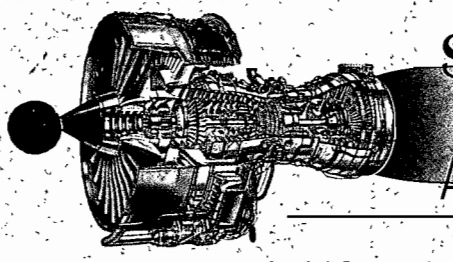


Sacramento Cogeneration Authority
P.O. Box 15830, Sacramento, CA 95852-1830, 916/732-6298
Procter & Gamble Cogeneration Project

SCA 94-019

February 25, 1994

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

COPY OF NPDES PERMIT APPLICATION SUBMITTED TO THE CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD FOR THE PROCTER & GAMBLE COGENERATION PROJECT(Docket No. 93-AFC-02)

Dear Mr. Blevins:

As requested at the January 10, 1994 data response workshop for the Procter and Gamble Cogeneration Project, please find enclosed 12 copies of the NPDES permit application submitted to the Central Valley Regional Water Quality Control Board(CVRWQCB) on February 24, 1994. As you recall the AFC for the project calls for the wastewater to be discharged to the Sacramento County Regional Sanitation District. The District has requested that we evaluate disposal alternatives because the discharge of cooling water does not routinely contain conventional pollutants which are treatable at the Regional Plant and the acceptance of additional salt loads to the Regional Plant which would tend to increase the overall concentration could compromise the Sanitation District reclamation capabilities.

Please telephone Diana Parker(916-732-6540) if you have any questions.

Sincerely,

Diana Parker for

Susan Strachan
Manager, Permitting & Licensing

Enclosure

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

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 February 25, 1994, I deposited copies of the attached copy of NPDES Permit Application submitted to the Central Valley Regional Water Quality Control Board for the Procter & 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.

Evangeline P. Parchamento
Signature

Attachment

Sacramento
Cogeneration
Authority
P.O. Box 15830, Sacramento, CA 95852-1830 · 916/732-5218
Procter & Gamble Cogeneration Project

SCA 94-016

February 24, 1994

Mr. Joseph J. Henao
Water Quality Control Engineer
Central Valley Regional Water Quality
Control Board
3443 Routier Road, Suite A
Sacramento, CA 95827-3098

NPDES PERMIT APPLICATION FOR THE WASTEWATER DISCHARGE OF THE PROPOSED PROCTER AND GAMBLE COGENERATION PROJECT

Dear Mr. Henao:

Please find enclosed an application for a NPDES Permit for the cooling wastewater from the proposed Procter and Gamble Cogeneration Project. The permit is being sought as a result of October 1993 correspondence(enclosed) from the Water Quality Division staff of the County of Sacramento Department of Public Works. The correspondence indicates that the Sacramento County Regional Sanitation District staff concludes that the discharge of cooling water does not routinely contain conventional pollutants which are treatable at the Regional Plant, that the acceptance of additional salt loads to the Regional Plant which would tend to increase the overall concentration could compromise the Sanitation District reclamation capabilities, and that viable discharge options exist. The Sacramento Cogeneration Authority concurs that the wastewater from the cogeneration plant doesn't contain constituents that are treated by the Sanitation District and believes that discharging to Morrison Creek is an appropriate alternative.

We look forward to working with you during the processing of the permit. I shall be telephoning you soon to schedule an appointment to review the application and solicit your comments. Please call me at 916-732-6540 if you have any questions or need additional information.

With Regards,

Diana Parker

Diana Parker
Environmental Specialist

Enclosures(2)

bcc: J. Glaubitz
J. Larsen
S. Strachan
C. Taylor
D. Thorpe
Chron File
Corp File

COUNTY OF SACRAMENTO

WATER QUALITY DIVISION
ROBERT F. SHANKS, Chief

COLLECTION SYSTEM, R. BEDEGREW
ENGINEERING, MICHAEL A. MAGGI
TREATMENT PLANT, W.H. KIDO

DEPARTMENT OF PUBLIC WORKS
DOUGLAS M. FRALEIGH, Director
W.H. HARADA, Deputy Director
F.I. HODGKINS, Deputy Director
ROBERT T. TICE, Deputy Director

SMUD
Procter & Gamble Project
RECEIVED 10/12/93
DISTRIBUTION | SECTION | SIGNOFF
PROJECT October 7 1993
ENVIRONMENTAL I550.000
COST ACCOUNTING
ENGINEERING DT
CONTRACT ADMIN. PAJ
SS
PO Whitney
EM PAJ
FILE NO. COAP

Mr. John Larsen
Sacramento Municipal Utility District
6201 S Street
Box 15830
Sacramento, CA 95852-1830

SUBJECT: WASTEWATER DISCHARGE FROM PROPOSED SMUD COGENERATION PLANTS TO THE SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT

Based on recent discussion with you and the SMUD consultants it is staff understanding that there are two cogeneration projects currently applying for certification through the California Energy Commission for construction and operation in the District service area. These are the facilities to be located at the Campbell Soup and Procter & Gamble sites. In the past few months, staff has met with you and the consultants and discussed, on a preliminary basis, the potential for discharge of wastewater generated from these facilities to the sanitary sewer. In addition, the consultants (Black & Veatch: P&G site; Malcolm Pierny: Campbell Soup site) have been given wastewater discharge applications which when filed will initiate a formal review process.

Throughout these discussions the issue of the discharge of total dissolved solids (TDS) has been referenced. Recently staff held a meeting internally to discuss TDS loadings and develop a policy approach. Staff determinations specific to the subject projects are detailed in the attached report.

In summary, the District concludes that the discharge of cooling water does not routinely contain conventional pollutants which are treatable at the Regional Plant and viable discharge alternatives exist. In addition, the Regional Plant influent/effluent is currently approaching a critical concentration of TDS and the acceptance of additional salt loads which would tend to increase the overall concentration could compromise the District reclamation capabilities. Therefore, prior to any further evaluation of sewer discharge, SMUD should formally investigate alternative disposal options, notably a direct discharge to surface water.

The projects will need appropriate sewer disposal for domestic waste associated with the facilities and discussions on this aspect can proceed as needed.

If you have any questions or comments or would like to arrange a meeting to discuss these issue further, please contact me at 855-8454.

Sincerely,

Glen Del Sarto
Industrial Waste Program Manager

cc: James O Connor, Black & Veatch
John McNaboe, Siemens

SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT
STAFF REPORT

SUBJECT: SMUD COGENERATION PLANTS DISCHARGE TO THE REGIONAL PLANT AND TDS LOADING

Proposed Discharge.

During the past few months SMUD has questioned staff as to the possibility of discharging wastewater related to the operation of two cogeneration facilities to be located in Sacramento. The facilities are to be located adjacent to the Campbell Soup and P&G manufacturing sites. The SMUD representatives have been issued applications for wastewater discharge permits, however no formal application has been filed, hence all information in this report is based on preliminary information supplied by SMUD.

It is staff understanding that the main wastestreams associated with these projects are noncontact cooling tower wastewater and blowdown. Depending upon the cycling regime of water through the towers, the **concentration** of total dissolved solids (TDS) can very considerably. However, a working concentration appears to be 2000 ppm. The projects may discharge from 250,000 - 600,000 gallons per day of this wastewater.

TDS Loadings to the Regional Treatment Plant.

