

**ORIGINAL**

*Entered  
S.W.*

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**BARAFF, KOERNER, OLENDER & HOCHBERG, P. C.**

DEC 20 1990

ATTORNEYS AT LAW

2033 M STREET, N.W., SUITE 700

WASHINGTON, D. C. 20036-3355

(202) 452-8200

Federal Communications Commission  
Office of the Secretary

DEC 21 11 29 AM '90

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OF COUNSEL  
ROBERT BENNETT LUBIC

December 20, 1990

TELECOPY  
(202) 223-2695

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

Re: File No. BPED-900606MC  
Murrysville, PA  
8920-JRW

Dear Ms. Searcy:

Transmitted herewith, on behalf of He's Alive, Incorporated, applicant for a non-commercial educational FM station at Murrysville, Pennsylvania on Channel 201A are an original and two (2) copies of a Petition for Leave to Amend and Request for Reinstatement Nunc Pro Tunc.

Should further information be desired in connection with this matter, please contact the undersigned.

Very truly yours,

  
Lee J. Peltzman  
Counsel for  
HE'S ALIVE, INCORPORATED

LJP:bpt  
Enclosure  
cc: Mr. James Crutchfield (w/enclosure via Hand Delivery FCC)  
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FEDERAL COMMUNICATIONS COMMISSION

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DEC 20 1990

Before the  
Federal Communications Commission  
Washington, D.C. 20554

Federal Communications Commission  
Office of the Secretary

11-23-1990

In re Application of )  
 )  
HE'S ALIVE, INCORPORATED ) File No. BPED-900606MC  
 )  
For a New Non-Commercial )  
Educational FM Station at )  
Murrysville, Pennsylvania )

To: Chief, FM Branch  
Audio Services Division  
Mass Media Bureau

PETITION FOR LEAVE TO AMEND AND  
REQUEST FOR REINSTATEMENT NUNC PRO TUNC

He' Alive, Incorporated ("He's Alive"), by its attorneys, hereby petitions for leave to amend its application for a new non-commercial educational FM station at Murrysville, Pennsylvania and for reinstatement and acceptance of that application nunc pro tunc. In support of its request, He's Alive states the following:

On December 6, 1990, the Commission returned the above-captioned application of He's Alive because of impermissible overlap in violation of Section 73.509 of the Commission's rules. See Attachment. Attached hereto is minor curative amendment which is being filed within thirty (30) days of the Commission's action returning the He's Alive application.

The attached amendment is being filed pursuant to the Commission's policy statement, Incomplete and Patently Defective AM and FM Construction Permit Applications, 56 RR 2d 776, 778 (1984). The Commission stated therein that it would continue to act favorably on requests for acceptance nunc pro tunc after the

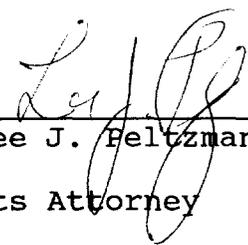
initial return of an application as unacceptable for filing where a minor corrective amendment was also being filed.

Accordingly, for the foregoing reasons, He's Alive requests that the Commission accept the attached minor curative amendment, reinstate He's Alive's application and accept that application nunc pro tunc.

Respectfully submitted,

**HE'S ALIVE INCORPORATED**

By: \_\_\_\_\_

  
Lee J. Feltzman

Its Attorney

**BARAFF, KOERNER, OLENDER  
& HOCHBERG, P.C.**  
2033 M Street, N.W.  
Suite 700  
Washington, D.C. 20036  
(202) 452-8200

December 20, 1990

13328.00\Reinstatement.Pleading

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20554

06 DEC 1990

IN REPLY REFER TO:

8920-JRW

He's Alive, Inc.  
1000 Springs Road  
Grantsville, MD 21536

In re: NEW(FM), Murrysville, PA  
He's Alive, Inc.  
BPED-900606MC

Dear Applicant:

This is in reference to the above-captioned application for a new noncommercial educational FM radio station in Murrysville, PA on Channel 201A. It is proposed to operate this station with an effective radiated power (ERP) of 0.100 kW and an antenna height above average terrain (HAAT) of 67 m.

An engineering study performed by the staff has revealed that your proposal for a new station is in violation of 47 CFR § 73.509 with respect to first adjacent channel station WRCT, license BLED-840419DP. Pursuant to this section, the 60 dBu protected contour of your Class A proposal cannot overlap the 54 dBu interfering contour of Class A station WRCT. Both your application and the staff's analysis correctly conclude that no prohibited overlap of these contours would exist. Similarly, 47 CFR § 73.509 requires that the 54 dBu interfering contour of your proposal may not overlap the 60 dBu protected contour of WRCT. Your application indicates that such overlap would not exist. However, your analysis calculates the appropriate contour distances for the eight standard radials only. An analysis conducted by the staff using the provisions of 47 CFR § 73.509 indicates that up to 1.0 km of overlap between the angles of 250.1° T and 262.4° T and up to 0.2 km of overlap between the angles of 291.0° T and 291.9° T will be created. (A copy of a computer-generated contour study, which calculates the HAATs and contour distance for a large number of azimuths, is attached for your information.) Your application did not calculate HAATs and contours for these specific radials and therefore does not sufficiently demonstrate that prohibited contour overlap will not occur. Accordingly, your proposal is in violation of 47 CFR § 73.509.

