

APPENDIX TO ENGINEERING REPORT COVERING  
REQUEST FOR CONSTRUCTION PERMIT  
TECHNICAL NARRATIVE IN SUPPORT OF CITY OF LICENSE CHANGE  
ON BEHALF OF ANASTOS MEDIA GROUP, INC.  
FOR WUAM(AM) 900 KILOHERTZ  
WATERVLIET, NEW YORK

JANUARY 2007

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STATEMENT

This technical narrative and accompanying engineering exhibits have been prepared on behalf of station WUAM(AM), Saratoga Springs, New York (“WUAM” or the “Station”), in support of an application for a construction permit for the minor modification of the Station in accordance with Section 307(b) of the Communications Act of 1934, as amended, 47 U.S.C. Section 307(b). This minor modification application requests a modification for operation on the same frequency, 900 kilohertz, at Watervliet, New York, in lieu of Saratoga Springs, New York.

As the daytime facilities specified in the instant modification are mutually exclusive with the Station’s current licensed daytime facilities<sup>1</sup>, this modification is appropriately requested on a minor modification application. *See* 47 C.F.R. Section 73.3571(j).

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<sup>1</sup> *The distance between the licensed and proposed sites is 42.7 kilometers.*

### SUMMARY OF PROPOSAL MERITS

- The community of Watervliet, New York (2000 Census population 10,207 persons) will be provided with its first local aural transmission service.
- The community of Saratoga Springs, New York (2000 Census population 28,186 persons) will continue to have local transmission service from licensed stations WSPN(FM) and WSSK(FM) (currently silent). Moreover, Saratoga Springs will continue to receive multiple aural transmission services.
- The 2 mV/m daytime contour gain area associated with this proposal will encompass 597,165 persons within 1928 square kilometers, while the 2 mV/m daytime contour loss area will encompass 98,475 persons within 853 square kilometers, for a net gain of 498,690 additional persons and 1,075 square kilometers served within the WUAM 2 mV/m daytime contour.<sup>2</sup>
- The 0.5 mV/m daytime contour gain area associated with this proposal will encompass 399,421 persons within 4,781 square kilometers, while the 0.5 mV/m daytime contour loss area will encompass 97,280 persons within 1,492 square kilometers, for a net gain of 302,141 additional persons and 3,289 square kilometers served within the WUAM 0.5 mV/m daytime contour.<sup>3</sup>

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<sup>2</sup> See Figure 1A.

<sup>3</sup> See Figure 2A.

- The 2 mV/m daytime and 0.5 mV/m daytime contour loss areas continue to be well served by other aural services. There are 39 stations, excluding WUAM, that provide protected service to Saratoga Springs<sup>4</sup>

### **Table of Figures Accompanying this Narrative**

Figure 1A	WUAM 2 mv/m Service Comparison
Figure 2A	WUAM 0.5 mv/m Service Comparison
Figure 3A	Map of Protected AM Service to Existing Community of License
Figure 4A	Map of Protected AM Service to Proposed Community of License
Figure 5A	Map of Protected FM Service to Existing Community of License
Figure 6A	Map of Protected FM Service to Proposed Community of License
Table 1A	Table of AM Stations Providing Service to Existing Community of License
Table 2A	Table of AM Stations Providing Service to Proposed Community of License
Table 3A	Table of FM Stations Providing Service to Existing Community of License
Table 4A	Table of FM Stations Providing Service to Proposed Community of License

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<sup>4</sup> See Figures 3A and 5, Tables 1A and 3A .

### PROPOSED CHANGE

Saratoga Springs, New York, is located in Saratoga County, New York, and has a 2000 U.S. Census population of 28,186 persons. At present, besides WUAM, two local aural transmission services are assigned to, and would remain at, Saratoga Springs: WSPN(FM) and WSSK(FM) (currently silent).

Watervliet, New York, is located in Albany County, New York, and has a 2000 U.S. Census population of 10,207 persons. Watervliet has no local FM or AM local transmission broadcast service and, therefore, this proposal would bring a first local aural transmission service to Watervliet.

### COMPLIANCE WITH FCC RULES

Operation from the proposed transmitter site would provide the requisite city grade (5 mV/m daytime contour) signal to all of Watervliet. *Figure 3* of the underlying application for construction permit is a map which depicts the city grade coverage (5 mV/m daytime) contour based on the proposed transmitter site. As shown, all (100%) of Watervliet is located within the 5 mV/m daytime contour.

### PROPOSED AREA AND POULATION DATA

There would be 600,915 persons residing within the proposed 2 mV/m daytime contour as calculated from the proposed transmitter site and based on the proposed facilities; the area within the proposed 2 mV/m daytime contour would be 1,944 square kilometers. There would be 827,510

persons residing within the proposed 0.5 mV/m daytime contour as calculated from the proposed transmitter site and based on the proposed facilities; the area within the proposed 0.5 mV/m daytime contour would be 6,787 square kilometers.

#### PROTECTED SERVICE TO PROPOSED COMMUNITY OF LICENSE

Watervliet, New York, the proposed community of license, currently receives protected aural service from 39 radio stations, as plotted in *Figures 4A* and *6A* and tabulated in Tables 2A and 4A (counting those stations which provide protected service to at least 80 percent of the area of the community of license).

#### METHODOLOGY

The AM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.182. The FM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.313.

The population within the service contours was calculated using a computer program that utilizes the 2000 U.S. Census database of "population centroids." The program adds the populations of those U.S. Census designated areas whose centroid lies within each service area.

## CONCLUSION

The community of license of WUAM may be changed from Saratoga Springs, New York, to Watervliet, New York, operating on 900 kilohertz, in compliance with all applicable Commission rules. The community of Watervliet, New York, would be provided with a first local aural transmission service, and the community of Saratoga Springs will continue to have local aural transmission service from the other licensed services to that community. There are 39 stations that provide protected service to Saratoga Springs<sup>5</sup>. All of the loss areas would continue to be well-served by five or more aural reception services. Reassignment of WUAM to Watervliet would result in a substantial gain in coverage area and population served. Therefore, Petitioner requests a permit for the modification of WUAM to specify Watervliet, New York, as the community of license, in lieu of Saratoga Springs, New York, and to authorize the other technical changes requested in this application.

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<sup>5</sup> See Figures 3A and 5A, Tables 1A and 3A.