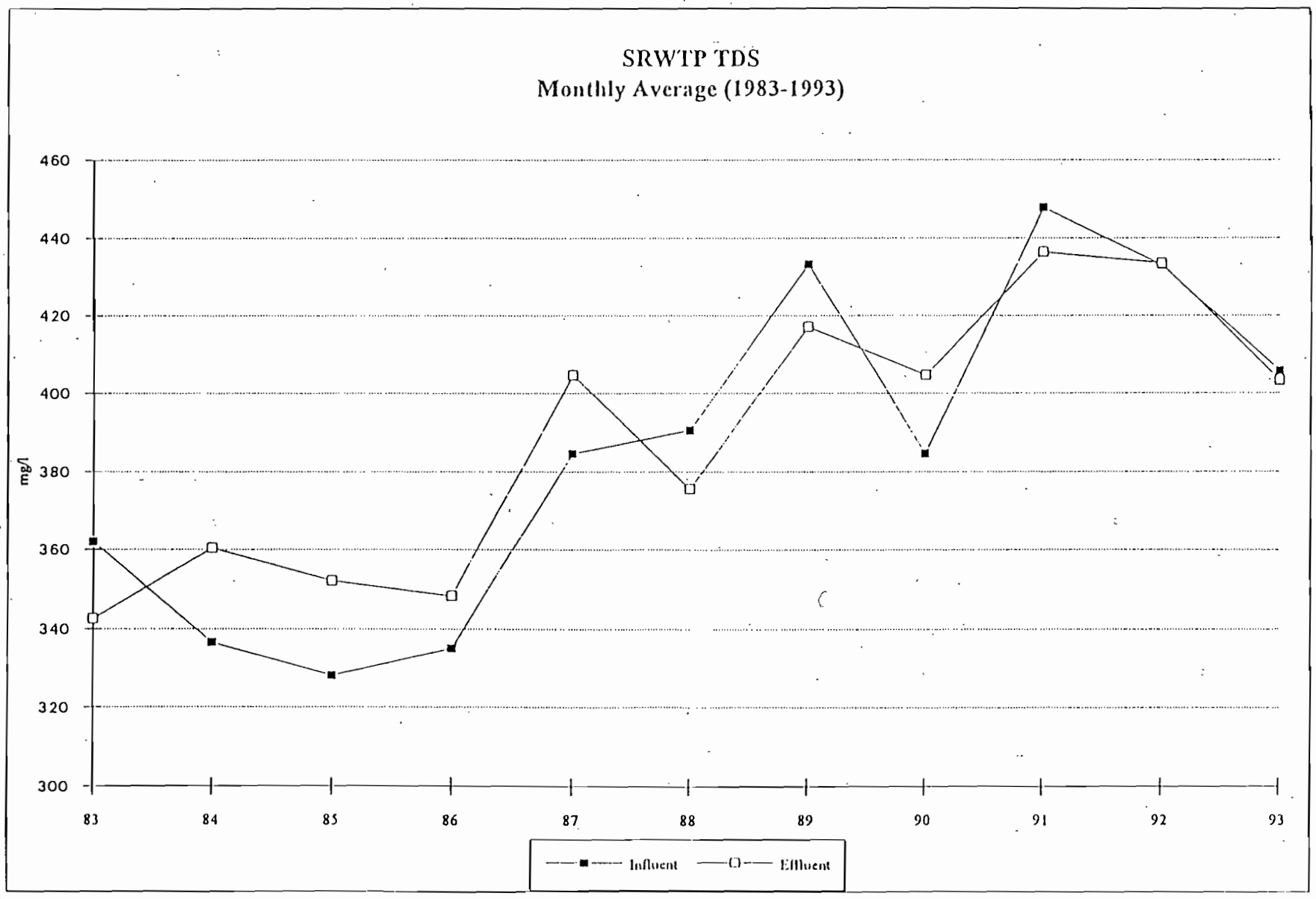
The District is developing a program to use Regional Plant effluent for reclamation uses. **The District consultant has established an Regional Plant influent/effluent criteria of 450 ppm TDS.** The Regional Plant is not designed to treat for TDS removal and there is no plan to do so in the future. The three year average influent concentration for TDS (1990 - 1993) is 420 ppm (Attachment 1). The average for 1991 was 448 ppm, just slightly below the critical concentration.

Since TDS has only recently manifested as a pollutant of concern, the District is lacking information on contributing sources in the service area (industrial, commercial, residential) and hence unable to identify trends or definite control measures. The TDS loadings to the treatment plant have steadily increased (Attachment 2). It appears that the increase in flows to the treatment plant over the past three years have resulted in the recent concentration decline. However, increased water

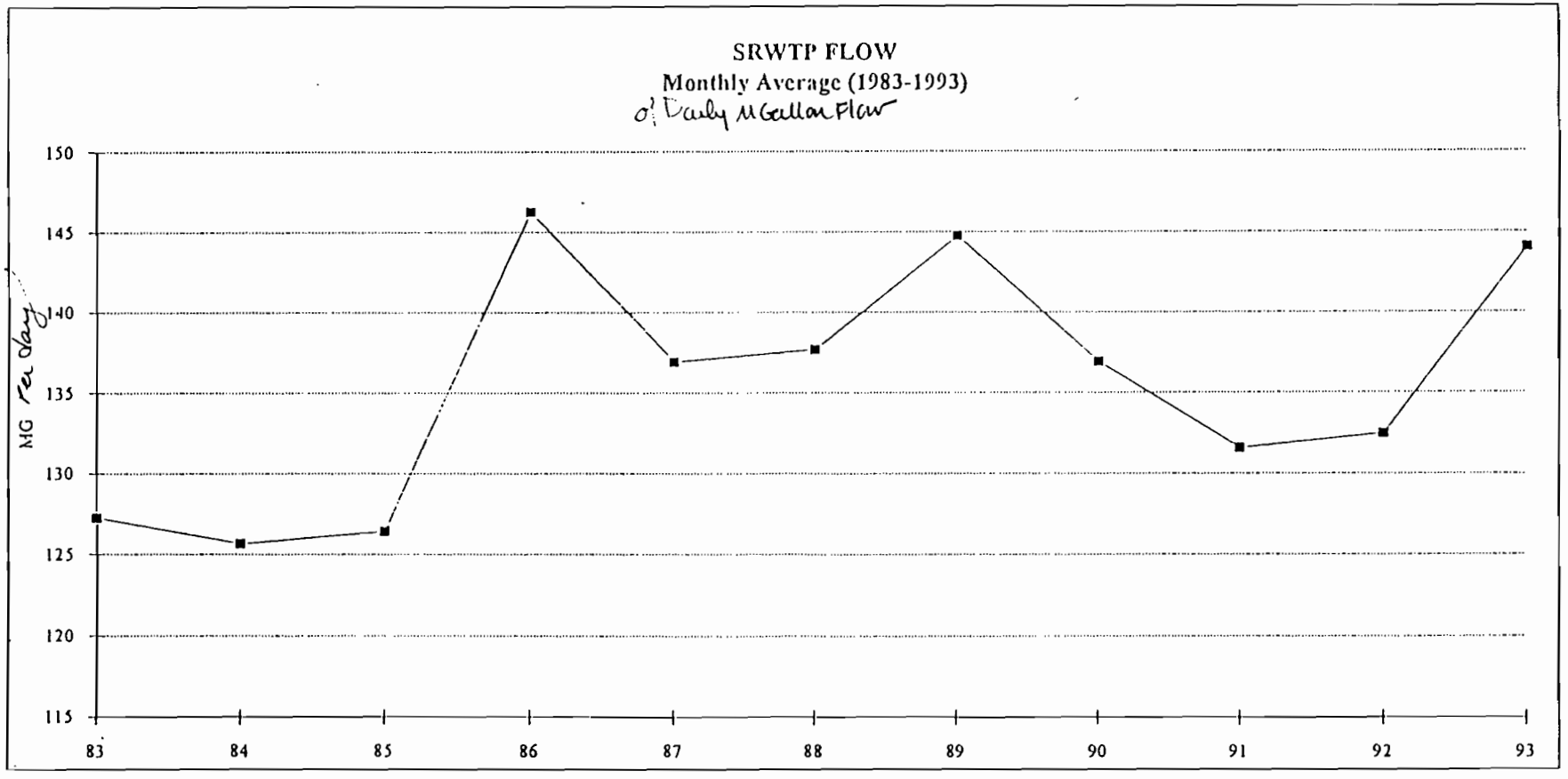
- Certain process generate loadings of conventional pollutants in addition to TDS and these are limited to alternative disposal options other than the sanitary sewer. However, wastestream segregation and pretreatment for salt removal prior to sewer discharge may be necessary in the future.

