



**ENGINEERING STATEMENT OF CYNTHIA M. JACOBSON, P.E.
IN SUPPORT OF AN
APPLICATION FOR CONSTRUCTION PERMIT
WPIT – PITTSBURGH, PENNSYLVANIA
730 kHz – 5.0 kW DAY/0.024 kW NIGHT – ND-1-U
Facility ID: 58624**

Prepared for: Pennsylvania Media Associates, Inc.

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia.

My education and experience are a matter of record with the Federal Communications Commission. I am a Registered Professional Engineer in the Commonwealth of Virginia, Registration No. 027914.

GENERAL

This office has been authorized by Pennsylvania Media Associates, Inc. ("PMA"), licensee of Standard Broadcast Station WPIT, Pittsburgh, Pennsylvania, to prepare this engineering statement in support of an Application for Construction Permit to correct site coordinates. WPIT operates on 730 kHz with 5.0 kW daytime and 0.024 kW nighttime utilizing a nondirectional antenna.

The applicant seeks to correct long-standing coordinate data for the WPIT facility. The ASR tower number is 1027140. An Application for Construction Permit is also being filed to correct the coordinates of co-located and co-owned FM station, WORD-FM, Pittsburgh, Pennsylvania.

CORRECTED DATA

It is proposed to correct the site coordinates for the nondirectional tower. The NAD-27 coordinates for the daytime and nighttime facilities are as follows:

DAY & NIGHT¹

N. Latitude: 40° 28' 58"

W. Longitude: 79° 59' 31"

The actual physical location and physical height of the WPIT (and WORD-FM) tower remains unchanged.

RELATED ISSUES

The corrected coordinates result in less than a 0.14 kilometer difference from the currently authorized coordinates. Due to the fact that the difference is so slight, the allocation considerations are not a concern and the predicted coverage remains essentially the same as that on file with the Commission.

ENVIRONMENTAL IMPACT

The proposal described herein meets the criteria specified in Section 1.1306 of the Commission's Rules as an action that is categorically excluded from environmental processing.

¹ The present FCC authorized coordinates are North Latitude 40° 29' 02", West Longitude 79° 59' 34".

The proposal described herein does not involve a site location specified under Section 1.1307(a)(1)-(7) of the Rules, nor high intensity lighting as specified under Section 1.1307(a)(8).

RADIOFREQUENCY IMPACT

On January 1, 1986, the FCC amended its Rules to implement the National Environmental Policy Act of 1969 (NEPA). This amendment established RF radiation protection guidelines to be used to determine if potentially harmful RF exposure is possible from an FC-regulated transmission facility. Effective October 15, 1997, the FCC adopted revised guidelines and procedures for evaluation environmental effects of RF emissions. These revised guidelines incorporate two tiers of exposure limits based on whether exposure occurs in a “controlled” (occupational) situation or an “uncontrolled” (general population) situation. The FCC has also revised OET Bulletin No. 65 entitled, “Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields”, to aid in the radiation exposure analysis. This bulletin, as well as other current literature, provides detailed information for conducting an analysis including mathematical equations that can be used to determine compliance with the Commission’s guidelines.

CALCULATION METHODS

The applicant herein certifies that a fence exists, which is at least 2 meters from the tower base, to prevent exposure of humans to radiofrequency electromagnetic fields

in excess of FCC Guidelines. The fence is of the type to preclude casual access to the tower and includes RFR warning signs, posted at appropriate intervals.

It is submitted that the WPIT station will not constitute a potential hazard to the quality of the human environment. Accordingly, the WPIT proposal, as described herein, should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Rules.

OCCUPATIONAL SAFETY

Access to the antenna supporting tower base will be restricted to authorized maintenance personnel only. The licensees, in a cooperative effort, will institute joint procedures to ensure protection of station personnel or tower contractors working in the vicinity of the tower, the station will reduce power and/or cease operation during times of service or maintenance of the transmission systems when necessary to avoid potentially harmful exposure to personnel.

In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

SUMMARY

No significant changes are proposed herein. The existing tower structure has been in existence since the late 1940s. Because no physical changes have occurred, there will be no impact on WORD-FM or the other nearby AM stations.

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This statement and Section III-A of FCC form 301 were prepared by me or under my direct supervision and are believed to be true and correct.

DATED: June 23, 2014

