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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: BNSF RAILWAY CO.

BNSF RAILWAY CO.
4515 KANSAS AVENUE
KANSAS CITY, KS 66106

Table with 2 columns: Call Sign (WQON691), File Number (0009731276), Radio Service (IG - Industrial/Business Pool, Conventional), Regulatory Status (PMRS), Frequency Coordination Number.

FCC Registration Number (FRN): 0004772877

Table with 4 columns: Grant Date (11-09-2021), Effective Date (11-09-2021), Expiration Date (11-30-2031), Print Date (11-10-2021).

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 5 Address: 1525 WEST 24TH PLACE - TRIMMER TOWER
City: Tulsa County: TULSA State: OK
Lat (NAD83): 36-07-31.3 N Long (NAD83): 096-00-38.5 W ASR No.: N/A Ground Elev: 194.5
Loc. 6 Area of operation
Operating within a 40.0 km radius around 36-07-31.4 N, 096-00-38.5 W, TULSA, TULSA county, OK
Loc. 7 Address: 2100 SOUTH UNION - MOW OFFICE
City: Tulsa County: TULSA State: OK
Lat (NAD83): 36-08-03.4 N Long (NAD83): 096-00-36.6 W ASR No.: N/A Ground Elev: 193.5
Loc. 8 Area of operation
Operating within a 40.0 km radius around 36-08-03.4 N, 096-00-36.6 W, TULSA, TULSA county, OK
Loc. 9 Address: 2001 SOUTH UNION AVENUE
City: TULSA County: TULSA State: OK
Lat (NAD83): 36-08-03.7 N Long (NAD83): 096-00-34.9 W ASR No.: N/A Ground Elev: 196.6
Loc. 10 Area of operation
Operating within a 40.0 km radius around 36-08-03.7 N, 096-00-34.9 W, TULSA, TULSA county, OK

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: BNSF RAILWAY CO.

Call Sign: WQON691

File Number: 0009731276

Print Date: 11-10-2021

Antennas

| Loc No. | Ant No. | Frequencies (MHz) | Sta. Cls. | No. Units | No. Pagers | Emission Designator | Output Power (watts) | ERP (watts) | Ant. Ht./Tp meters | Ant. AAT meters | Construct Deadline Date |
|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 5 | 1 | 000160.41000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.50000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.78500000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.86000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.80000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.98000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.04000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.49000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.43000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.41500000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.25000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.10000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 170.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.16000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.01000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |

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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|--------------------|
| 5 | 1 | 000160.92000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.89000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.83000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.77000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.69500000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000160.71000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 11-30-2012 |
| 5 | 1 | 000161.23500000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 07-12-2017 |
| 5 | 1 | 000161.35500000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 150.000 | 12.2 | -14.4 | 07-12-2017 |
| 5 | 3 | 000160.72500000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 135.000 | 18.3 | -8.3 | 09-17-2019 |
| 5 | 3 | 000160.86000000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 135.000 | 18.3 | -8.3 | 09-17-2019 |
| 5 | 3 | 000160.98000000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 135.000 | 18.3 | -8.3 | 09-17-2019 |
| 5 | 4 | 000160.57500000 | FB2 | 1 | | 11K2F3E | 45.000 | 135.000 | 18.3 | -8.3 | 11-27-2019 |
| 6 | 1 | 000160.41000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.50000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.80000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |

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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 6 | 1 | 000161.43000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000161.41500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000161.25000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000161.10000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000161.16000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000161.04000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000161.01000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.98000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.92000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.89000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.71000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.78500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.83000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.86000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |

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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 6 | 1 | 000160.77000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.69500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 6 | 1 | 000160.50000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 07-12-2017 |
| 6 | 1 | 000160.83000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 07-12-2017 |
| 6 | 1 | 000160.57500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 07-12-2017 |
| 6 | 1 | 000160.72500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 09-17-2019 |
| 6 | 1 | 000161.49000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-27-2019 |
| 7 | 1 | 000160.77000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 80.000 | 5.2 | -20.0 | 11-30-2012 |
| 7 | 1 | 000161.04000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 80.000 | 5.2 | -20.0 | 11-30-2012 |
| 7 | 1 | 000161.10000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 80.000 | 5.2 | -20.0 | 11-30-2012 |
| 7 | 1 | 000161.01000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 80.000 | 5.2 | -20.0 | 11-30-2012 |
| 7 | 1 | 000160.92000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 80.000 | 5.2 | -20.0 | 11-30-2012 |
| 7 | 1 | 000161.43000000 | FB | 1 | | 11K2F3E 4K00F1E | 50.000 | 80.000 | 5.2 | -20.0 | 06-20-2018 |
| 8 | 1 | 000161.01000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |

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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 8 | 1 | 000161.04000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 8 | 1 | 000161.10000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 8 | 1 | 000160.92000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 8 | 1 | 000160.77000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 8 | 1 | 000161.43000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 11-30-2012 |
| 9 | 1 | 000160.89000000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 130.000 | 24.4 | 3.0 | 09-17-2019 |
| 9 | 1 | 000161.53500000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 130.000 | 24.4 | 3.0 | 09-17-2019 |
| 9 | 2 | 000160.80000000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 135.000 | 18.3 | -3.0 | 09-17-2019 |
| 9 | 2 | 000161.41500000 | FB | 1 | | 11K2F3E 4K00F1E | 45.000 | 135.000 | 18.3 | -3.0 | 09-17-2019 |
| 10 | 1 | 000160.89000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 09-17-2019 |
| 10 | 1 | 000161.53500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 09-17-2019 |
| 10 | 1 | 000160.80000000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 09-17-2019 |
| 10 | 1 | 000161.41500000 | MO | 25 | | 11K2F3E 4K00F1E | 50.000 | 50.000 | | | 09-17-2019 |

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Control Points

Control Pt. No. 1

Address: 4515 Kansas Ave

City: Kansas City **County:** WYANDOTTE **State:** KS **Telephone Number:** (913)551-4639

Associated Call Signs

WPSF971

TEST TEST TEST <NA>

Waivers/Conditions:

NONE