- The main wastewater stream generated by cogeneration facilities is cooling tower wastewater and is relatively low in conventional pollutants, however the process has the potential to discharge relatively large loadings of salts.

- The current concentration acceptable for discharge to the Regional Plant is conceptually less restrictive then a direct discharge to receiving water. The sewerage system only functions as a conduit to the Sacramento River, since no treatment is afforded. Therefore direct discharge to receiving water appears to be a viable option for disposal and should be pursued with the State Regional Water Quality Control Board.



AVGTDS.XLC 9/23/93


SRWTP FLOW
Monthly Average (1983-1993)
of Daily MGallon Flow
MG per day
150
145
140
135
130
125
120
115
83
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92
93

Please print or type in the unshaded areas only.
(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved. OMB No. 2040-0086. Approval expires 5-31-92.

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	X
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)			X

III. NAME OF FACILITY

1 SKIP: PROCTER AND GAMBLE COGENERATION STATION

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 LARSEN, JOHN PROJECT MANAGER	916 732 6703

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 PO BOX 15830

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 SACRAMENTO	CA	95852

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 83rd ST @ 24th AVENUE

B. COUNTY NAME

SACRAMENTO

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 SACRAMENTO	CA	95826	

CONTINUE ON REVERSE

Please type or print in the unshaded areas only

OMB No 2040-0086
Approval expires 7-31-88

Form 2D NPDES

EPA

New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number (list)	Latitude Deg	Min	Sec	Longitude Deg	Min	Sec	Receiving Water (name)
002	38	31	49	121	24	27	Receiving stream is the City of Sacramento storm drains located at intersection of 24th Ave. & 83rd Street. Storm drain lines are routed east along 24th Avenue to Sump No. 66, then flow southeast in an open channel to Morrison Creek. Morrison Creek drains to the Sacramento River. (See Attachment C)

II. Discharge Date (When do you expect to begin discharging?)

October 15, 1996

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow (list)	2. Average Flow (include units)	3. Treatment (Description or List Codes from Table 2D-1)
002A	HRSG BLOWDOWN	10 GPM	*
002B	COOLING TOWER BLOWDOWN	60 GPM	*
002C	NEUTRALIZATION FACILITY EFFLUENT	45 GPM	2-K*
002D	PLANT EQUIPMENT DRAINS	30 GPM	1-H*
002	WASTEWATER COLLECTION	145 GPM	4-A*

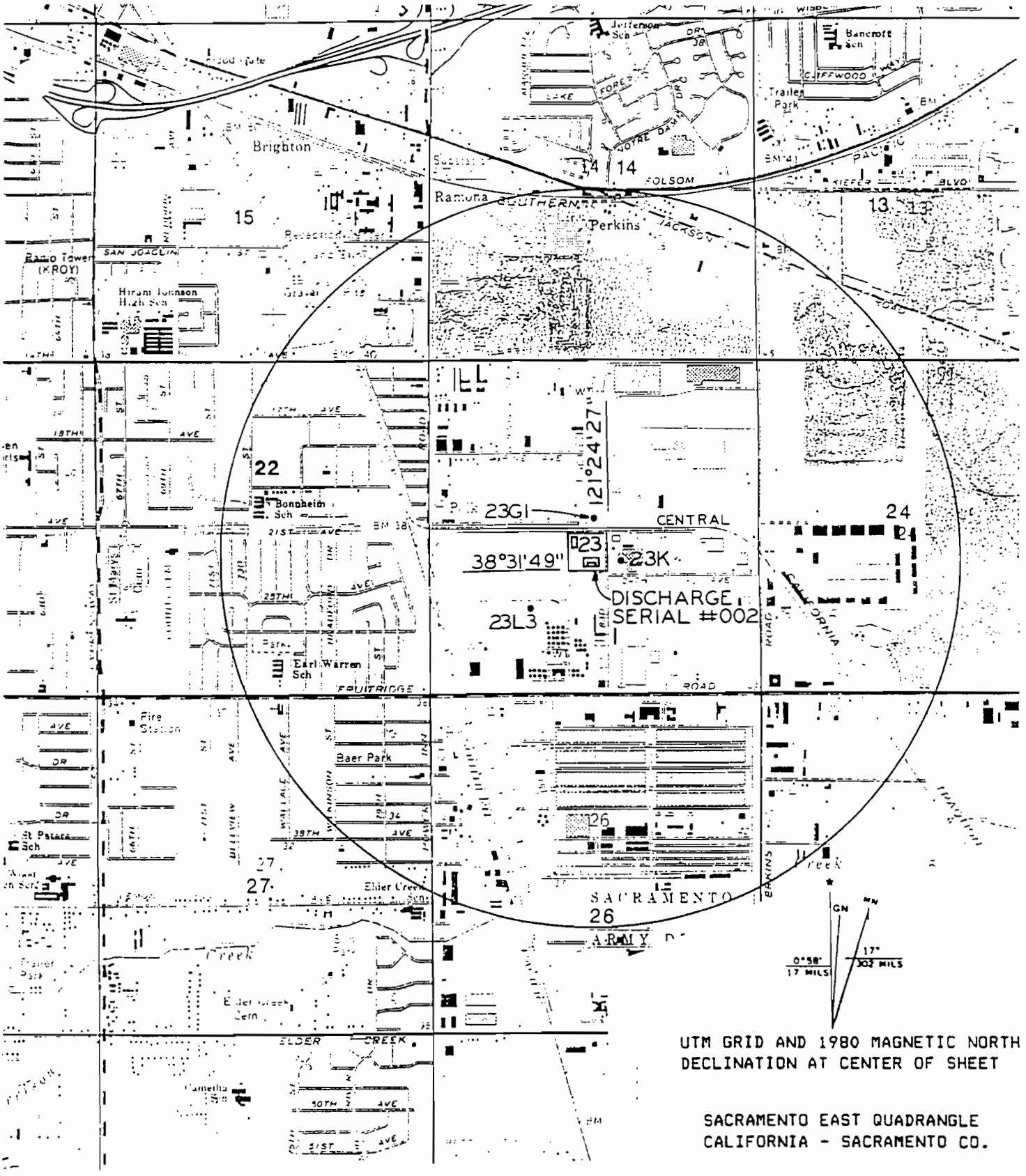
* See Attachment B which provides a narrative description of each stream.

