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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: UNION PACIFIC RAILROAD

ATTN: BRAD G. ZIELIE
UNION PACIFIC RAILROAD
1400 DOUGLAS ST. STOP 0650
OMAHA, NE 68135

Call Sign WNTH863	
File Number	
Radio Service MG - Microwave Industrial/Business Pool	
SMSA	Station Class FXO

FCC Registration Number (FRN): 0001539048

Grant Date 12-04-2007	Effective Date 04-05-2011	Expiration Date 02-16-2018	Print Date
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LOCATION

Fixed Location Address or Area of Operation:

1.4 MILES E OF COUNTY RD 1100N AND HWY 30
City: PHILO County: CHAMPAIGN State: IL

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	PHILO	40-02-49.1 N	088-08-03.1 W	207.3	1025691
002	VILLA GROVE	39-51-38.1 N	088-09-43.1 W	198.4	
003	ELLIS	40-21-13.1 N	087-53-06.1 W	229.5	

FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
6053.92	0.00100	10M0D7W	63.100		001	1	001	45.7	38.7	1.8	V	186.6	002	WNTI685
954.1	0.00010	100KD7W	48.100		002	1	001	76.2	22.1	12.5	V	31.8	003	WNTH861

Waivers/Conditions:

NONE

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.