

**Sacramento
Cogeneration
Authority**

P.O. Box 15830, Sacramento, CA 95852-1830 816/733-8118

DOCKET 93-AFC-2
DATE: MAR 1 1994
REC'D: MAR 18 2 1994

SCA 94-021

Procter & Gamble Cogeneration Project

March 1, 1994

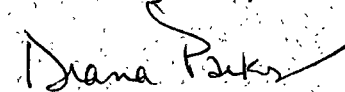
Mr. B.B. Blevins
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814
Attn: Docket Unit

ATTACHMENT B REFERENCED IN THE NPDES PERMIT APPLICATION FOR THE PROCTER AND GAMBLE COGENERATION PROJECT (Docket No. 93-AFC-02).

Dear Mr. Blevins:

Please find enclosed a copy of Attachment B referenced in the NPDES permit application for the Procter and Gamble Cogeneration Project. The NPDES permit application was docketed with the Energy Commission on February 25, 1994. If you have any questions please telephone Lon Maier (732-6566) or me (732-6540).

With Regards,


Diana Parker
Environmental Specialist

Enclosure

cc: Ron Simms, Walsh
Rich Chapman, Black & Veatch

PROCTER & GAMBLE COGENERATION PROJECT

ATTACHMENT B

002A - HRSG Blowdown A continuous blowdown will be maintained to control the dissolved solids concentration in the heat recovery steam generator drums. Makeup to the HRSG will be demineralized water provided by the cycle makeup treatment system. HRSG blowdown will consist of boiler water which is discharged in order to control the boiler water chemistry. The estimated average wastewater flow is 10 gpm.

002B - Cooling Tower Blowdown The circulating water system will be the largest source of wastewater. The cooling tower will be used for cycle heat rejection. A continuous blowdown will be maintained to control solids concentration in the circulating water system. The source of makeup water for the cooling tower will be City water, which is the plant makeup source, and evaporative cooler blowdown.

Sulfuric acid and inhibitor solutions will be fed to the tower to prevent scale formation, and sodium hypochlorite solution will be fed to prevent biofouling.

The cooling tower is expected to operate at approximately ten cycles of concentration. The estimated wastewater flow resulting from cooling tower blowdown is 60 gpm.

002C - Neutralization Facility Effluent Demineralizer regeneration wastes and chemical feed area drains will be collected and treated onsite. The demineralizer regeneration wastes will contain various amounts of unreacted sulfuric acid and sodium hydroxide along with the salts removed from the demineralizer ion exchange resins by the regeneration process. The chemical feed area drains will consist of spillage, tank overflows, maintenance operations, and area washdowns. The collected chemical drains and the demineralizer regeneration wastes will be routed to a neutralization facility for batch adjustment of pH to be between 6 and 9 prior to discharge off-site as part of the plant's total wastewater stream. The estimated average wastewater flow is 45 gpm.

002D - Plant Equipment Drains Miscellaneous general plant drains will consist of area washdown, sample drains, equipment leakage, and drainage from the combustion turbine and HRSG areas. Drains that are subject to oil or grease contamination will be routed to an oil/water separator. Oil accumulated in the separators will be periodically removed and hauled offsite by a licensed contractor. The effluent from the oil/water separator will be discharged off-site as part of the plant's total wastewater stream. The quality of this wastewater stream will not differ appreciably from the quality of the City water. The estimated average wastewater flow is 30 gpm.

002 - Wastewater Collection All wastewater streams will be combined into a single stream which will be discharged offsite to Morrison Creek. The estimated average discharge flow is 145 gpm.

STATE OF CALIFORNIA

**State Resources Conservation
and Development Commission**

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

PROOF OF SERVICE

I, Evangeline Parchamento, declare that on March 2, 1994, I deposited copies of the attached attachment B referenced in the NPDES Permit Application for the Procter and Gamble Cogeneration Project (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

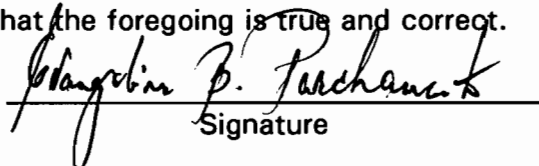
Ray Menebroker, Chief Project
Assessment Branch
Stationary Source Division
California Air Resources Board
P. O. Box 2815
Sacramento, CA 95814

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