

# Federal Communications Commission

## AM BROADCAST STATION CONSTRUCTION PERMIT

**Licensee/Permittee**

Townsquare License,  
LLC  
1 Manhattanville Road  
Suite 202  
Purchase, NY, 10577

<b>Call Sign</b>	<b>Facility ID</b>
KIDO	17396

<b>File Number</b> 0000237014	<b>This Permit Modifies License File No.</b> BL-4694		
<b>Filing Date</b> 01/29/2024	<b>Grant Date</b>	<b>Expiration Date</b> 36 months after the grant date	
<b>Description Text</b> Change transmitter location.			
<b>Community of License</b> City: Nampa State: ID	<b>Frequency (KHz)</b> 580	<b>Station Class</b> B	<b>Service Type</b> Main
<b>Facility Type</b> Commercial			
<b>Hours of Operation</b> Daytime Nighttime			
<b>Station Antenna Modes/Antenna Types</b> Daytime: Non-Directional Nighttime: Directional			

**Average Hours of Sunrise and Sunset**  
Local Standard Time (Non-Advanced)

<b>Month</b>	<b>Sunrise</b>	<b>Sunset</b>
<b>January</b>	8:15	17:30
<b>February</b>	7:45	18:15
<b>March</b>	7:00	18:45
<b>April</b>	6:00	19:30
<b>May</b>	5:15	20:00
<b>June</b>	5:00	20:30
<b>July</b>	5:15	20:30
<b>August</b>	5:45	19:45
<b>September</b>	6:30	19:00
<b>October</b>	7:00	18:00
<b>November</b>	7:45	17:15
<b>December</b>	8:15	17:15

**Transmitter**

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

Antenna Mode: Daytime

Antenna Type: Non-Directional

<b>Antenna Coordinates (NAD 83)</b>  <b>Latitude</b> 43° 25' 43.6" N  <b>Longitude</b> 116° 19' 46.4" W	<b>Nominal Power (kW)</b> 20.00														
<b>Antenna Structure Registration Number(s)</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Tower No.</th> <th style="width: 25%;">ASRN</th> <th style="width: 60%;">Overall Height (m)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1040305</td> <td style="text-align: center;">114.3</td> </tr> </tbody> </table>		Tower No.	ASRN	Overall Height (m)	1	1040305	114.3								
Tower No.	ASRN	Overall Height (m)													
1	1040305	114.3													
<b>Radiator Height</b> 111.86 meters 77.9 degrees	<b>Theoretical Efficiency</b> 298.13 mV/m/kw at 1 km														
<b>Theoretical Parameters</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Tower No.</th> <th style="width: 10%;">Field Ratio</th> <th style="width: 15%;">Phasing (deg.)</th> <th style="width: 15%;">Spacing (deg.)</th> <th style="width: 15%;">Orientation (deg.)</th> <th style="width: 15%;">Tower Ref. Switch*</th> <th style="width: 10%;">Height (deg.)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">77.9</td> </tr> </tbody> </table>		Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)	1	1	0	0	0	0	77.9
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)									
1	1	0	0	0	0	77.9									
<p>* Tower Reference Switch</p> <p>0 = Spacing and orientation from reference tower</p> <p>1 = Spacing and orientation from previous tower</p>															
<b>Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)</b>															
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1	Neither														

# Antenna Mode: Nighttime

Antenna Type: Directional

<b>Antenna Coordinates (NAD 83)</b>  <b>Latitude</b> 43° 25' 43.6" N  <b>Longitude</b> 116° 19' 46.4" W	<b>Nominal Power (kW)</b>  4.4
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**Antenna Structure Registration Number(s)**

Tower No.	ASRN	Overall Height (m)
1	1040309	114.3
2	1040310	114.3
3	1040311	114.3
4	1040312	114.3
5	1040305	114.3
6	1040313	114.3

**Description of Nighttime Directional Antenna System**

Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor
650.02	683.15		27.83

**Theoretical Parameters**

Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)
1	0.589	172.4	0	0	0	77.9
2	0.325	50.9	77.7	150.4	0	77.9
3	1.0	0	76.2	289.5	0	77.9
4	0.307	129.3	129.5	228.5	0	77.9
5	0.556	-165.6	215.5	271.6	0	77.9
6	0.456	-26.0	243.5	254.0	0	77.9

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

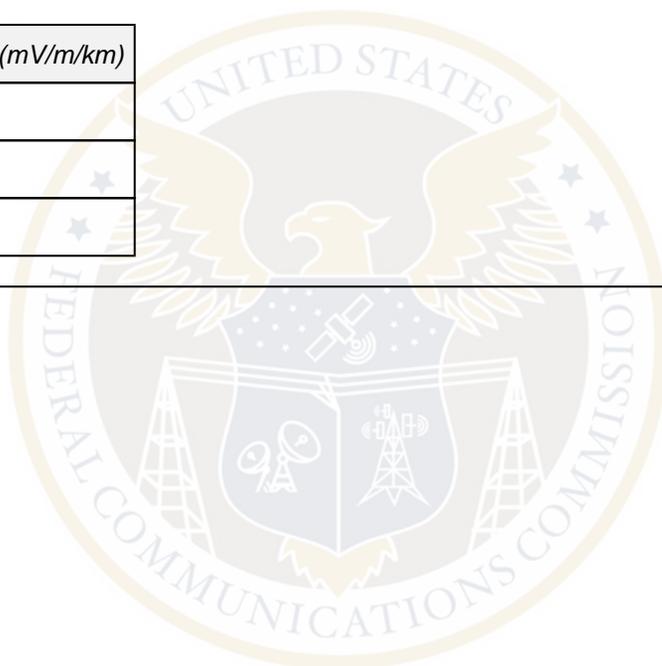
**Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)**

<b>Tower No.</b>	<b>Tower Type</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
1	Neither				
2	Neither				
3	Neither				
4	Neither				
5	Neither				
6	Neither				

**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:

<b>Azimuth (deg.)</b>	<b>Radiation (mV/m/km)</b>
5.9	167.901
105.5	80.64
203.0	30.009



## Special operating conditions or restrictions

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.

- The ground system consists of 120 equally spaced buried copper radials about the base of each tower, each 112 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent tower
- This application is being granted prior to the completion of the International Telecommunications Union (ITU) registration process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if found by the Commission to be necessary in order to conform to the provisions of the registration process of the ITU, and to bilateral and other multilateral agreements between the United States and other countries.
- 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 KIDO, Fac. ID no. 17396, and KBOI, Fac. ID no. 51211, and there shall be filed with the license application copies of a firm agreement entered into by the 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, Stations KIDO, Fac. ID no. 17396, and KBOI, Fac. ID no. 51211 shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.
- 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 (day) and (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).
- 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.

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.

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

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

