with all of the allocation and technical requirements of the FCC Rules governing FM broadcast stations.

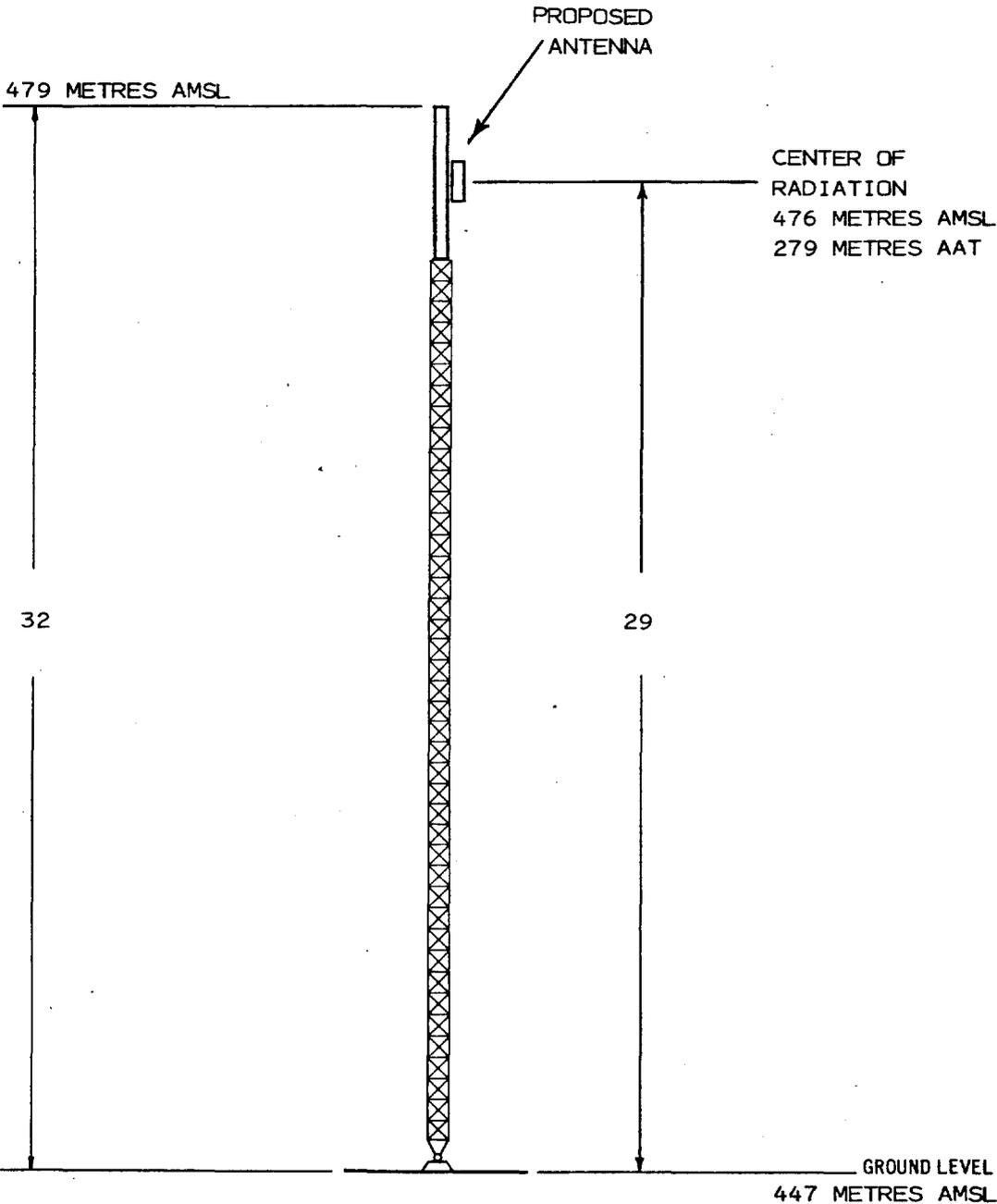
This engineering statement and associated exhibits have been prepared by or under the direct supervision of Charles I. Gallagher, who states that he is a Consulting Radio Engineer, and a Registered Professional Engineer in the State of Maryland, No. 11415, that his qualifications are a matter of record with the Federal Communications Commission, having been presented on previous occasions. All data and statements contained herein are true and correct to the best of his knowledge and belief.



Charles I. Gallagher

May 21, 1991

ALL HEIGHTS IN METRES



NOT TO SCALE

GALLAGHER & ASSOCIATES
CONSULTING RADIO ENGINEERS CLARKSVILLE, MD

VERTICAL SKETCH
PROPOSED NEW FM STATION
GLENS FALLS, NEW YORK

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