Accordingly, in view of the foregoing, your application is unacceptable for filing pursuant to 47 CFR § 73.3566(a) and IS HEREBY RETURNED. This action is taken pursuant to 47 CFR § 0.283.

Please note that pursuant to the Public Notice entitled "Commission States Future Policy on Incomplete and Patently Defective AM and FM Construction Permit Applications", 56 RR 2d 776, 49 Fed. Reg. 47331, released August 2,

1984, your application may be resubmitted within 30 days of the date of this letter with a minor corrective amendment and may be reinstated nunc-pro-tunc upon request. Should you decide to avail yourself of this procedure, please review your application to be certain all items and exhibits are correct. An application returned a second time may not again be reinstated nunc-pro-tunc, as stated in the Public Notice.

Sincerely,

A handwritten signature in black ink that reads "Dennis Williams". The signature is written in a cursive style with a large initial "D".

Dennis Williams  
Chief, FM Branch  
Audio Services Division  
Mass Media Bureau

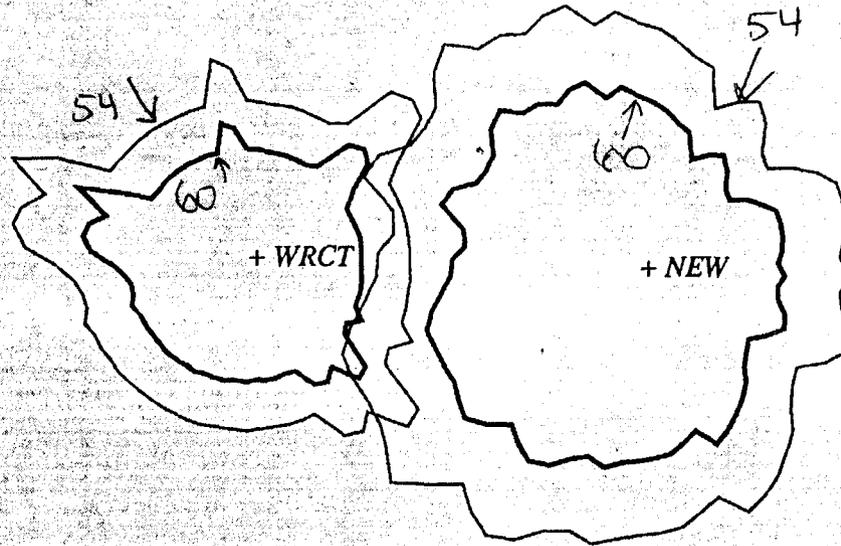
cc: Baraff, Koerner, Olender & Hochberg

B40419DP  
 PROTECTED  
 60.00 dBu

900606MC  
 INTERFERING  
 54.00 dBu

AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	AZIMUTH (degrees)	ERP (kw)	HAAT (m)	DIST (km)	ACTUAL (dBu)	IX (km)
45.0	0.100	60.6	8.0	295.0	0.100	91.5	14.6	53.00	0.0
46.0	0.100	60.2	8.0	294.7	0.100	92.0	14.5	53.18	0.0
47.0	0.100	59.4	7.9	294.3	0.100	92.8	14.4	53.39	0.0
48.0	0.100	58.6	7.9	293.9	0.100	93.6	14.3	53.59	0.0
49.0	0.100	57.3	7.8	293.3	0.100	94.8	14.2	53.81	0.0
50.0	0.100	55.7	7.7	292.6	0.100	96.2	14.1	54.02	0.0
51.0	0.100	53.8	7.5	291.9	0.100	97.4	14.1	54.19	0.2
52.0	0.100	51.5	7.4	291.0	0.100	97.3	14.1	54.21	0.2
53.0	0.100	48.2	7.1	289.8	0.100	94.1	14.1	53.88	0.0
54.0	0.100	44.1	6.8	288.5	0.100	88.2	14.2	53.20	0.0
55.0	0.100	39.0	6.4	286.9	0.100	79.2	14.3	52.06	0.0
60.0	0.100	30.5	5.7	264.0	0.100	85.8	13.7	53.57	0.0
61.0	0.100	33.8	5.9	263.1	0.100	87.8	13.5	54.01	0.0
62.0	0.100	35.7	6.1	262.4	0.100	89.6	13.4	54.31	0.2
63.0	0.100	36.4	6.2	261.9	0.100	90.9	13.4	54.43	0.3
64.0	0.100	37.3	6.2	261.3	0.100	92.5	13.4	54.59	0.5
65.0	0.100	37.1	6.2	261.0	0.100	93.5	13.5	54.58	0.5
66.0	0.100	35.0	6.0	261.0	0.100	93.4	13.7	54.31	0.2
67.0	0.100	31.5	5.8	261.3	0.100	92.4	14.0	53.85	0.0
68.0	0.100	26.8	5.6	261.3	0.100	92.5	14.1	53.67	0.0
69.0	0.100	22.1	5.6	261.0	0.100	93.4	14.2	53.68	0.0
70.0	0.100	19.2	5.6	260.7	0.100	94.3	14.3	53.69	0.0
75.0	0.100	31.9	5.8	258.8	0.100	98.7	14.5	53.84	0.0
76.0	0.100	36.1	6.1	257.5	0.100	102.6	14.3	54.36	0.3
77.0	0.100	41.4	6.6	255.9	0.100	104.8	14.1	54.77	0.7
78.0	0.100	47.2	7.0	254.1	0.100	104.9	14.0	55.01	0.9
79.0	0.100	52.0	7.4	252.5	0.100	104.9	13.8	55.15	1.0
80.0	0.100	54.9	7.6	251.5	0.100	104.7	13.8	55.14	1.0
81.0	0.100	56.5	7.7	250.8	0.100	103.7	13.9	54.99	0.8
82.0	0.100	57.5	7.8	250.2	0.100	102.7	14.0	54.80	0.7
83.0	0.100	58.1	7.9	249.8	0.100	102.0	14.1	54.61	0.5
84.0	0.100	57.9	7.8	249.6	0.100	101.6	14.2	54.42	0.4
85.0	0.100	56.7	7.8	249.7	0.100	101.8	14.4	54.25	0.2
86.0	0.100	54.4	7.6	250.1	0.100	102.5	14.6	54.09	0.1
87.0	0.100	51.1	7.3	250.8	0.100	103.8	14.8	53.95	0.0
88.0	0.100	47.2	7.0	251.7	0.100	104.9	15.0	53.92	0.0
89.0	0.100	43.2	6.7	252.6	0.100	104.9	15.3	53.72	0.0
90.0	0.100	39.9	6.4	253.4	0.100	104.7	15.5	53.53	0.0