DESCRIPTION OF CODES:

1-H OIL SEPARATION

2-K pH NEUTRALIZATION

4-A DISCHARGE TO SURFACE WATER



UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SACRAMENTO EAST QUADRANGLE
CALIFORNIA - SACRAMENTO CO.

SCALE 1:24000

0 2000'

WELL	OWNER	LOCATION
23K	WESTERN KRAFT PAPER CO.	270' N OF 24TH AVE 150' E OF 83RD ST
23L3	PROCTER & GAMBLE MFG. CO.	1680' E OF POWER INN RD 1400' N OF FRUITRIDGE RD
23G1	L. L. SAZZI	1/2 MI E OF POWER INN RD 100' N OF 21ST AVE

LOCATION MAP
SACRAMENTO COGENERATION AUTHORITY
PROCTER & GAMBLE COGENERATION PROJECT

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
4911 (specify) ELECTRIC SERVICES	7 (specify)
C. THIRD	**D. FOURTH**
7 (specify)	7 (specify)

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
8 SACRAMENTO COGENERATION AUTHORITY	☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)	D. PHONE (area code & no.)
F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC (other than federal or state); O = OTHER (specify)	M (specify) — A 9164523211

E. STREET OR P.O. BOX	
P O B O X 1 5 8 3 0	

F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
B SACRAMENTO	CA	95852	Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 NI NONE	9 PI NONE
B. UIC (Underground Injection of Fluids)	**E. OTHER (specify)**
9 UI NONE	9 NONE (specify)
C. RCRA (Hazardous Wastes)	**E. OTHER (specify)**
9 RI NONE	9 NONE (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

The plant will produce electric power and process steam. The project is a 171 MW combined cycle, cogeneration facility. The electric power will be sold to the Sacramento Municipal Utility District (SMUD) and process steam will be sold to Procter & Gamble.

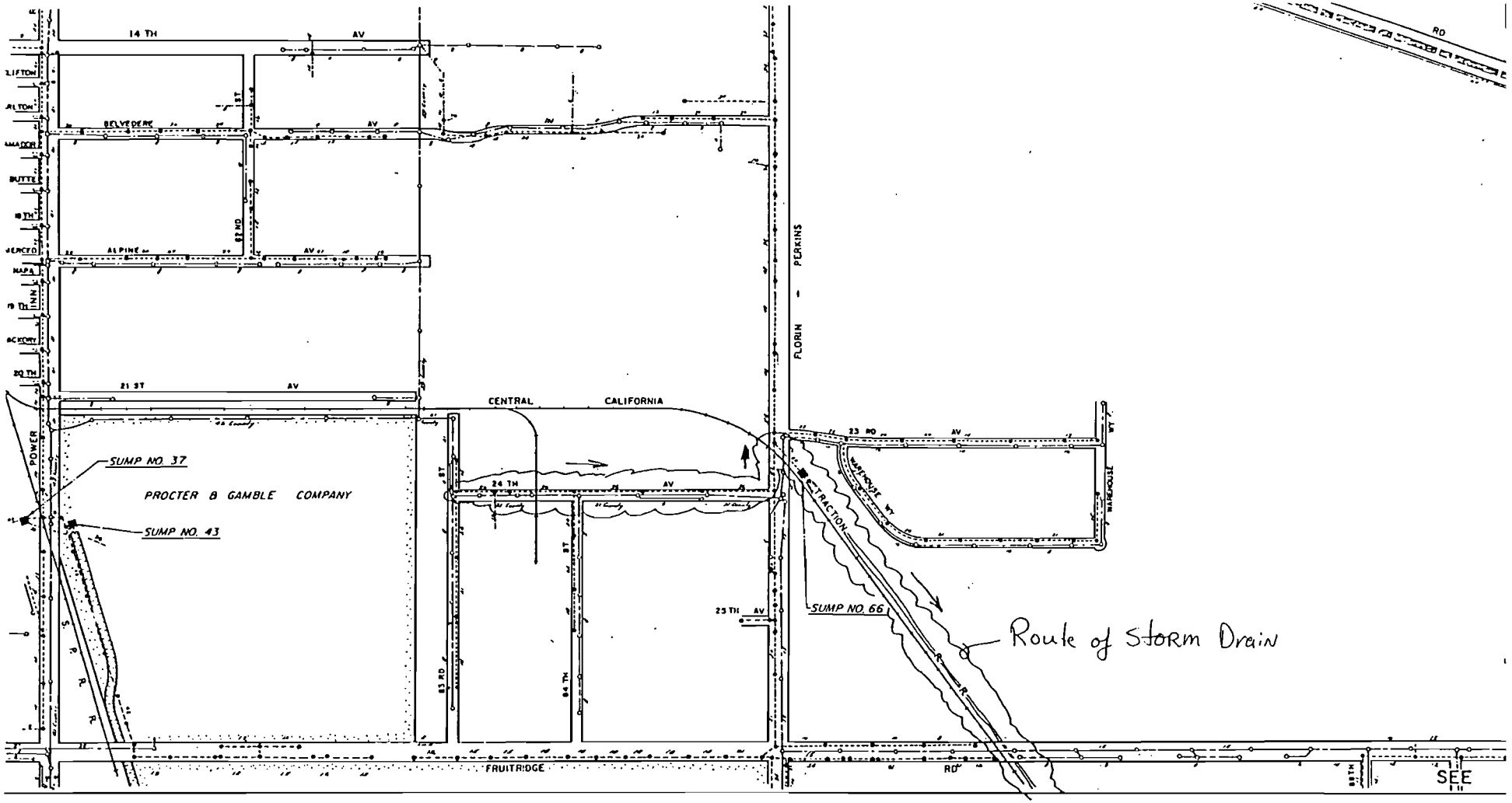
XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
COLIN TAYLOR DIRECTOR, PROJECTS DEVELOPMENT		2/24/94

