

## Exhibits

- No. 1 In response to Tech Box Item 4(d) Directional Daytime pattern for 840 kHz 25 kW Figure 1
- No. 2 In response to Tech Box Item 5(d) Directional Nighttime pattern for 840 kHz 10 kW Figure 2
- No. 3 Response to Tech Box Item 7 is in the Engineering Statement above
- No. 4 In response to Tech Box Item 8 Daytime 5 mV/m Contour Map Figure 3, Daytime Transmitter Site Map, Figure 4 with aerial photo Figure 4a, Nighttime Interference Free Contour Map Figure 5, and Nighttime Transmitter Site Map Figure 6 with aerial photo Figure 6a
- No. 5 In response to Tech Box Item 10 Groundwave interference map to 860 Figure 7, Daytime 1000 mV/m contour map Figure 8, and Dataworld Nighttime study Figure 9, 840 Nighttime 5 mV/m contour study to 860 Figure 9a and Nighttime 1000 mV/m contour map Figure 10
- No. 6 Response to Tech Box Item 11 is in the Engineering Statement above
- No. 7 Daytime 2 mV/m and 0.5 mV/m coverage contour map Figure 11
- No 8 Daytime Antenna Plot Figure 12 and Nighttime Antenna Plot 12a

Respectfully submitted

Gerald L. Moore  
Consulting Engineer on behalf of  
The Pete Pappas Company

Dated: September 9, 2002  
Modesto, California

# ENCENEERING STATEMENT

With Reference to Application for Construction Permit  
FCC Form 301

## THE PETE PAPPAS COMPANY

840 KHZ - 25 KW DAY, 10 KW NIGHT - DA-2  
MODESTO CALIFORNIA

September 2002

The application appended to this Statement proposes providing a new AM Radio Station 840 kHz in Modesto, California, pursuant to Commission Decision (Reference 1800B3-TSN, copy attached), which also authorizes reassignment of KTRB 860 kHz community of license to San Francisco, California.

Two transmitting sites are proposed herein nighttime at a site some 12 miles east of Modesto on Claribel Road, and daytime some 4 miles west of Modesto on Illinois Avenue. From these sites predicted signal strength over all the City of Modesto will exceed the required level of 5 mV/m day and 7.55 mV/m at night. Separate directional radiation patterns are proposed for day and night.

As proposed, the day operation will not cause interference to nor receive interference from any other existing station or proposals now before the Commission. Nighttime operation will not increase interference to any other station beyond presently existing values.

Notice of Proposed Construction is being supplied to the Federal Aviation Administration. Tower registration as now proposed is being provided to the Commission. Copies of these documents are included herein.

The Nighttime and Daytime sites are in farm land east and west of Modesto. There is less than 1% of the population within the blanketing contours as compared to the 25 mV/m contours.

The proposed facility has been reviewed with respect to the environmental requirements of 47 C.F.R. Section 1.1206 and will not have any significant environmental impact and complies with the electromagnetic exposure limits for controlled and uncontrolled environments. The facilities are located in rural areas, and will be marked for potential RF Hazards. The entire facility will be behind locked fences and each tower will be separately fenced to prevent access at a distance beyond the point at which exposure would exceed RF Hazard limits for the uncontrolled environment. A plan will be in place to assure that any necessary reduction in power or cessation of operation will be adhered to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.