<i>call</i>	<i>serv</i>	<i>application no.</i>	<i>contour</i>	<i>chan</i>	<i>erp</i>	<i>haat</i>	<i>rcamsl</i>	<i>coverage area</i>
NEW	FM	900606MC	60.0 dBu (50,50)	201	0.100	67.0	402.0	233.4 sq km
NEW	FM	900606MC	54.0 dBu (50,10)	201	0.100	67.0	402.0	464.2 sq km
WRCT	FM	BLED840419DP	60.0 dBu (50,50)	202	0.100	18.0	323.0	117.7 sq km
WRCT	FM	BLED840419DP	54.0 dBu (50,10)	202	0.100	18.0	323.0	238.0 sq km



LAMBERT EQUAL AREA MAP



KILOMETERS

ENGINEER:  
JRWOLF

DATE:  
11/29/90

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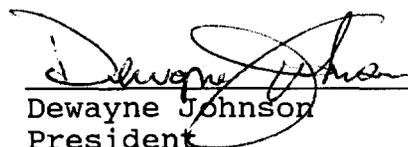
Federal Communications Commission  
Office of the Secretary

**Murrsville, Pennsylvania**  
**File No. BPED-900606MC**

**AMENDMENT**

Please amend the application of He's Alive, Inc. for a new non-commercial educational FM radio station at Murrsville, Pennsylvania to operate on Channel 201A to include the enclosed engineering.

Date: December 17, 1990



Dewayne Johnson  
President

**HE'S ALIVE INCORPORATED**

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**ENGINEERING STATEMENT**

**HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA**

**Channel 201A            0.05 kW            67.1 Meters**

**December 13, 1990**

**LECHMAN & JOHNSON, INC.**

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HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

Channel 201A                      0.05 kW                      67.1 Meters

Engineering Statement

Table I	FM Separation Study
Table II	Channel 6 TV Separation Study
Table III	Distance to Proposed Coverage Contours
Table IV	FM Allocation Study
Table V	Channel 6 TV Interference Study
Exhibit VB-1	Sketch of Antenna
Exhibit VB-2	Interference Statement
Exhibit VB-3A & 3B	Maps of Site
Exhibit VB-4A & 4B	Predicted Coverage Contours
Exhibit VB-5	Statement addressing compliance with the U.S./Canadian agreement
Exhibit VB-6	Map Showing FM Allocation Study
Exhibit VB-7A	TV Channel 6 Interference Study
Exhibit VB-7B	Map Showing TV Channel 6 Interference Contour
Exhibit VB-8	Table Showing Computation on Radiation Level

FCC Form 340, Section V-B

## ENGINEERING STATEMENT

HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

Channel 201A                      0.05 kW                      67.1 Meters

This Engineering Statement is submitted in support of an amendment to application by He's Alive, Inc., seeking authorization to construct a new non commercial FM Broadcast Station to serve Murrysville, Pennsylvania. The proposal for this facility requests operation on Channel 201A (88.1 MHz), with an effective radiated power (ERP) of 50 watts circular polarized and an effective antenna height above average terrain (HAAT) of 67.1 meters.

The applicant proposes to operate from a transmitter site located 2.4 km northwest of Murrysville Post Office. It is proposed to side-mount an FM antenna on WPTT(TV)'s existing 829 foot tower. Below are the geographic coordinates of WPTT(TV)'s tower site:

North Latitude: 40° 26' 23"  
West Longitude: 79° 43' 11"

These coordinates were taken from WPTT's records on file with the Commission and verified by using a 7.5 minute series topographic quadrangle map published by the U.S. Geological Survey. The ground elevation at the proposed site is 1220 feet (371.9 m) above mean sea level.

It is proposed to install a FM transmitter with the transmitter power output adjusted to 35.5 watts. The transmitter power output will then be fed through 33 meters of Andrew, Type LDF5-50A, 7/8 inch foam dielectric heliax transmission line. Attenuation for this type of line operating on 88.1 MHz is approximately 1.13 dB/100 meters. The rated efficiency for this length of line is calculated to be 91.7%.

A Shively Labs, Type 6812-3, 3 bay low power circularly polarized FM transmitting antenna will be used for the proposed operation. The manufacturer's rated power gain for the proposed antenna is 1.55 in both the horizontal and vertical planes.

