

FCC Form 302-FM
Radio Station KHSB-FM,
Channel 284A, Kingsland, Texas,
FCC Facility ID No. 181260
Application for a License to Cover
Construction Permit BPH-20190322AB
June 2022
Exhibit 1

**STATEMENT RE COMPLIANCE WITH ALL TERMS, CONDITIONS, AND
OBLIGATIONS SET FORTH IN THE UNDERLYING CONSTRUCTION PERMIT**

This is Exhibit 1 to the Application of Munbilla Broadcasting Properties, Ltd. (*MBPL*), for a License to cover Construction Permit BPH-20190322AB (the *CP*). The CP authorizes a minor change to the licensed facilities of Radio Station KHSB-FM, Channel 284A, Kingsland, Texas, FCC Facility ID No. 181260 (the *Station*).

The CP contains seven Special Operating Conditions or Restrictions. Several of them require the submission of certain materials to the Commission before the Commission will authorize the operation of the newly constructed facility pursuant to Program Test Authority. This Exhibit, together with the accompanying Exhibits 2 through 8 and their Annexes, will discuss the constructed facility's compliance with the various terms of the CP, and with its Special Operating Conditions or Restrictions, and will supply the required documentation. Accordingly, in the *Channel and Facility Information* Section of this Application, MBPL requests the staff to grant authority to MBPL to conduct Program Tests at full authorized power.

For the staff's convenient reference, MBPL supplies a copy of the CP as Annex A to this Exhibit 1.

On February 22, 2022, to satisfy the requirements of § 73.1740(a)(4) of the Rules, MBPL informed the Commission that the Station had suspended regular operations on February 14, 2022. That suspension was necessary to allow for the removal, from the Station's licensed facility, of certain equipment needed for broadcast operations, as well as the transportation of that equipment to the CP site, and the installation of that equipment at the CP site.

In its February 22 filing, MBPL stated, among other things:

“MBPL intends to submit an application for a License to cover Construction Permit BPH-20190322ABH in the near future. In such application, MBPL will request authority to conduct Program Tests of the BPH-20190322ABH facility at full authorized power, pursuant to §73.1620(a)(2) of the Rules. It is MBPL's present intention not to commence Program Tests at half of the authorized power level, as § 73.1620 (a)(2) would allow.”

On March 10, 2022, pursuant to §§ 73.1615(c)(1) and 73.1740(a)(4) of the Rules, MBPL requested an extension of its self-invoked Dark Authority. On May 22, 2022, the staff granted the requested extension.

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MBPL has reconsidered the matter of interim operation of the newly constructed KHSB-FM facility. Specifically, MBPL intends to avail itself of the opportunity, provided by §73.1620(a) (2) of the Rules, to commence Program Tests at one-half of the power level that the CP authorizes, upon the filing of this Application. MBPL also intends to file with the Commission a Notification concerning the onset of broadcast operations at the one-half power level upon commencing the same.

The CP incorporates by reference the provisions of Antenna Structure Registration No. 1312267 (the *ASR*). The ASR covers the tower that supports the Station's new main antenna (the *Tower*). The ASR requires that the Tower be marked and lit in accordance with Chapters 3, 4, 5, and 12 of FAA Advisory Circular No. 70/7460-1L. Exhibit 2 to this Application discusses the Tower's marking and lighting. Annexes A and B thereto support Exhibit 2.¹

Exhibit 3 to this Application supplies the basic technical parameters of the constructed facility. A comparison of Exhibit 3 and of Annex A to Exhibit 1 demonstrates that the parameters of the constructed facility conform to those that the CP specifies.

Exhibit 4 to this Application shows how the constructed facility achieves the value of Effective Radiated Power that the CP authorizes.

Exhibit 5 to this Application comprises a Proof of Performance for the Directional Antenna that the CP authorizes. MBPL tenders Exhibit 5 to satisfy the requirements of Special Operating Condition or Restriction No. 1, which reads as follows:

1. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. [...]

¹ Annex A to Exhibit 2 is Figure A-6 of Appendix A to FAA Advisory Circular 70/7460-1L. Annex B to Exhibit 2 is the First Declaration of Mark D. Pippin, MBPL's Field Engineer and Operations Manager. Mr. Pippin oversaw the construction of the Tower and the installation of the antenna system that the CP authorizes.

