



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

Authorizing Official:

Official Mailing Address:

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GRAY TELEVISION LICENSEE, LLC  
WMTV  
615 FORWARD DRIVE  
MADISON WI 53711

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Facility Id: 6870  
Analog TSID: 3204  
Digital TSID: 3205  
Call Sign: WMTV  
Permit File Number: BMPCDT-20040226AAX

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Clay C. Pendarvis  
Associate Chief  
Video Division  
Media Bureau

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Grant Date: March 24, 2004

This permit expires 3:00 a.m.  
local time, 6 months after the  
grant date specified above.

This authorization re-issued to reflect the correct antenna major lobe.

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.

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

Name of Permittee: GRAY TELEVISION LICENSEE, LLC

Station Location: WI-MADISON

Frequency (MHz): 500 - 506

Channel: 19

Hours of Operation: Unlimited

Callsign: WMTV

Permit No.: BMPCDT-20040226AAX

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

Antenna type: (directional or non-directional): Non-Directional

Description: DIE, TUA-O4-10/40H-1-S-R

Beam Tilt: 0.75 Degrees Electrical

Major lobe directions (degrees true): Not Applicable

Antenna Coordinates: North Latitude: 43 deg 03 min 03 sec

West Longitude: 89 deg 29 min 13 sec

Transmitter output power: As required to achieve authorized ERP.

Maximum effective radiated power (Average): 56 kW  
17.5 DBK

Height of radiation center above ground: 360 Meters

Height of radiation center above mean sea level: 684.9 Meters

Height of radiation center above average terrain: 386.8 Meters

Antenna structure registration number: 1241784

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

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