Based upon the above noted transmitter power output, transmission line efficiency and antenna power gain, the proposed ERP is calculated to be 0.05 kW in both the horizontal and vertical planes.

Table I is a study of all co-channel and adjacent channel allocations, applications and licensed FM stations pertinent to operation on Channel 201 at the proposed site.

Table II lists all Channel 6 television stations pertinent to the proposed FM operation on Channel 201.

Table III includes the pertinent data used to predict the distances to the 70 dBu and 60 dBu coverage contours of the proposed operation. These distances were determined by using Figure 1, F(50,50) FM propagation curves of Section 73.333 of the Commission's Rules, at an effective radiated power of 0.05 kW, and the antenna elevation data shown in Table III. The average elevation between each 2-10 mile sector (taken from WPPT(TV) records) was used in determining the effective antenna height. All contour predictions were done in accordance with the provisions of Section 73.313 of the FCC's Rules and Regulations.

Table IV is a tabulation of all FM stations pertinent to an allocation study for Channel 201 located at the proposed site. The data and computations listed in this Table show that the proposed Channel 201 complies with Section 73.509 of the FCC Rules and Regulations, with the exception of WRCT's pending application for Construction Permit BPED-891108MA, Pittsburgh, Pennsylvania. WRCT's application BPED-891108MA is mutually exclusive with this instant application for a new non commercial FM Station. It has been determined that WRCT's application is a major change application. This instant proposal meets the requirements to the licensed facilities of WRCT.

Table V is a tabulation of all affected Channel 6 television stations pertinent to an allocation study for Channel 201 located at the proposed site.

Exhibit VB-1 is a sketch of the proposed antenna and supporting structure. All pertinent heights and elevation data are included.

Exhibit VB-2 is a statement which addresses the potential of intermodulation interference generated to radio and TV stations in the vicinity of the proposed site and the applicant's acceptance of the responsibility in this regard.

Exhibits VB-3A & VB-3B are maps showing the proposed site and surrounding area. Exhibit VB-3A is a full scale section of a 7.5 minute topographic quadrangle map (Murrysville, PA) showing the proposed transmitter site and a coordinate grid system. Exhibit VB-3B is a reduced version of the same 7.5 minute topographic quadrangle map that shows the proposed transmitter site and all official markings to verify the coordinate grid system of Exhibit VB-3A.

Engineering Statement  
He's Alive, Inc.  
Murrysville, Pennsylvania  
Page Three

Exhibits VB-4A & VB-4B are maps showing the proposed coverage contour. Exhibit VB-4A is a section of a 1/250,000 scale topographic map (Pittsburgh, PA) showing the proposed transmitter site and the 1.0 mV/m (60 dBu) coverage contour. Exhibit VB-4B is a reduced version of the full 1/250,000 scale map showing the above noted information and containing all official markings and identifications to verify Exhibit VB-4A.

Exhibit VB-5 is a statement addressing compliance with the Canadian/U.S. FM agreement of 1947 provisions of the agreement of 1947 for allocation of FM broadcast stations on Channels 201-300 within 199 miles (320 km) of its border.

Exhibit VB-6 is a map showing an allocation study using the data listed in Tables I, III & IV of this report. As shown, Channel 201 complies with Section 73.509 of the Rules and Regulations.

Exhibit VB-7A is a statement addressing the procedures used to compute the interference area and showing compliance with Section 73.525 of the FCC Rules.

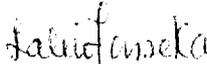
Exhibit VB-7B is a map showing the affected Channel 6 TV stations using the data from Tables II, III & V of this report.

Exhibit VB-8 is a Table showing computation in compliance with the formulas outlined in OST Bulletin No. 65.

Part 73 of the FCC's Rules and Regulations was amended, effective January 1, 1986 to implement the National Environmental Policy Act of 1969 (NEPA). The rule amendment identifies human exposure to RF radiation as an issue for explicit consideration when evaluating potential environmental effects of certain facilities regulated by the FCC. The proposed facility has been evaluated based on OST Bulletin No. 65 (October 1985), "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation" and complies with these standards. Exhibit VB-8 shows the computation associated with this study.

FCC Form 340 Section V-B is also being submitted with this report.

LECHMAN & JOHNSON, INC.

  
\_\_\_\_\_  
Lalin Fonseka  
Telecommunications Consultant  
December 13, 1990

LECHMAN & JOHNSON, INC.

TABLE I  
FM SEPARATION STUDY

HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

<u>Designation</u>	<u>Channel</u>	<u>Nearest Allocation or Authorized Station</u>	<u>Separation (km)</u>	
			<u>Actual</u>	<u>Required</u>
Co-channel	201A	WVBC, Bethany, WV	75.49	<u>2</u> /
1st Adjacent	202A	WRCT, Pittsburgh, PA	19	<u>2</u> /
1st Adjacent	202A	Apc., BPED-891108MA	19	<u>3</u> /
2nd Adjacent	203	<u>1</u> /		
3rd Adjacent	204	<u>1</u> /		
I.F.	253	<u>1</u> /		
	254	<u>1</u> /		

1/ No stations close enough for consideration.

2/ Proposed facility complies with Section 73.509 of the FCC Rules.

3/ The subject proposal is mutually exclusive with the WRCT application.