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Exhibit 6 to this Application is a certification by a licensed surveyor concerning the installation and orientation of the Directional Antenna that the CP authorizes. MBPL tenders Exhibit 6 to satisfy the requirements of Special Operating Condition or Restriction No. 2, which reads as follows:

2. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.

Exhibit 7 to this Application comprises the Second Declaration of Mark Pippin.² MBPL tenders Exhibit 7 to satisfy the requirements of Special Operating Condition or Restriction No. 3, which reads as follows:

3. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.

Exhibit 8 to this Application comprises a showing that the constructed KHSB-FM facility will provide the required degree of reception service to Station KHSB-FM's principal community to be served, Kingsland, Texas. MBPL tenders Exhibit 8 to satisfy the requirements of Special Operating Condition or Restriction No. 4, which reads as follows:

4. BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 C.F.R. [§] 73.315[.] (See 47 C.F.R. [§] 73.316(c)(2)(ix)(B)).

Collectively, Exhibits 3 through 5 to this Application demonstrate that the constructed facility does not radiate: (a) more than 1.05 kiloWatts in the antenna's major lobe; and (b) more than 0.042 kiloWatt over the arc of azimuths that spans 120° True through 140° True, either in the

² Mr. Pippin has executed his Declaration under penalty of perjury. Therefore, pursuant to § 1.16 of the Commission's Rules, his Declaration is the functional equivalent of an Affidavit.

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horizontal plane, or in the vertical plane. Therefore, the constructed facility complies with the requirements of Special Operating Condition or Restriction No. 5, which reads as follows:

5. The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this Construction Permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following Effective Radiated Power: 1.05 kiloWatts.

Principal minima and their associated field strength limits:
120 - 140 degrees True: 0.042 kiloWatt

MBPL acknowledges that it had requested processing, pursuant to § 73.215 of the Commission's Rules, of the Application underlying the CP. MBPL has no objection to the imposition, upon the License to issue upon the grant of this Application, of a condition similar to Special Operating Condition or Restriction No. 6, which reads as follows:

6. This is a Section 73.215 contour protection grant as requested by this applicant.

There are presently no other users of the CP site or of the Tower. That said, MBPL's sister entity, the registrant of the Tower, does intend to offer space on the Tower to third parties. MBPL's sister entity further intends to include, in any agreement with any third party concerning the use of the CP site or of the Tower, a clause which requires such third party to reduce power, or to temporarily suspend operations, as necessary to protect persons having access to the site or the Tower from radiofrequency electromagnetic fields in excess of FCC guidelines.

MBPL hereby certifies that it will reduce power, or temporarily suspend operations, as necessary to protect persons having access to the site, Tower, or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

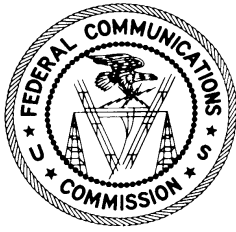
MBPL makes the above Certification to satisfy the requirements of Special Operating Condition or Restriction No. 7, which reads as follows:

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

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ANNEX A

CONSTRUCTION PERMIT BPH-20190322ABH



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

MUNBILLA BROADCASTING PROPERTIES, LTD.
5526 HIGHWAY 281 NORTH
MARBLE FALLS TX 78654

Rodolfo F. Bonacci
Assistant Chief
Audio Division
Media Bureau

Facility ID: 181260

Call Sign: KHSB-FM

Permit File Number: BPH-20190322ABH

Grant Date: October 08, 2019

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: MUNBILLA BROADCASTING PROPERTIES, LTD.

Station Location: TX-KINGSLAND

Frequency (MHz): 104.7

Channel: 284

Class: A

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 30 deg 38 min 19 sec
West Longitude: 98 deg 15 min 44 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	1.05	1.05
Height of radiation center above ground (Meters):	222	222
Height of radiation center above mean sea level (Meters):	563	563
Height of radiation center above average terrain (Meters):	242	242
Antenna structure registration number:	1312267	

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.
- 2 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.
- 3 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.

Special operating conditions or restrictions:

- 4 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 C.F.R. Sections 73.315 or 73.515 (See 47 C.F.R. Section 73.316(c)(2)(ix)(B)).
- 5 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

1.05 kilowatts.

Principal minima and their associated field strength limits:

120 - 140 degrees True: 0.042 kilowatts

- 6 ***** This is a Section 73.215 contour protection grant *****
***** as requested by this applicant *****

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

*** END OF AUTHORIZATION ***