



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

Authorizing Official:

Official Mailing Address:

BETHEL BROADCASTING, INC.
POUCH 468- 640 RADIO ST.
BETHEL AK 99559

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: February 06, 2023

Facility Id: 4963

Call Sign: KYUK

Permit File Number: BP-20221122AAF

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

Proposed to construct a new replacement tower 50 feet from the existing tower.

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	10:30 AM	5:15 PM	Jul.	5:00 AM	11:00 PM
Feb.	9:30 AM	6:45 PM	Aug.	6:00 AM	9:45 PM
Mar.	8:15 AM	7:45 PM	Sep.	7:15 AM	8:15 PM
Apr.	6:30 AM	9:00 PM	Oct.	8:30 AM	6:45 PM
May	5:15 AM	10:15 PM	Nov.	9:45 AM	5:15 PM
Jun.	4:30 AM	11:15 PM	Dec.	10:45 AM	4:45 PM

Callsign: KYUK

Permit No.: BP-20221122AAF

Name of Permittee: BETHEL BROADCASTING, INC.

Station Location: BETHEL, AK

Frequency (kHz): 640

Station Class: A

Antenna Coordinates:

Day

Latitude: N 60 Deg 46 Min 59 Sec

Longitude: W 161 Deg 53 Min 00 Sec

Night

Latitude: N 60 Deg 46 Min 59 Sec

Longitude: W 161 Deg 53 Min 00 Sec

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

Nominal Power (kW): Day: 10.0 Night: 10.0

Antenna Mode: Day: ND Night: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1323423	

Night:

Tower No.	ASRN	Overall Height (m)
1	1323423	

Non-Directional Antenna: Day

Radiator Height: 71 meters;

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73

Tower No.	A	B
1	54.6	21.10

Theoretical Efficiency: 283.79 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 73.1 meters;

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73

Tower No.	A	B
1	54.6	21.10

Theoretical Efficiency: 283.79 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 2 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 3 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 4 Ground system consists of 120 copper radials around the base of the tower. The average length of the radials will be 96.9 meters (74.5 electrical degrees).
- 5 Before program tests are authorized, permittee shall dismantle the unused antenna tower, or in lieu thereof, submit a proof of performance to establish that the proposed radiation pattern is essentially omnidirectional. The proof shall include at least six approximately equally-spaced radials with sufficient close-in points that the inverse distance fields can be clearly established.
- 6 Before program tests are authorized, permittee shall submit sufficient current distribution measurement data to establish clearly that the current distribution approximates that of an antenna with electrical height of 75.7 degrees, as proposed.
- 7 The proposed antenna will be 54.6 degree(71 meters) tall with 21.1 degree of guy wire toploading.

Special operating conditions or restrictions:

- 8 Before program test authority is authorized by the Commission: sufficient radiofrequency (RF) electromagnetic field measurements taken at the tower fence shall be submitted to show that the new power level RF radiation is in compliance with the American National Standards Institute Guidelines (OET Bulletin No. 65, August 1997); or a fence must be erected at such distances and in such a manner as to prevent the exposure human exposure to radiofrequency electromagnetic fields in excess of the FCC Guidelines (OET Bulletin No. 65, Edition 97-01, August 1997). The fence must be of a type which will preclude casual or inadvertent access, and must include warning signs at appropriate intervals which describe the nature of the hazard. Permittee shall submit documentation of compliance with this special operating condition along with the Form 302, application for license and the request for program test authority.

*** END OF AUTHORIZATION ***