TABLE II

TV SEPARATION STUDY

HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

Channel 201A            0.05 kW            67.1 Meters

<u>Affected Channel 6 Television Station</u>	<u>Separation (km)</u>	
	<u>Actual</u>	<u>Required</u>
WJAC, Johnstown, PA	63.02	265 / <u>1</u>

1 Stations to be considered in accordance with Section 73.525(a)(1) of the Rules and Regulations.

TABLE III  
DISTANCE TO PROPOSED COVERAGE CONTOURS

HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

Channel 201A		0.05 kW	67.1 Meters		
Azimuth °True	Average Elevation 2-10 miles (meters A.M.S.L.)/1	Effective Antenna Height Above Average Terrain (Meters)	Effective Radiated Power (kW)	Distance to Proposed Contour (km)	
				70 dBu	60 dBu
0	334.7	67.2	0.05	4.0	7.0
45	371.6	30.3	0.05	2.7	4.7
90	351.7	50.2	0.05	3.5	6.1
135	349.0	52.9	0.05	3.6	6.3
180	322.5	79.4	0.05	4.3	7.7
225	308.2	93.7	0.05	4.7	8.4
270	327.7	74.2	0.05	4.2	7.4
315	313.0	88.9	0.05	4.6	8.2

Ground elevation at site A.M.S.L.	371.9 meters
Average elevation of terrain (3-16 km) A.M.S.L.	334.8 meters
Effective antenna height above average terrain	67.1 meters
Effective antenna height above ground level	30.0 meters
Effective antenna height A.M.S.L.	401.9 meters
Overall tower height above ground level	252.7 meters
Overall tower height A.M.S.L.	624.6 meters

Coordinates

North Latitude: 40° 26' 23"  
West Longitude: 79° 43' 11"

/1 Data taken from Television Station WPTT (formerly WPF0) records on file with the FCC. Data converted to meter from feet.

TABLE IV

FM ALLOCATION STUDY

HE'S ALIVE, INC.  
 AMENDMENT TO APPLICATION FOR A NEW  
 NON COMMERCIAL FM STATION  
 MURRYSVILLE, PENNSYLVANIA

Channel 201A            0.05 kW            67.1 Meters

Proposed Channel 201A  
 Murrysville, Pennsylvania  
 0.05 kW ERP/67.1 Meters EAH  
 40° 26' 23" N/79° 43' 11"

<u>Bearing</u> <u>°True</u>	<u>EAH</u> <u>Meters</u>	<u>ERP</u> <u>(kW)</u>	<u>Predicted Contours (km)</u>		
			<u>60 dBu</u> <u>2 /</u>	<u>54 dBu</u> <u>3 /</u>	<u>40 dBu</u> <u>3 /</u>
0	67.2	0.05	7.0	10.1	23.6
45	30.3	0.05	4.7	6.7	15.1
90	50.2	0.05	6.1	8.7	20.4
135	52.9	0.05	6.3	9.0	21.0
180	79.4	0.05	7.7	10.9	25.6
225	93.7	0.05	8.4	11.8	28.0
270	74.2	0.05	7.4	10.6	24.8
315	88.9	0.05	8.2	11.5	27.2

Channel 201A, WVBC  
 Bethany, West Virginia  
 1.10 kW/125 m  
 40° 12' 58 N/80° 33' 31 W

<u>Bearing</u> <u>°True</u>	<u>EAH</u> <u>Meters</u>	<u>ERP</u> <u>(kW)</u>	<u>Predicted Contours (km)</u>	
			<u>60 dBu</u> <u>2 /</u>	<u>40 dBu</u> <u>3 /</u>
All	125	1.10	21.3	65.9

**TABLE IV  
(Continued)**

Channel 202A, WRCT  
Pittsburgh, Pennsylvania  
0.10 kW ERP/18 m EAH  
40° 26' 39" N/79° 56' 37" W

<u>Bearing</u> <u>°True</u>	<u>EAH</u> <u>Meters</u> <u>1/</u>	<u>ERP</u> <u>(kW)</u>	<u>Predicted Contours (km)</u>	
			<u>60 dBu</u> <u>1/</u>	<u>54 dBu</u> <u>3/</u>
0	18.6	0.10	5.8	8.0
45	58.3	0.10	7.9	11.2
90	-3.5	0.10	5.8	8.0
135	48.7	0.10	7.2	10.3
180	11.2	0.10	5.8	8.0
225	-16.8	0.10	5.8	8.0
270	41.2	0.10	6.4	9.4
315	-11.0	0.10	5.8	8.0

Channel 202A  
New Application, BPED-891108MA  
Pittsburgh, Pennsylvania  
1.50 kW ERP/16 m EAH  
40° 26' 39" N/79° 56' 37" W

<u>Bearing</u> <u>°True</u>	<u>EAH</u> <u>Meters</u> <u>1/</u>	<u>ERP</u> <u>(kW)</u>	<u>Predicted Contours (km)</u>	
			<u>60 dBu</u> <u>1/</u>	<u>54 dBu</u> <u>3/</u>
0	24.4	1.5	11.2	15.9
45	21.9	1.5	11.2	15.9
90	-17.1	1.5	11.2	15.9
135	50.9	1.5	14.5	21.6
180	16.5	1.5	11.2	15.9
225	7.3	1.5	11.2	15.9
270	15.5	1.5	11.2	15.9
315	9.4	1.5	11.2	15.9

1/ Data taken from station records on file with the FCC.

2/ F(50,50) FM propagation curves used.

