

2018 APR 17 PM 1:30

BLUE JEY BROADCASTING COMPANY

P O Box 308 – Bath, Maine 04530

Robert M. Bittner CEO 207-442-0647 Cell 617-281-7400 - jibguy@aol.com

April 9, 2018

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington DC 20554

Received & Inspected
APR 16 2018
FCC Mailroom

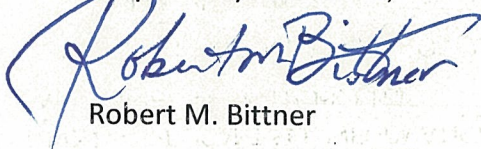
Re: Application for Direct Measurement of Power, Radio Station WJTO (AM) Bath, Maine
Facility ID 33287, Blue Jey Broadcasting Co.

Dear Ms. Dortch:

I am herewith submitting an original and two (2) copies of an application of Form 302-AM requesting Direct Measurement of Power for the station pursuant to Special Operating Condition #2 of Construction Permit BNPFT-20171207ACF for FM Translator W287DD, Facility ID 201072, Bath, Maine.

There is no filing fee required for this application. Should you have any questions, please contact me using the information at the top of the page.

Respectfully submitted,


Robert M. Bittner

ORIGINAL

FOR
FCC
USE
ONLY

FCC 302-AM
APPLICATION FOR AM
BROADCAST STATION LICENSE

(Please read instructions before filling out form.)

FOR COMMISSION USE ONLY
FILE NO. **BZ-20180416 AAX**

SECTION I - APPLICANT FEE INFORMATION											
1. PAYOR NAME (Last, First, Middle Initial) BLUE JEY BROADCASTING COMPANY		Received & Inspected APR 16 2018									
MAILING ADDRESS (Line 1) (Maximum 35 characters) P O BOX 308		FCC Mailroom									
MAILING ADDRESS (Line 2) (Maximum 35 characters)											
CITY BATH	STATE OR COUNTRY (if foreign address) ME	ZIP CODE 04530									
TELEPHONE NUMBER (include area code) 207-442-0647	CALL LETTERS WJTO	OTHER FCC IDENTIFIER (If applicable)									
2. A. Is a fee submitted with this application?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
B. If No, indicate reason for fee exemption (see 47 C.F.R. Section											
<input type="checkbox"/> Governmental Entity <input type="checkbox"/> Noncommercial educational licensee <input checked="" type="checkbox"/> Other (Please explain):											
C. If Yes, provide the following information:											
Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter fee amount due in Column (C).											
(A)	(B)	(C)									
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY								
<table border="1" style="width:100%; height: 20px;"> <tr><td style="width: 25px;"> </td><td style="width: 25px;"> </td><td style="width: 25px;"> </td></tr> </table>				<table border="1" style="width:100%; height: 20px;"> <tr><td style="width: 25px;">0</td><td style="width: 25px;">0</td><td style="width: 25px;">0</td><td style="width: 25px;">1</td></tr> </table>	0	0	0	1	\$0.00	<table border="1" style="width:100%; height: 20px;"> <tr><td> </td></tr> </table>	
0	0	0	1								
To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.											
(A)	(B)	(C)									
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY								
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0	0	0	1								
ADD ALL AMOUNTS SHOWN IN COLUMN C, AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.		TOTAL AMOUNT REMITTED WITH THIS APPLICATION	FOR FCC USE ONLY								
		\$0.00	<table border="1" style="width:100%; height: 20px;"> <tr><td> </td></tr> </table>								

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SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT BLUE JEY BROADCASTING COMPANY		
MAILING ADDRESS P O BOX 308		
CITY BATH	STATE ME	ZIP CODE 04530

2. This application is for:

- Commercial Noncommercial
 AM Directional AM Non-Directional

Call letters WJTO	Community of License BATH. ME	Construction Permit File No. n/a	Modification of Construction Permit File No(s). n/a	Expiration Date of Last Construction Permit n/a
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3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

Yes No

If No, explain in an Exhibit.

Exhibit No.

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

Yes No

If No, state exceptions in an Exhibit.

Exhibit No.

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

Yes No

If Yes, explain in an Exhibit.

Exhibit No.

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

Yes No

Does not apply

If No, explain in an Exhibit.

Exhibit No.

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

Yes No

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

Exhibit No.

8. Does the applicant, or any party to the application, have a petition on file 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 (pursuant to the 5 year holding period allowed) with the AM facility proposed to be modified herein?

Yes No

If Yes, provide particulars as an Exhibit.

Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because use of the same, whether by license or otherwise, and requests and authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended).

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

CERTIFICATION

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

Yes No

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

Name Robert M. Bittner	Signature 	
Title President	Date 04/09/2018	Telephone Number 207-442-0647

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION

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

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

Public reporting burden for this collection of information is estimated to average 639 hours and 53 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0627), Washington, D. C. 20554. Do NOT send completed forms to this address.

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.

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant
Blue Jey Broadcasting Company

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

- Station License Direct Measurement of Power

1. Facilities authorized in construction permit					
Call Sign WJTO	File No. of Construction Permit (if applicable) n/a	Frequency (kHz) 730	Hours of Operation unlimited	Power in kilowatts	
				Night .006	Day 1.
2. Station location					
State Maine			City or Town Bath		
3. Transmitter location					
State Maine	County Sagadahoc		City or Town West Bath	Street address (or other identification) 87 Austin Road	
4. Main studio location					
State Maine	County Sagadahoc		City or Town West Bath	Street address (or other identification) 87 Austin Road	
5. Remote control point location (specify only if authorized directional antenna)					
State	County		City or Town	Street address (or other identification)	

6. Has type-approved stereo generating equipment been installed? Yes No
7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68? Yes No
 Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No. _____
Eng. _____

8. Operating constants:						
RF common point or antenna current (in amperes) without modulation for night system 0.57			RF common point or antenna current (in amperes) without modulation for day system 7.4			
Measured antenna or common point resistance (in ohms) at operating frequency Night 18.25 Day 18.25			Measured antenna or common point reactance (in ohms) at operating frequency Night -j171.25 Day -j171.25			
Antenna indications for directional operation						
Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day
Manufacturer and type of antenna monitor:						

SECTION III - Page 2

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator guyed tower	Overall height in meters of radiator above base insulator, or above base, if grounded. 67.1	Overall height in meters above ground (without obstruction lighting) 68.0	Overall height in meters above ground (include obstruction lighting) 68.1	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. Exhibit No.
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Excitation Series Shunt

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude 43 ° 52 ' 41.08 "	West Longitude 69 ° 50 ' 47.36 "
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If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.
Eng

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.
Eng

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

n/a

11. Give reasons for the change in antenna or common point resistance.

affixing FM antennae

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

Name (Please Print or Type) Robert D. Perry	Signature (check appropriate box below) 
Address (include ZIP Code) P O Box 198 Auburn, ME 04212	Date 04/09/2018
	Telephone No. (Include Area Code) 207-783-1801

Technical Director

Registered Professional Engineer

Chief Operator

Technical Consultant

Other (specify)

ENGINEERING STATEMENT CONCERNING APPLICATION FOR DIRECT MEASUREMENT OF POWER for WJTO 730kHz BATH, MAINE

APRIL 9, 2018

Tower impedance measurements were performed for Radio Station WJTO, 730 kHz, and an application for Direct Measurement of Power has been done to support changes made to the station's transmitter site.

The WJTO Transmitter Site is that as previously licensed. New FM antennae and transmission line have been installed on the tower. The tower still remains series-fed with the FM line attached to the Phasetek iso-coupler, made special-to-order for this project. The tower supports FM translator W287DD (105.3 MHz) and its feed is coaxial cable. The tower has painting and lighting and is isolated at the base with a choke. The tower registration number is 1020823. Figure 1 shows the tower modifications.

The tower resistance and reactance measurements were made with a Delta Electronics OIB-3 Operating Impedance Bridge. First, the base impedance was measured to be $18.25 -j171.25$, corrected for the 730 kHz frequency. The daytime amperage was 7.4 amps on the high position. We then set the base current meter to low power readings and using the Indirect Power method, $I \times I \times R = P$. We took 6 watts and divided it by 18.25 (R) to give us a resultant $\tan\theta$ of 0.33. We then calculated the square root of 0.33 to give us the night current reading of 0.57 amps. Therefore $0.57 \times 0.57 \times 18.25 = 6.0$, the licensed night wattage.

All measurements were taken by Robert D. Perry and observed on-site by Robert M. Bittner.


The Tower Measurements:

Tower Network Output Impedance: $18.25, -j 171.25$ ohms.

Tower Current: 7.4 day, and 0.57 night.

Licensed Input power: 1 kw day, .006 kw night.

The ground system remains as previously licensed. Copper straps connect the tower base and all equipment. The remote control system, as in the past, is programmed for switching to the assigned local sunrise and sunset, daily.



Robert D. Perry, RDP Technical Services – P O Box 198, Auburn, ME 04212 – 207-783-1801