

# Sacramento Cogeneration Authority

P.O. Box 15830, Sacramento, CA 95852-1830 • 916/732-5218

Procter & Gamble Cogeneration Project

SCA 94-014

February 22, 1994

**DOCKET  
93-AFC-2**

DATE: FEB 22 1994

REC'D: FEB 23 1994

Mr. B.B. Blevins  
California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814  
Attn: Dockets Unit

**REVISED RESPONSE TO NOISE B. OF THE PROCTER AND GAMBLE PROJECT  
ORIGINALLY DATED 1/24/94 (DOCKET NO. 93-AFC-02)**

Dear Mr. Blevins:

Please find enclosed an original and twelve copies of a revised response to Noise B. for the Procter and Gamble Cogeneration Project. The original response was dated January 24, 1994. The revision reflects the projected dBA and the impacts of the project at the Noise Monitoring 1 location located closest to the office use. If you have any questions regarding this information, please telephone me at 916-732-6540.

With Regards,

Diana Parker  
Environmental Specialist

Enclosures

cc: Ron Sims, Walsh  
Rich Chapman, B&V

**STATE OF CALIFORNIA**

**State Resources Conservation  
and Development Commission**

In the matter of:	)	Docket No. 93-AFC-2
	)	
Application for Certification	)	<b>PROOF OF SERVICE</b>
of the Sacramento Cogeneration	)	(rev. 12/3/93)
Authority's Procter & Gamble	)	
Cogeneration Project	)	
_____	)	

**PROOF OF SERVICE**

I, Evangeline Parchamento, declare that on February 23, 1994, I deposited copies of the attached Revised response to Noise B of the Procter and Gamble Project originally dated 1/24/94 (Docket No. 93-AFC-02) in the United States mail at Sacramento, California, with first class postage thereon fully prepaid and addressed to the following:

**APPLICANT**

Ms. Susan Strachan, Manager  
Projects Permitting & Licensing  
SMUD  
Box 15830  
Sacramento, CA 95852-1830

Steve Cohn  
Senior Attorney  
SMUD  
P.O. Box 15830  
Sacramento, CA 95852-1830

**INTERESTED AGENCIES**

Richard Johnson  
Division Chief  
Sacramento Metro AQMD  
8411 Jackson Road  
Sacramento, CA 95826

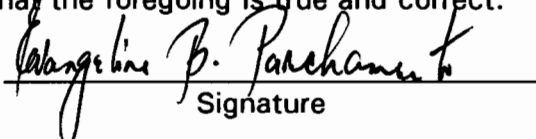
Ray Menebroker, Chief Project  
Assessment Branch  
Stationary Source Division  
California Air Resources Board  
P. O. Box 2815  
Sacramento, CA 95814

Ed Schnabel  
Sacramento Metropolitan Water District  
5331 Walnut Avenue  
Sacramento, CA 95841

**CALIFORNIA ENERGY COMMISSION**  
(Docket Unit - 12 copies required)

Docket Unit, MS-4  
1516 Ninth Street  
Sacramento, CA 95814

I declare under penalty of perjury that the foregoing is true and correct.

  
\_\_\_\_\_  
Signature

Attachment

Procter & Gamble Cogeneration Project Docket No. 93-AFC-2  
January 24, 1994

**Noise A.** At the January 10, 1994 Data Response Workshop CEC staff requested a review of the City's Noise Ordinance to confirm that it coincided with the County's Noise Ordinance.

**SCA Response.** The adopted Noise Element of the City of Sacramento General Plan, dated January 19, 1988, identifies noise level standards for land uses. If the noise source is due to vehicular traffic or a fixed source, the maximum acceptable interior noise level for residences is Ldn 45dB and the maximum acceptable exterior noise level for residences is Ldn 60dB in the backyards. The City of Sacramento Noise Control Ordinance identifies acceptable noise standards for agricultural and residential properties. The established exterior noise limits are 50dBA during the nighttime hours of 10:00 p.m. through 7:00 a.m. The established exterior noise limits are 55bBA during the daylight hours of 7:00 a.m. through 10:00 p.m. Construction is exempt from the City of Sacramento Noise Control Ordinance except between the hours of 6:00 p.m. and 7:00 a.m. on Monday through Saturday and 6:00 p.m. to 9:00 a.m. on Sunday.

The noise analysis in the Procter and Gamble AFC was based on the more restrictive noise standards of the County of Sacramento revised Draft Element of the General Plan. The AFC analysis, which is still applicable, concludes that the worst-case average noise level during the construction phase is estimated to be approximately 55 dBA at the nearest residences. Combined with the Leq(24) value of 65.0 dBA at this location, the cumulative noise impact is approximately 65 dBA. Operation of the facility will produce an overall noise emission level of approximately 45 dBA [leq(24)] at the nearest residential area. This will meet the 45 dBA nighttime requirement at the nearest residence. The existing Leq(24) level outside of these residences was measured to be 65.0 dBA. The operation of the cogeneration project is not expected to be noticeable over the existing community noise.

The AFC cumulative analysis, which is still applicable, concludes that the construction noise may be audible at the quietest times of the day but should not cause a significant increase in the ambient noise levels at most times. The impact at the nearest residences during the loudest phase of construction is expected to be approximately 55 dBA while the existing Leq(24) value is 65 dBA. The combined impact is 65.4 dBA, an inaudible increase. Section 6.10.4.1 of the AFC states that construction activities are scheduled to occur between 7:00 a.m. and 6:00 p.m. to the fullest extent possible. This timeframe is consistent with the allowable hours specified in the City of Sacramento Noise Control Ordinance.

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January 24, 1994  
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The AFC analysis of operational noise impacts states that with the mitigation measures applied the cogeneration facility is expected to emit 45 dBA at the nearest residence; this level will not cause an increase in the existing Leq(24) at this location.

AMENDED RESPONSE TO NOISE B. ORIGINALLY DATED 1/24/94

**Noise B.** At the January 10, 1994 Data Response Workshop CEC staff asked if the office use located across the railroad tracks from the project site would change the AFC analysis.

**SCA Response.** The office use is located in the Light Industrial (M-1) zone. Per the City of Sacramento Zoning Ordinance, office uses are an allowed use in the Light Industrial M-1 zone. The adopted Noise Element of the City of Sacramento General Plan identifies the community noise exposure range of 50 dB to 65 dB as normally acceptable for office buildings. The City of Sacramento Noise Control Ordinance does not identify a standard for office uses.

The office use is located near Noise Monitoring Location 1 (NML1) in the AFC which identifies an Leq(24) of 61 dBA. The worst case analysis for construction indicates that the cumulative noise level at NML1 is approximately 66.5 dBA. Although this level is slightly above the normally acceptable exposure range for office uses identified in the City of Sacramento Noise Element, the level is not expected to cause a problem. Normally a 3 to 5 dBA increase is considered to be noticeable to the average person while a 10 dBA increase is perceived as a doubling in the sound level. The projected worst case construction noise impact will result in a 5.5 dBA increase over the ambient levels outside of the office building. Although this will be noticeable to most people, it is not expected to be considered annoying for the building occupants. Because operation noise levels will be lower than construction noise levels, the impact of operation will not be significant.