



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

Authorizing Official:

Official Mailing Address:

SMG-SPOKANE, LLC  
2448 E. 81ST STREET  
SUITE 5500  
TULSA OK 74137

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 11234

Call Sign: KGA

Permit File Number: BP-20180302AAM

Grant Date: June 18, 2018

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

Permit to change from DA to ND daytime, add ND critical hours pattern,  
reduce nighttime power, and change the nighttime pattern using existing  
towers.

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.	7:30 AM	4:30 PM	Jul.	4:00 AM	7:45 PM
Feb.	7:00 AM	5:15 PM	Aug.	4:45 AM	7:00 PM
Mar.	6:00 AM	6:00 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:00 AM	6:45 PM	Oct.	6:00 AM	5:00 PM
May	4:15 AM	7:15 PM	Nov.	7:00 AM	4:15 PM
Jun.	3:45 AM	7:45 PM	Dec.	7:30 AM	4:00 PM

Callsign: KGA

Permit No.: BP-20180302AAM

Name of Permittee: SMG-SPOKANE, LLC

Station Location: SPOKANE, WA

Frequency (kHz): 1510

Station Class: B

Antenna Coordinates:

Day

Latitude: N 47 Deg 30 Min 08 Sec

Longitude: W 117 Deg 23 Min 06 Sec

Night

Latitude: N 47 Deg 30 Min 08 Sec

Longitude: W 117 Deg 23 Min 06 Sec

Critical

Latitude: N 47 Deg 30 Min 08 Sec

Longitude: W 117 Deg 23 Min 06 Sec

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

Nominal Power (kW): Day: 50.0 Night: 6.0 Critical: 45.0

Antenna Mode: Day: ND Night: DA Critical: ND

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1008299	

Night:

Tower No.	ASRN	Overall Height (m)
1	1008299	
2	1008294	

Critical:

Tower No.	ASRN	Overall Height (m)
1	1008299	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 986.1  
 Standard RMS (mV/m/km): Night: 1035.8  
 Augmented RMS (mV/m/km):  
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	224.8
2	0.9500	110.500	92.6000	126.000	0	179.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Non-Directional Antenna: Day

Radiator Height: 124 meters; 224.8 deg

Theoretical Efficiency: 440.94 mV/m/kw at 1km

Non-Directional Antenna: Critical

Radiator Height: 124 meters; 224.8 deg

Theoretical Efficiency: 440.94 mV/m/kw at 1km

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Night:

Azimuth:	Radiation:
84.6	49.6 mV/m
167.4	49.6 mV/m

## Special operating conditions or restrictions:

- 1 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.  
A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the (night) directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules.  
Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).
- 2 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.
- 3 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.
- 4 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.
- 5 Before program tests are authorized, licensee shall dismantle the three unused antenna towers as specified in the application.
- 6 Ground system consists of 120 equally spaced, buried, copper radials, each 79 meters in length about tower #1(W) and 95 meters in length about tower #2 E), except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.2 meters in length, about the base of each tower.

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