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527 MUNSEY BUILDING
783-0111
CODE: 202

June 23, 1970

Mr. Ben F. Waple
Secretary
Federal Communications Commission
1919 M Street, N. W.
Washington, D. C. 20554

Re: WHP Construction Permit, BP-18139

Dear Mr. Waple:

Radio Station WHP, Harrisburg, Pennsylvania is continuing its work to improve the operation of its directive antenna system with the installation of new transmission lines and antenna phasing and coupling equipment. This work is being completed in order to proceed with the antenna adjustment work authorized in Construction Permit, BP-18139.

The following additional work, expected to be completed in the near future, will be accomplished in the following manner:

Step No. 1 - Dig trenches and install new transmitter feed lines and sample lines. Remove old ground screen on each of the towers and install eighteen 3-inch copper straps equally spaced around towers in lieu of screen as shown on the attached sketch. If in this process any changes in operating parameters occur authority will be needed for operation at variance from license requirements.

Step No. 2 - Install phasing and equipment at all towers and in the transmitter building. During the period of installation it is believed that it will not be possible to maintain the normal nighttime directive operation. Accordingly, authority will be needed to operate with a power of 500 watts non-directive nighttime and continuing with 5 KW non-directive daytime.

Step No. 3 - Every effort will be made to restore the nighttime directive pattern within the limits specified in the new construction permit. As soon as the approximate pattern is obtained authority will be needed to operate nighttime with a power of 5 KW, utilizing this temporary directive operation.

COHEN AND DIPPELL

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- 2 -

June 23, 1970

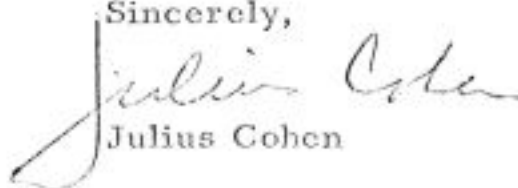
Step No. 4 - Authority will be needed for operation daytime with the nighttime 5 KW directive pattern to facilitate Proof-of-Performance measurements.

Step No. 5 - Complete Proof-of-Performance and prepare license application data for filing with the F. C. C.

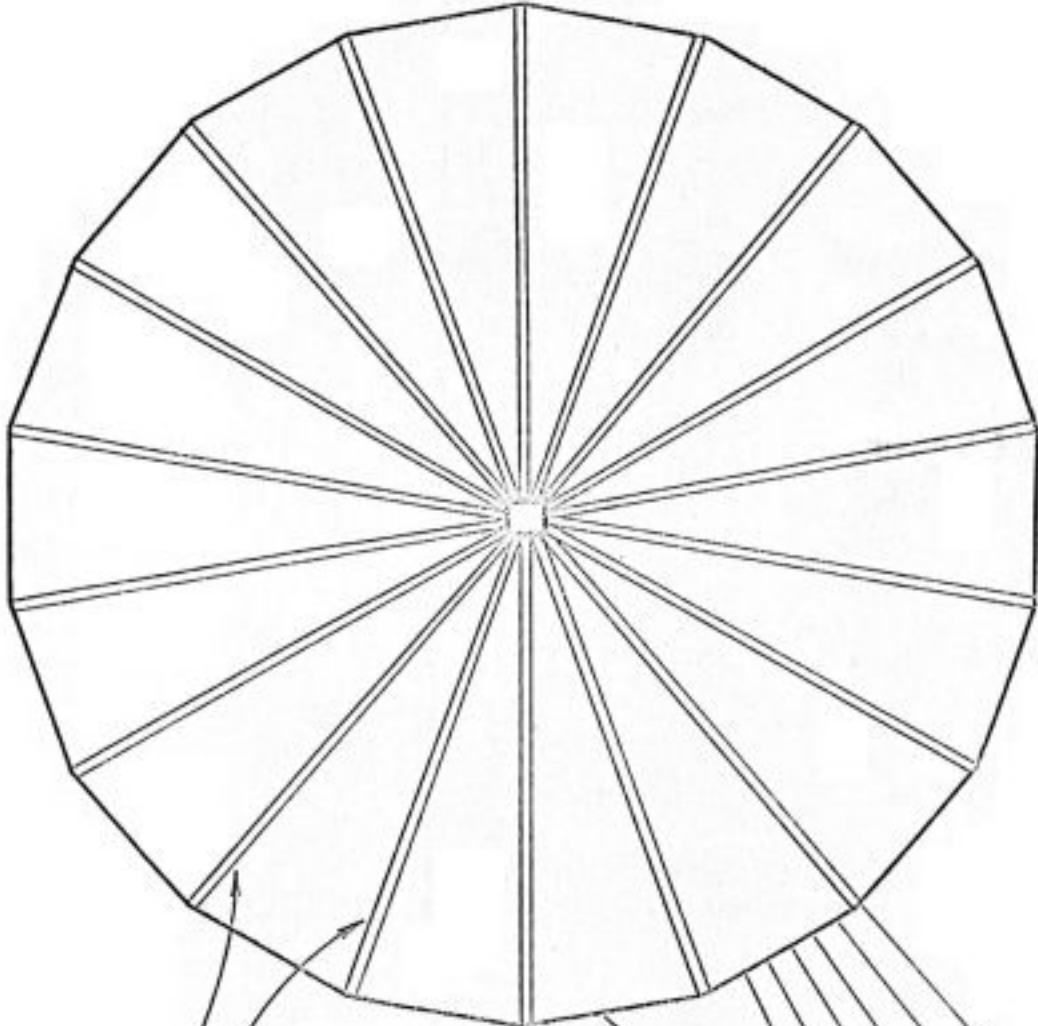
The Commission will be notified as WHP is ready to start each step of the construction operation. It is requested that the Commission advise the undersigned and station WHP that they proceed without further authorization with each phase after notification to the Commission.

The undersigned is consulting engineer for WHP and this request is made in their behalf.

Sincerely,


Julius Cohen

JC:tl



3'' x 20 Mil. x 20' Copper Strap
Every 20° Around Each Tower Base

3/4'' Copper Tubing

Existing Radial

NEW GROUND SYSTEM
WHP, HARRISBURG, PENNSYLVANIA
JUNE 1970