3/ F(50,10) FM propagation curves used.

TABLE V

CHANNEL 6 TV INTERFERENCE STUDY

HE'S ALIVE, INC.  
 AMENDMENT TO APPLICATION FOR A NEW  
 NON COMMERCIAL FM STATION  
 MURRYSVILLE, PENNSYLVANIA

Channel 201A            0.05 kW            67.1 Meters

Channel 6, WJAC  
 Johnstown, PA  
 70.8 kW/341 m EAH  
 40° 22' 17"/78° 58' 58"

<u>Bearing</u> <u>°True</u>	<u>EAH 1 /</u> <u>feet (Meters)</u>	<u>ERP</u> <u>(dBk)</u>	<u>47 dBu 1 /</u> <u>Miles (km)</u>	<u>68 dBu 1 /</u> <u>Miles (km)</u>
225	552 (168.3)	18.5	54 (86.9)	25.5 (41.0)
270	1576 (480.4)	18.5	70.9 (114.1)	38.6 (62.1)
315	1361 (414.8)	18.5	67.5 (108.6)	36.5 (58.7)

Channel 11, WPXI  
 Pittsburgh, Pennsylvania  
 316 kW/302 m EAH  
 40° 27' 28"/80° 00' 18"

<u>Bearing</u> <u>°True</u>	<u>EAH 1 /</u> <u>feet (Meters)</u>	<u>ERP</u> <u>(dBk)</u>	<u>77 dBu 2 /</u> <u>Miles (km)</u>
0	908 (276.8)	25.0	27.6 (44.4)
45	986 (300.5)	25.0	28.6 (46.0)
90	976 (297.5)	25.0	28.4 (45.7)
135	1059 (322.8)	25.0	29.4 (47.3)
180	937 (285.6)	25.0	28.0 (45.1)
225	1070 (326.1)	25.0	29.5 (47.5)
270	1079 (328.9)	25.0	29.7 (47.8)
315	988 (301.2)	25.0	28.6 (46.0)

**Table V  
(Continued)**

Proposed Channel 201A  
Murrysville, Pennsylvania  
0.05 kW ERP/67.1 m EAH  
40° 26' 23"/79° 43' 11"

<u>Bearing °True</u>	<u>EAH (Meters)</u>	<u>ERP (dBk)</u>	<u>69.5 dBu km 3 /</u>	<u>63.5 dBu km 3 /</u>	<u>67.75 dBu km 3 /</u>	<u>61.75 dBu km 3 /</u>
0	67.2	-13.01	-	-	4.6	-
45	30.3	-13.01	2.8	-	-	-
90	50.2	-13.01	3.6	-	-	-
135	52.9	-13.01	3.7	-	-	-
180	79.4	-13.01	4.5	-	-	-
225	93.7	-13.01	-	-	-	7.6
270	74.2	-13.01	-	-	-	6.7
315	88.9	-13.01	-	-	-	7.4

Proposed Channel 201A  
Murrysville, Pennsylvania  
0.05 kW ERP/67.1 m EAH  
40° 26' 28"/79° 43' 11"

<u>Bearing °True</u>	<u>Desired Signal Strength from Channel 6 WJAC (dBu)</u>	<u>U/D Ratio <u>4</u>/ (dB)</u>	<u>Undesired Signal Strength from Proposed FM (50,10) (dBu)</u>	<u>Directivity Adjustment (dB)</u>
0	66	-4.25	61.75	6
45	67	-4.5	63.5	6
90	67	-4.5	63.5	6
135	67	-4.5	63.5	6
180	67	-4.5	61.5	6
225	66	-4.25	61.75	0
270	66	-4.25	61.75	0
315	66	-4.25	61.75	0

<u>Bearing °True</u>	<u>FM F(50,10) Interference Signal Strength (dBu)</u>
0	67.75
45	69.5
90	69.5
135	69.5
180	69.5
225	61.75
270	61.75
315	61.75

**TABLE V  
(Continued)**

- 1/ Data taken from Station records on file with the FCC.
- 2/ FCC Section 73.699, Figure 9.
- 3/ FCC Section 73.333, Figure 1a.
- 4/ FCC Section 73.599, Figure 1.

