



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

Authorizing Official:

Official Mailing Address:

PUBLIC BROADCASTING OF COLORADO, INC.  
7409 SOUTH ALTON COURT  
CENTENNIAL CO 80112

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 70405

Call Sign: KCFC

Permit File Number: BP-20170407AAL

Grant Date: **JUL 14 2017**

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

Permit to co-locate with station KVCU(AM), increase tower height and  
efficiency, and decrease power.

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

Callsign: KCFC

Permit No.: BP-20170407AAL

Name of Permittee: PUBLIC BROADCASTING OF COLORADO, INC.

Station Location: BOULDER, CO

Frequency (kHz): 1490

Station Class: C

Antenna Coordinates:

Day

Latitude: N 39 Deg 57 Min 53 Sec

Longitude: W 105 Deg 14 Min 07 Sec

Night

Latitude: N 39 Deg 57 Min 53 Sec

Longitude: W 105 Deg 14 Min 07 Sec

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

Nominal Power (kW): Day: 0.29 Night: 0.29

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	1033690	

Night:

Tower No.	ASRN	Overall Height (m)
1	1033690	

Non-Directional Antenna: Day

Radiator Height: 63 meters; 112.7 deg

Theoretical Efficiency: 320.43 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 63 meters; 112.7 deg

Theoretical Efficiency: 320.43 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 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.
- 2 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.
- 3 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.
- 4 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations KCFC and KVCU (ID# 48965), and there shall be filed with the license application copies of a firm agreement entered into by the two stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, both stations shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.
- 5 Ground system consists of 120 equally spaced, buried, copper radials about the base of the tower, each 63 meters in length.

\*\*\* END OF AUTHORIZATION \*\*\*