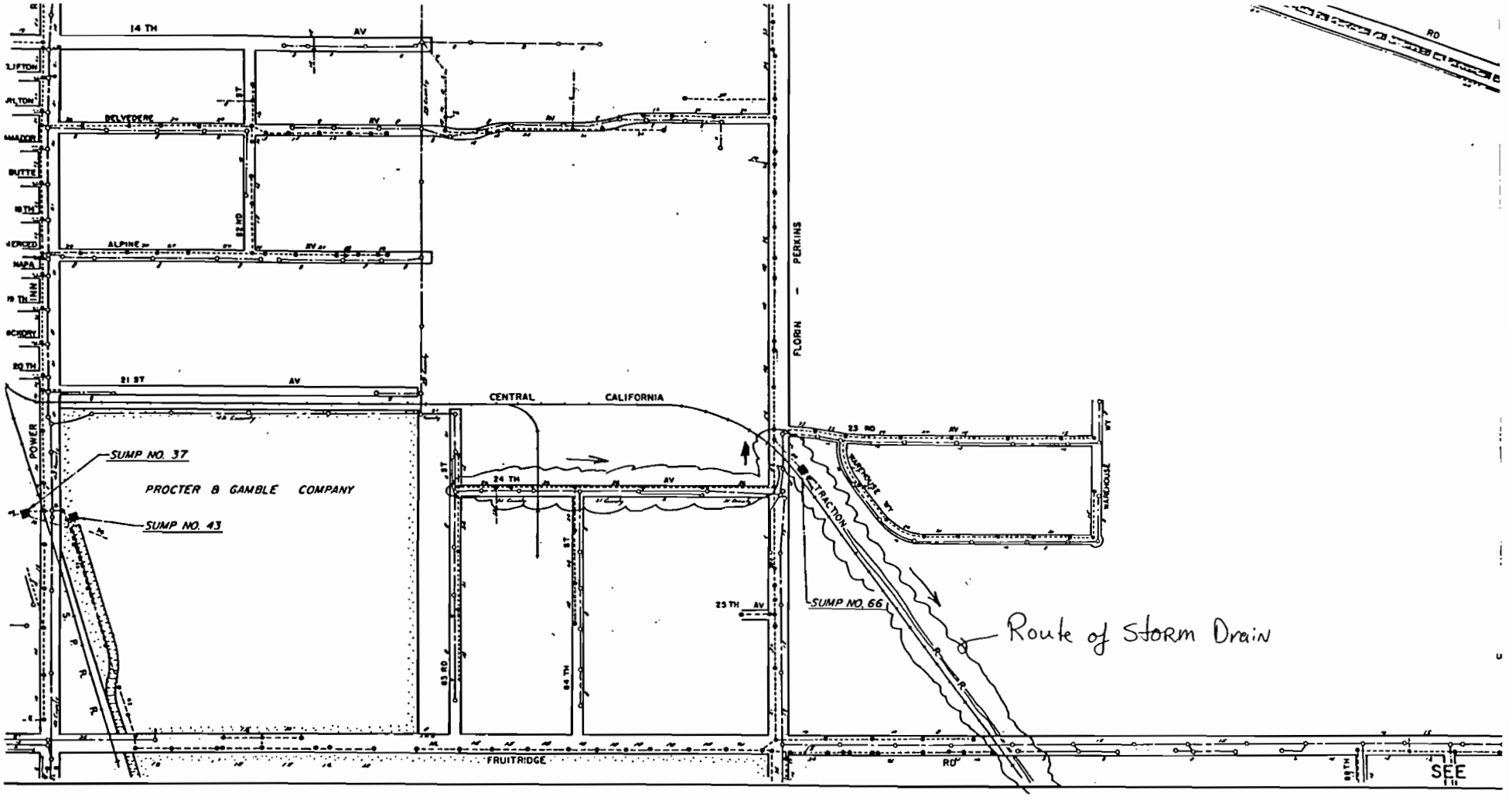
COMMENTS FOR OFFICIAL USE ONLY

C



Received from City of Sacramento
2/2/94 Jack Connor

Attachment C



Received from City of Sacramento
2/2/94 Jeff Connor

Attachment C

B. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item III-A. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

C. Except for storm runoff, leaks, or spills, will any of the discharges described in item III-A be intermittent or seasonal?

☐ Yes *(complete the following table)* ☒ No *(go to item IV)*

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*

IV. Production

If there is an applicable production-based effluent guideline or NSPS, for each outfall list the estimated level of production (projection of actual production level, not design), expressed in the terms and units used in the applicable effluent guideline or NSPS, for each of the first 3 years of operation. If production is likely to vary, you may also submit alternative estimates (attach a separate sheet).

Year	a. Quantity Per Day	b. Units of Measure	c. Operation, Product, Material, etc *(specify)*
NO PRODUCTION-BASED EFFLUENT GUIDELINE.			

23933-031-W B
13903EVANS ACAD 12_c1b
OUTLINE 1=1
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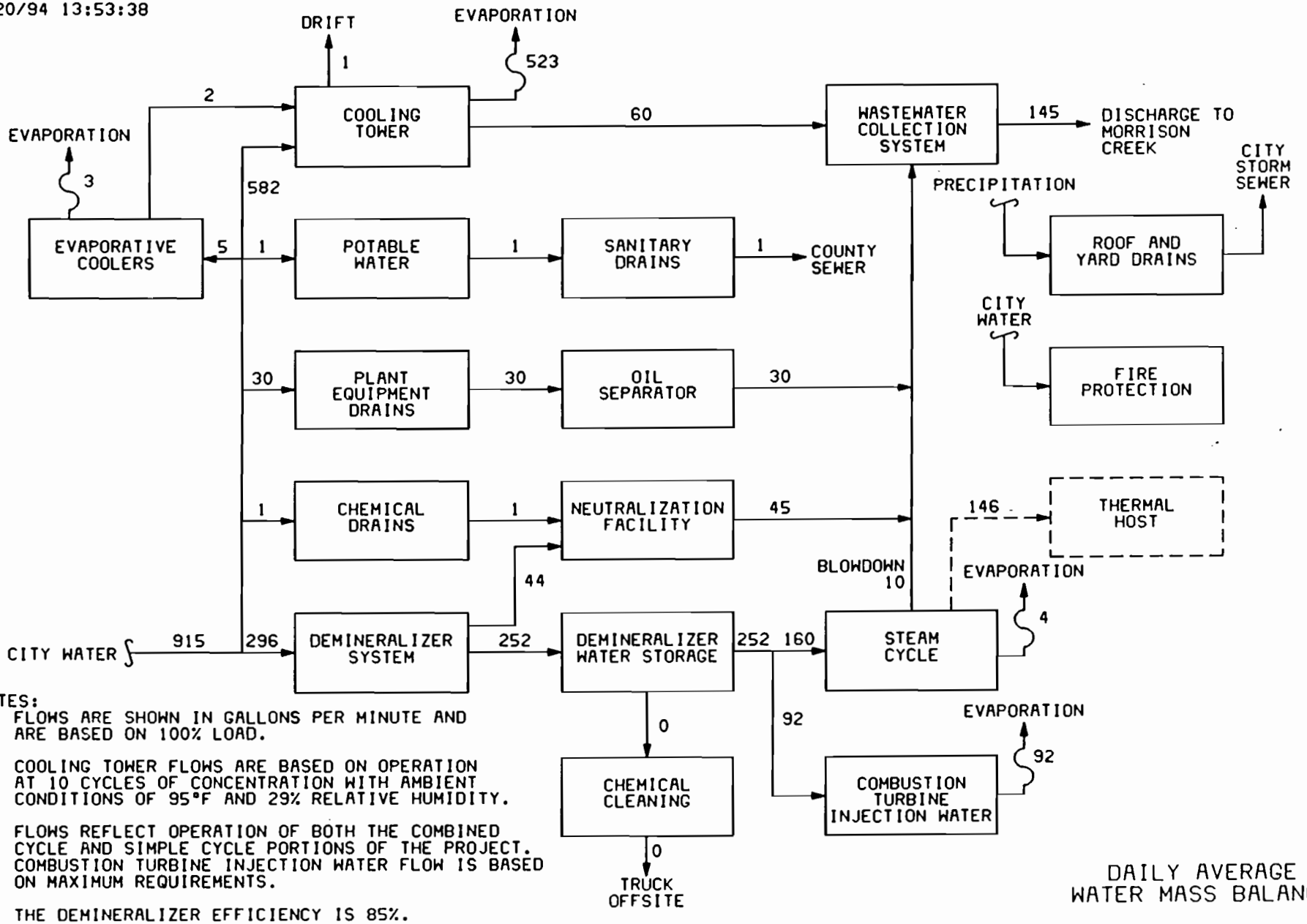

NOTES:
1. FLOWS ARE SHOWN IN GALLONS PER MINUTE AND ARE BASED ON 100% LOAD.
2. COOLING TOWER FLOWS ARE BASED ON OPERATION AT 10 CYCLES OF CONCENTRATION WITH AMBIENT CONDITIONS OF 95°F AND 29% RELATIVE HUMIDITY.
3. FLOWS REFLECT OPERATION OF BOTH THE COMBINED CYCLE AND SIMPLE CYCLE PORTIONS OF THE PROJECT. COMBUSTION TURBINE INJECTION WATER FLOW IS BASED ON MAXIMUM REQUIREMENTS.
4. THE DEMINERALIZER EFFICIENCY IS 85%.
5. COGENERATION STEAM FLOW IS BASED ON AVERAGE REQUIREMENTS.