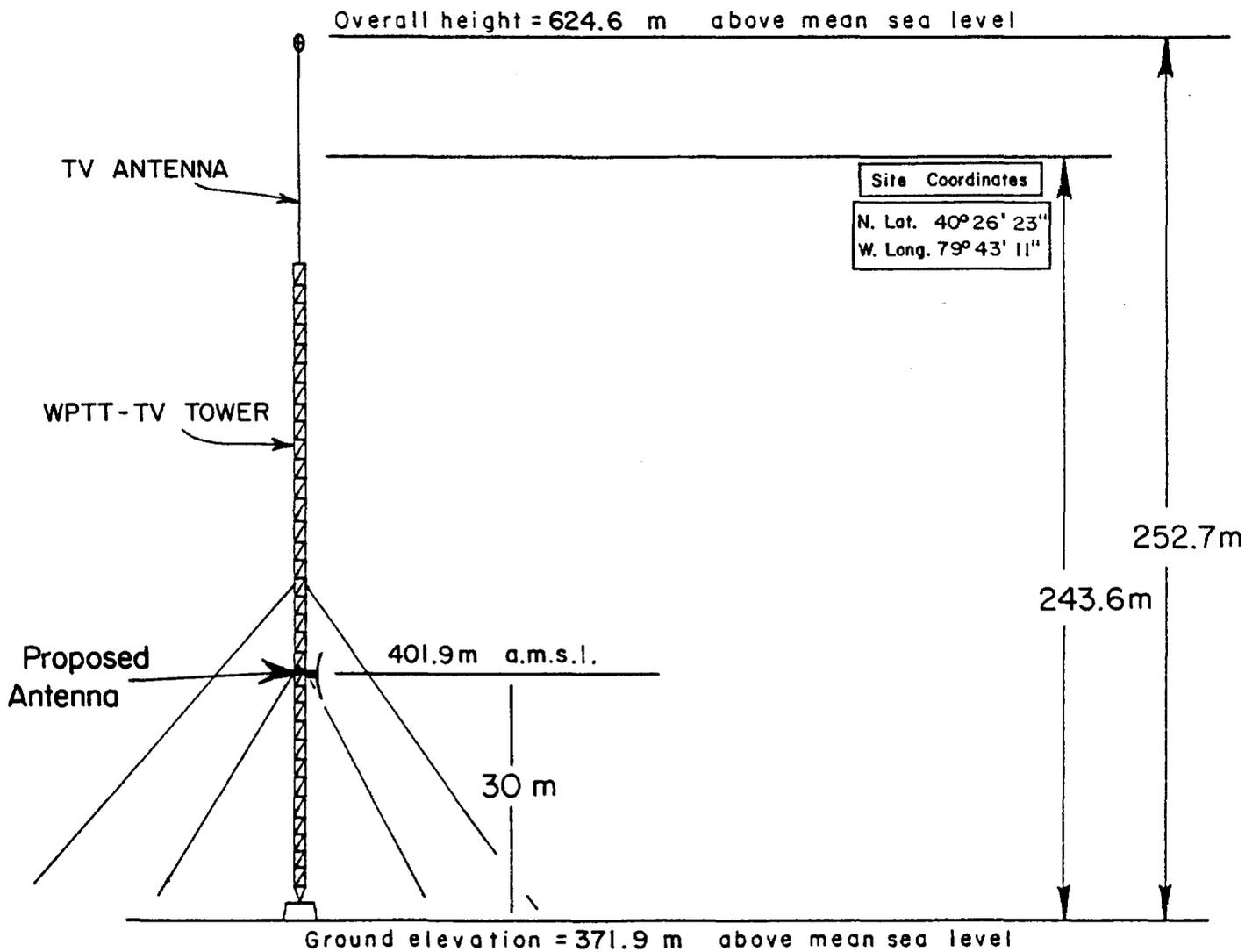


EXHIBIT VB-1

HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

Channel 201A      0.05 kW      67.1 Meters

Prepared By  
LECHMAN & JOHNSON, Inc.  
TELECOMMUNICATIONS CONSULTANTS  
LANNAM, MARYLAND

**EXHIBIT VB-2**

**INTERFERENCE STATEMENT**

**HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA**

**Channel 201A            0.05 kW            67.1 Meters**

This FM proposal will be co-located with WPTT-TV, Pittsburgh, Pennsylvania. The proposed operation is not expected to have any adverse effect upon the above operation or any other communication facilities located in the general vicinity. The applicant will address all complaints of alleged interference within its blanketing contour as established by Section 73.318 of the Rules and resolve such complaints satisfactory to the complainant provided the device that is malfunctioning is not excluded from the evaluation. The applicant's telecommunications consultant is not aware of any cable headend facilities within the blanketing contour. The proposed operation is not expected to cause receiver-induced intermodulation interference within 10 km of the proposed site.

Should interference occur due to the direct results of the construction of this FM facility, the applicant will take the necessary steps to correct the interference and resolve the issue of interference.

