



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

Authorizing Official:

Official Mailing Address:

CUMBERLAND COMMUNICATION CORPORATION  
P. O. BOX 1269  
TRACY CITY TN 37387

Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

Facility ID: 14730

Call Sign: WSGM

Permit File Number: BMPH-19940131IE

Grant Date: April 12, 1994

The authority granted herein has no effect on the expiration date of the underlying construction permit.

This permit modifies Permit No.: BPH-900507ML.

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.

Name of Permittee: CUMBERLAND COMMUNICATION CORPORATION

Station Location: TN-COALMONT

Frequency (MHz): 104.7

Channel: 284

Class: A

Hours of Operation: Unlimited

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

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 35 deg 16 min 44 sec  
West Longitude: 85 deg 44 min 02 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	1.00	1.00
Height of radiation center above ground (Meters):	37	37
Height of radiation center above mean sea level (Meters):	677	677
Height of radiation center above average terrain (Meters):	167	167

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 40 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

Special operating conditions or restrictions:

- 1 The permittee/licensee 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.

Special operating conditions or restrictions:

- 2 THE RELATIVE FIELD STRENGTH OF NEITHER THE MEASURED HORIZONTALLY NOR VERTICALL POLARIZED RADIATION COMPONENT SHALL EXCEED AT ANY AZIMUTH THE VALUE INDICATED ON THE COMPOSITE RADIATION PATTERN AUTHORIZED BY CONSTRUCTION PERMIT BPH-900507ML.

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A RELATIVE FIELD STRENGTH OF 1.0 ON THE COMPOSITE RADIATION PATTERN AUTHORIZED BY BPH-900507ML CORRESPONDS TO THE FOLLOWING EFFECTIVE RADIATED POWER:

1.0 KILOWATT.

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PRINCIPAL MINIMA AND ITS ASSOCIATED FIELD STRENGTH LIMIT:

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135 DEGREES TRUE: 0.032 KILOWATTS.

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IN ORDER TO COMPLY WITH THE FAA'S DETERMINATION OF NO HAZARD TO AIR NAVIGATION, CUMBERLAND COMMUNICATION CORPORATION SHALL UTILIZE A SHIVELY 6810 ANTENNA (2-BAYS, ONE WAVELENGTH SPACING) WITH THE PATTERN MINIMA DIRECTED TOWARD A BEARING OF 135 DEGREES TRUE.

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