DAILY AVERAGE
WATER MASS BALANCE

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
		002-WASTEWATER COLLECTION

V. Effluent Characteristics

A. and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP A			
FLOW	334,080 gpd	208,800 gpd	4
BOD	*	*	4
COD	*	*	4
TOC	*	*	4
TSS	45 mg/l (57 kg)	30 mg/l (24 kg)	4
TEMP (WINTER)	120° F	80° F	4
TEMP (SUMMER)	125° F	100° F	4
pH	7.2 to 8.4	8.0	4
AMMONIA (as N)	1.0 mg/l	0.5 mg/l	4

* Constituent is present only to the extent it is present in the water supply. The plant processes do not add to the mass of the constituent in this wastewater. The cooling tower process may reduce the level of this constituent.

CONTINUED FROM THE FRONT | EPA ID Number (copy from Item 1 of Form 1) | Outfall Number 002 - WASTEWATER COLLECTION

V. Effluent Characteristics

A. and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
GROUP B			
TOTAL RESIDUAL CHLORINE	0.5 mg/l (126 g)	0.0 mg/l	4
FLUORIDE*	0.68 mg/l (860 g)	0.0 mg/l	4
NITRATE-NITRITE (AS N)*	5.8 mg/l (7.3 kg)	2.8 mg/l (2.2 kg)	4
SULFATE (AS SO_4)	1750 mg/l (2213 kg)	1450 mg/l (1146 kg)	4
MAGNESIUM, TOTAL	50 mg/l (63 kg)	40 mg/l (32 kg)	4
CHROMIUM, TOTAL	0.007 mg/l (8.9 g)	0.006 mg/l (4.7 g)	4
ARSENIC, TOTAL	0.008 mg/l (10 g)	0.007 mg/l (5.5 g)	4
COPPER, TOTAL	0.05 mg/l (63 g)	0.045 mg/l (36 g)	4
DICHLOROBROMOMETHANE	0.02 mg/l (25 g)	0.017 mg/l (13 g)	4
CHLOROFORM	0.35 mg/l (.443g)	0.269 mg/l (213 g)	4
OIL AND GREASE	15 mg/l (19 kg)	3 mg/l (2.4 kg)	4

*BASED ON THE CONCENTRATION OF CONSTITUENTS FROM 1991-92 OPERATIONAL DATA PROVIDED BY CITY OF SACRAMENTO DEPARTMENT OF UTILITIES FOR THE SACRAMENTO RIVER WATER TREATMENT PLANT AND THE E. A. FAIRBAIRN WATER TREATMENT PLANT.

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
		002A HRSG BLOWDOWN

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP A			
FLOW	14,400 gpd	14,400 gpd	4
BOD	0.0 mg/l	0.0 mg/l	4
COD	0.0 mg/l	0.0 mg/l	4
TOC	0.0 mg/l	0.0 mg/l	4
TSS	<5 mg/l (272 g)	<5 mg/l (272 g)	4
TEMP (WINTER)	212° F	212° F	4
TEMP (SUMMER)	212° F	212° F	4
pH	9.0 to 10.0	9.2 - 9.7	4
AMMONIA (AS N)	0.0 mg/l	0.0 mg/l	4

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
		002A - HRSG BLOWDOWN

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP B			
NITRATE-NITRITE (AS N)	0.0 mg/l	0.0 mg/l	4
PHOSPHORUS (AS P), TOTAL	1.0 mg/l (55 g)	0.6 mg/l (33 g)	4
SULFATE (AS SO_4)	0.0 mg/l	0.0 mg/l	4
MAGENSIUM	0.0 mg/l	0.0 mg/l	4
CHROMIUM, TOTAL	0.0 mg/l	0.0 mg/l	4
ARSENIC, TOTAL	0.0 mg/l	0.0 mg/l	4
COPPER, TOTAL	0.0 mg/l	0.0 mg/l	4
DICHLOROBROMOMETHANE	0.0 mg/l	0.0 mg/l	4
CHLOROFORM	0.0 mg/l	0.0 mg/l	4

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
		002 B- COOLING TOWER BLOWI

V. Effluent Characteristics

A. and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP A			
FLOW	144,000 gpd	86,400 gpd	4
BOD	*	*	4
COD	*	*	4
TOC	*	*	4
TSS	45 mg/l (25 kg)	30 mg/l (9.8 kg)	4
TEMP (WINTER)	120° F	80° F	4
TEMP (SUMMER)	125° F	100° F	4
pH	7.5 to 8.5	8.0 to 8.5	4
AMMONIA (AS N)	0.0 mg/l	0.0 mg/l	4

* Constituent is present only to the extent it is present in the water supply. The plant processes do not add to the mass of the constituent in this wastewater. The cooling tower process may reduce the level of this constituent.

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number 002 B-COOLING TOWER BLOWDOWN

V. Effluent Characteristics

A. and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP B			
TOTAL RESIDUAL CHLORINE	1.0 mg/l (136 g)	0.1 mg/l (8.2 g)	4
FLUORIDE*	1.4 mg/l (763 g)	0.0 mg/l	4
NITRATE-NITRITE (AS N)*	12 mg/l (6.5 kg)	6.0 mg/l (2.0 kg)	4
SULFATE (AS SO_4)	600 mg/l (327 kg)	500 mg/l (164 kg)	4
MAGNESIUM, TOTAL	75 mg/l (41 kg)	60 mg/l (20 kg)	4
CHROMIUM, TOTAL **	0.05 mg/l (27 g)	0.01 mg/l (3.3 g)	4
ARSENIC, TOTAL **	0.05 mg/l (27 g)	0.01 mg/l (3.3 g)	4
COPPER, TOTAL **	0.1 mg/l (55 g)	0.07 mg/l (23 g)	4
DICHLOROBROMOMETHANE **	0.05 mg/l (27 g)	0.03 mg/l (9.8 g)	4
CHLOROFORM **	0.60 mg/l (327 g)	0.42 mg/l (137 g)	4

*BASED ON THE CONCENTRATION OF CONSTITUENTS FROM 1991-92 OPERATIONS DATA PROVIDED BY CITY OF SACRAMENTO DEPARTMENT OF UTILITIES FOR THE SACRAMENTO RIVER WATER TREATMENT PLANT AND THE E.A. FAIRBAIRN WATER TREATMENT PLANT.

**BASED ON SAMPLE OF CITY WATER PG-1, ANALYSES ATTACHED.

CONSTITUENTS MARKED WITH * OR ** ARE PRESENT ONLY TO THE EXTENT THEY ARE PRESENT IN THE WATER SUPPLY. THE PLANT PROCESSES DO NOT ADD TO THE MASS OF THE CONSTITUENT IN THIS WASTEWATER.