DECEMBER 1990

PROPOSED SITE

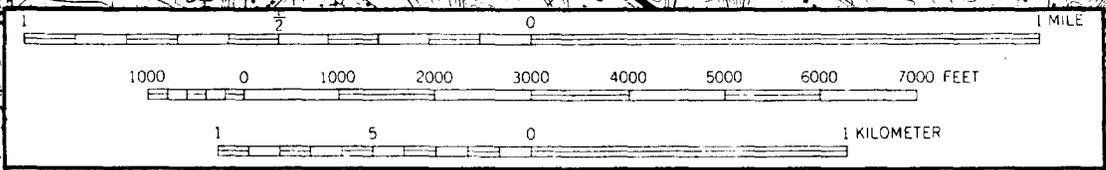
EXHIBIT VB-3A

HE'S ALIVE, INC.  
 AMENDMENT TO APPLICATION FOR A NEW  
 NON COMMERCIAL FM STATION  
 MURRYSVILLE, PENNSYLVANIA

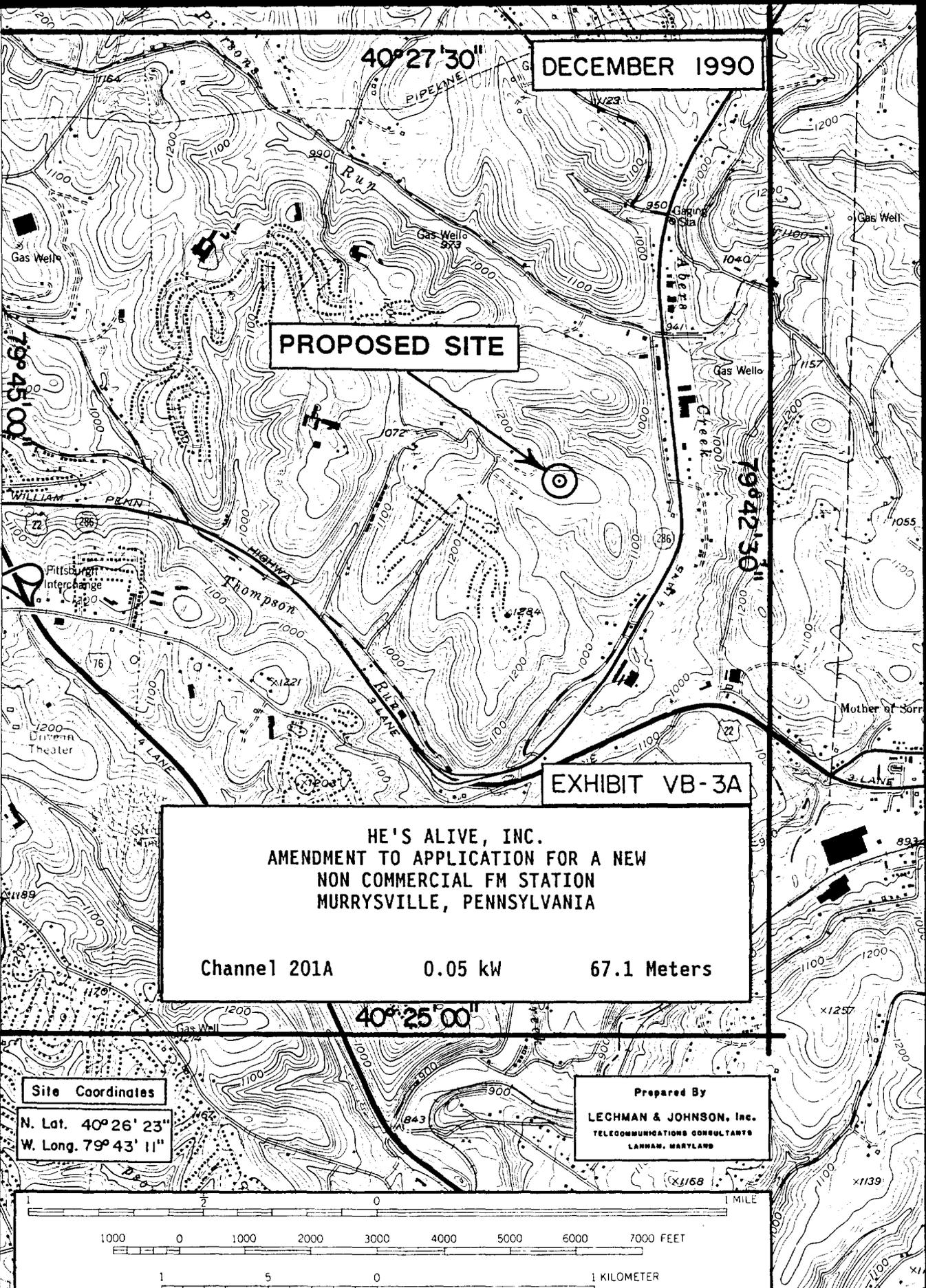
Channel 201A      0.05 kW      67.1 Meters

Site Coordinates  
 N. Lat. 40°26'23"  
 W. Long. 79°43'11"

Prepared By  
 LECHMAN & JOHNSON, Inc.  
 TELECOMMUNICATIONS CONSULTANTS  
 LANHAM, MARYLAND



27°30'  
 4479  
 BUTLER VALLEY INTERCHANGE 17 MI.  
 ALLEGHENY VALLEY INTERCHANGE 9 MI.  
 79°45'00"  
 PITTSBURGH (CIVIC CENTER) 13 MI.  
 5064 IV NE  
 (BRADDOCK)  
 4475  
 25'  
 4474



Site Coordinates

N. Lat. 40° 26' 23"  
W. Long. 79° 43' 11"

DECEMBER 1990

PROPOSED SITE

EXHIBIT VB-3B

HE'S ALIVE, INC.  
AMENDMENT TO APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
MURRYSVILLE, PENNSYLVANIA

Channel 201A

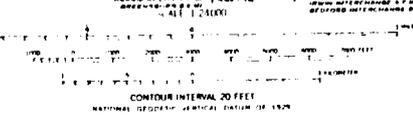
0.05 kW

67.1 Meters

Prepared By  
**LECHMAN & JOHNSON, Inc.**  
TELECOMMUNICATIONS CONSULTANTS  
LAWAN, MARYLAND

Maplet edited and published by the Geological Survey

Control by USGS and USF&WS  
Topography by photogrammetric methods from aerial photographs taken 1972. Field checked 1983.  
Reference projection: 10,000 foot grid ticks based on Pennsylvania coordinate system, south zone. 100 ft. meter fractional traverse. Meridian grid ticks, zone 17 shown in blue. 1927 North American Datum. 100 ft. grid on the meridian north arrow at datum 1983. Shows the area from 1000 ft. meters south and 10 meters west as shown by dashed corner ticks.



ROAD CLASSIFICATION

Heavy duty	Light duty
Medium duty	Unimproved dirt
U.S. Route	State Route

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MURRYSVILLE, PA  
NAD 83, N 79175 15  
E 79175 15  
1983  
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