CONTINUED FROM THE FRONT	EPA ID Number (copy from Item 1 of Form 1)	Outfall Number NEUTRALIZATION 002 C-FACILITY EFFLUENT

V. Effluent Characteristics

A. and B. These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4 Source *(see instructions)*
GROUP A			
FLOW**	89,280 gpd	64,800 gpd	4
BOD	*	*	4
COD	*	*	4
TOC	*	*	4
TSS	45 mg/l (15.2 kg)	30 mg/l (7.4 kg)	4
TEMP (WINTER)	90° F	80° F	4
TEMP (SUMMER)	100° F	85° F	4
pH	6.0 to 9.0	6.5	4
AMMONIA (AS N)	0.0 mg/l	0.0 mg/l	4

*CONSTITUENT IS PRESENT ONLY TO THE EXTENT IT IS PRESENT IN THE WATER SUPPLY. THE PLANT PROCESSES DO NOT ADD TO THE MASS OF THE CONSTITUENT IN THIS WASTEWATER.

**THIS IS A BATCH PROCESS. MAXIMUM DISCHARGE OCCURS WHEN NEUTRALIZATION FACILITY TRANSFER PUMPS ARE OPERATING.

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number 002 C NEUTRALIZATION FACILITY EFFLUENT

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP B			
TOTAL RESIDUAL CHLORINE	0.1 mg/l (33.7 g)	0.0 mg/l	4
FLUORIDE*	0.14 mg/l (47.3 g)	0.0 mg/l	4
NITRATE-NITRITE (AS N)*	1.2 mg/l (406 g)	0.6 mg/l (147 g)	4
SULFATE (AS SO_4)	4700 mg/l (1588 kg)	3900 mg/l (957 kg)	4
MAGNESIUM, TOTAL	50 mg/l (16.9 kg)	40 mg/l (9.8 kg)	4
CHROMIUM, TOTAL**	0.01 mg/l (3.4 g)	.007 mg/l (1.7 g)	4
ARSENIC, TOTAL**	0.01 mg/l (3.4 g)	.008 mg/l (2.0 g)	4
COPPER, TOTAL**	0.06 mg/l (20 g)	0.05 mg/l (12.3 g)	4
DICHLOROBROMOMETHANE**	0.03 mg/l (10 g)	0.02 mg/l (4.9 g)	4
CHLOROFORM**	0.35 mg/l (118 g)	0.27 mg/l (66 g)	4

*BASED ON THE CONCENTRATION OF CONSTITUENTS FROM 1991-92 OPERATIONAL DATA PROVIDED BY CITY OF SACRAMENTO DEPARTMENT OF UTILITIES FOR THE SACRAMENTO RIVER WATER TREATMENT PLANT AND THE E. A. FAIRBAIRN WATER TREATMENT PLANT.

**BASED ON SAMPLE PG-1, CITY WATER, ANALYSES ATTACHED.

CONSTITUENTS MARKED WITH * OR ** ARE PRESENT ONLY TO THE EXTENT THEY ARE PRESENT IN THE WATER SUPPLY. THE PLANT PROCESSES DO NOT ADD TO THE MASS OF THE CONSTITUENTS IN THIS WASTEWATER.

CONTINUED FROM THE FRONT	EPA ID Number (copy from Item 1 of Form 1)	Outfall Number 002 D-PLANT EQUIPMENT DRAI

V. Effluent Characteristics

A. and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP A			
FLOW	86,400 gpd	43,200 gpd	4
BOD	*	*	4
COD	*	*	4
TOC	*	*	4
TSS	45 mg/l. (14.8 g)	30 mg/l 4.9 g)	4
TEMP (WINTER)	75° F	65° F	4
TEMP (SUMMER)	80° F	70° F	4
pH	6.0 to 9.0	7.5	4
AMMONIA (AS N)	0.0 mg/l	0.0 mg/l	4

*CONSTITUENT IS PRESENT ONLY TO THE EXTENT IT IS PRESENT IN THE WATER SUPPLY. THE PLANT PROCESSES DO NOT ADD TO THE MASS OF THE CONSTITUENT IN THIS WASTEWATER.

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number 002D PLANT EQUIPMENT DRAINS

V. Effluent Characteristics

A. and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
GROUP B			
TOTAL RESIDUAL CHLORINE	0.1 mg/l (32.7 g)	0.0 mg/l	4
FLUORIDE*	0.14 mg/l (45.8 g)	0.0 mg/l	4
NITRATE-NITRITE (AS N)*	1.2 mg/l (392 g)	0.6 mg/l (98 g)	4
SULFATE (AS SO_4)	20 mg/l (6.5 kg)	16 mg/l (2.6 kg)	4
MAGNESIUM, TOTAL	7 mg/l (2.3 kg)	6 mg/l (981 g)	4
CHROMIUM, TOTAL	.002 mg/l (0.7 g)	.001 mg/l (0.2 g)	4
ARSENIC, TOTAL	.002 mg/l (0.7 g)	.001 mg/l (0.2 g)	4
COPPER, TOTAL	.01 mg/l (3.3 g)	.007 mg/l (1.1 g)	4
DICHLOROBROMOMETHANE	.005 mg/l (1.6 g)	.003 mg/l (0.5 g)	4
CHLOROFORM	.05 mg/l (16.4 g)	0.042 mg/l (6.9 g)	4
OIL AND GREASE	15 mg/l (4.9 kg)	<15 mg/l (2.5 kg)	4

*BASED ON THE CONCENTRATION OF CONSTITUENTS FROM 1991-92 OPERATIONAL DATA PROVIDED BY CITY OF SACRAMENTO DEPARTMENT OF UTILITIES FOR THE SACRAMENTO RIVER WATER TREATMENT PLANT AND THE E. A. FAIRBAIRN WATER TREATMENT PLANT.

**BASED ON SAMPLE PG-1, CITY WATER, ANALYSIS ATTACHED.

CONSTITUENTS MARKED WITH * OR ** ARE PRESENT ONLY TO THE EXTENT THEY ARE PRESENT IN THE WATER SUPPLY. THE PLANT PROCESSES DO NOT ADD TO THE MASS OF THE CONSTITUENTS IN THE WATER.

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	

C. Use the space below to list any of the pollutants listed in Table 2D-3 of the instructions which you know or have reason to believe will be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it will be present.

1. Pollutant	2. Reason for Discharge
NONE BELIEVED TO BE PRESENT IN ANY OF THE OUTFALLS.	

VI. Engineering Report on Wastewater Treatment

A. If there is any technical evaluation concerning your wastewater treatment, including engineering reports or pilot plant studies, check the appropriate box below.

☐ Report Available ☒ No Report

B. Provide the name and location of any existing plant(s) which, to the best of your knowledge, resembles this production facility with respect to production processes, wastewater constituents, or wastewater treatments.

Name	Location
THIS PLANT IS NOT EXACTLY LIKE ANY EXISTING PLANTS. THE WASTEWATER TREATMENT AND WASTEWATER CONSTITUENTS ARE EXPECTED TO BE SIMILAR TO A TYPICAL POWER PLANT WHICH USES CITY WATER AS PLANT WATER SOURCE.	

EPA ID Number *(copy from item one of Form 1)*

VII. Other Information *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations for the proposed facility. Attach additional sheets if necessary.

VIII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name and Official Title *(type or print)*	B. Phone No.
COLIN TAYLOR DIRECTOR, PROJECTS DEVELOPMENT	916 732-6724
C. Signature C Taylor	D. Date Signed 2/24/94

TWINING LABORATORIES, INC.
ANALYTICAL CHEMISTRY • ENVIRONMENTAL SERVICES
GEOTECHNICAL ENGINEERING • DRILLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

REPORT DATE : December 17, 1993 INVOICE #12199
LABORATORY ID: 693-6345.1 **AMENDED REPORT** PAGE 1 of 48

DATE SAMPLED : 11-10-93 at 1400 by L. Maier
DATE RECEIVED: 11-11-93 at 1040 from L. Maier

ATTENTION : Lonn Maier
CLIENT SMUD Projects Development
P.O. Box 15830; MS 37
Sacramento, CA 95852-1830

PROJECT : Procter & Gamble Cogen
PROJECT MGR : John Larsen

ANALYZED BY : L. Houser
REVIEWED BY : R. Stafford

DATE ANALYZED: 11-24-93

CLIENT SAMPLE ID: PG-1 SAMPLE TYPE: Drinking Water

PURGEABLE HALOCARBONS METHOD: EPA 601

CONSTITUENT	RESULT (ug/L)	DLR (ug/L)	CONSTITUENT	RESULT (ug/L)	DLR (ug/L)
Bromodichloromethane	2.6	0.5	1,2-Dichloroethane	ND	0.5
Bromoform	ND	0.5	1,1-Dichloroethylene	ND	0.5
Bromomethane	ND	1.0	trans-1,2-Dichloroethylene	ND	0.5
Carbon Tetrachloride	ND	0.5	1,2-Dichloropropane	ND	0.5
Chlorobenzene	ND	0.5	cis-1,3-Dichloropropene	ND	0.5
Chloroethane	ND	1.0	trans-1,3-Dichloropropene	ND	0.5
2-Chloroethylvinyl ether	ND	1.0	Methylene Chloride	ND	3.0
Chloroform	42	0.5	1,1,2,2-Tetrachloroethane	ND	0.5
Chloromethane	ND	1.0	Tetrachloroethylene	ND	0.5
Dibromochloromethane	ND	0.5	1,1,1-Trichloroethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5	1,1,2-Trichloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Trichloroethylene	ND	0.5
1,4-Diphlorobenzene	ND	0.5	Trichlorofluoromethane	ND	0.5
Dichlorodifluoromethane	ND	1.0	Vinyl Chloride	ND	0.5
1,1-Dichloroethane	ND	0.5			

CALIFORNIA DEPARTMENT OF HEALTH SERVICES CERTIFICATE NO. 1371
ug/L: micrograms per Liter (parts per billion) DLR : Detection Limit for Reporting purposes
ND : None Detected
mrl

Robert B. Flay, Ph.D.
Vice President
Chemistry Division

Debra K. Lehman
QA Manager

Rev. 1 10/91 (601)

TWINING LABORATORIES, INC
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ANALYTICAL CHEMISTRY · ENVIRONMENTAL SERVICES
GEOTECHNICAL ENGINEERING · DRILLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

REPORT DATE : November 30, 1993 INVOICE #12199
LABORATORY ID: 693-6345.1

DATE SAMPLED : 11-10-93 at 1400 by L. Maier
DATE RECEIVED: 11-11-93 at 1040 from L. Maier

ATTENTION : Lonn Maier
CLIENT SMUD Projects Development
P.O. Box 15830; MS 37
Sacramento, CA 95852-1830

PROJECT : Procter & Gamble Cogen
PROJECT MGR : John Larsen

ANALYZED BY : L. Houser
REVIEWED BY : R. Stafford

DATE ANALYZED: 11-24-93

CLIENT SAMPLE ID: PG-1 SAMPLE TYPE: Drinking Water

PURGEABLE AROMATICS **METHOD: EPA 602**

CONSTITUENT	RESULT (ug/L)	DLR (ug/L)
Benzene	ND	0.5
Chlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
Ethylbenzene	ND	0.5
Toluene	ND	0.5
Xylenes	ND	0.5

CALIFORNIA DEPARTMENT OF HEALTH SERVICES CERTIFICATE NO. 1371
ug/L : micrograms per Liter (parts per billion)
DLR: : Detection Limit for Reporting purposes
ND : None Detected

mrl

Robert B. Flay, Ph.D.
Vice President
Chemistry Division

Debra K. Lehman
QA Manager

Rev. 1 10/93 (602)

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TWINING LABORATORIES, INC
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ANALYTICAL CHEMISTRY · ENVIRONMENTAL SERVICES
GEOTECHNICAL ENGINEERING · DRILLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

REPORT DATE : November 30, 1993 INVOICE #12199
LABORATORY ID: 693-6345.1 PAGE 17 of 48

DATE SAMPLED : 11-10-93 at 1400 by L. Maier
DATE RECEIVED: 11-11-93 at 1040 from L. Maier

ATTENTION : Lonn Maier
CLIENT SMUD Projects Development
P.O. Box 15830; MS 37
Sacramento, CA 95852-1830

PROJECT : Procter & Gamble Cogen
PROJECT MGR : John Larsen

ANALYZED BY : B. Meadows
REVIEWED BY : R. Stafford

DATE PREPARED: 11-11-93
DATE ANALYZED: 11-15-93
CLIENT SAMPLE ID: PG-1 SAMPLE TYPE: Drinking Water

ORGANOCHLORINE PESTICIDES **METHOD: EPA 608**

CONSTITUENT	RESULT (ug/L)	DLR (ug/L)
Aldrin	ND	0.25
alpha BHC	ND	0.25
beta BHC	ND	0.25
delta BHC	ND	0.25
gamma BHC (Lindane)	ND	0.25
Chlordane	ND	2.5
p,p-DDD	ND	0.25
p,p-DDE	ND	0.25
p,p-DDT	ND	0.25
Dieldrin	ND	0.25
Endrin	ND	0.25
Endrin Aldehyde	ND	0.25
Endosulfan I	ND	0.25
Endosulfan II	ND	0.25
Endosulfan Sulfate	ND	0.25
Heptachlor	ND	0.25
Heptachlor Epoxide	ND	0.25
Methoxychlor	ND	0.25
PCB	ND	2.5
Toxaphene	ND	2.5

CALIFORNIA DEPARTMENT OF HEALTH SERVICES CERTIFICATE NO. 1371
ug/L : micrograms per Liter (parts per billion) DLR: Detection Limit for Reporting purposes
ND : None Detected
mrl

Robert B. Flay, Ph.D.
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Rev. 1 8/93 (608)

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GEOTECHNICAL ENGINEERING · DRILLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

REPORT DATE : November 30, 1993 INVOICE #12199
LABORATORY ID: 693-6345.1 PAGE 25 of 48

DATE SAMPLED : 11-10-93 at 1400 by L. Maier
DATE RECEIVED: 11-11-93 at 1040 from L. Maier

ATTENTION : Lonn Maier
CLIENT SMUD Projects Development
P.O. Box 15830; MS 37
Sacramento, CA 95852-1830

PROJECT : Procter & Gamble Cogen
PROJECT MGR : John Larsen

ANALYZED BY : S. King
REVIEWED BY : R. Stafford
DATE PREPARED: 11-17-93
DATE ANALYZED: 11-24-93

CLIENT SAMPLE ID: PG-1 SAMPLE TYPE: Drinking Water

ACID & BASE/NEUTRAL ORGANICS
METHOD: EPA 625 (PART A)

CONSTITUENT	RESULT (ug/L)	DLR (ug/L)	CONSTITUENT	RESULT (ug/L)	DLR (ug/L)
Acenaphthene	ND	10	2-Chloronaphthalene	ND	10
Acenaphthylene	ND	10	4-Chloro-3-methylphenol	ND	10
Aniline	ND	10	2-Chlorophenol	ND	10
Anthracene	ND	10	4-Chlorophenyl phenyl ether	ND	10
Benzidine	ND	20	Chrysene	ND	10
Benzoic Acid	ND	10	Dibenzo (a,h) Anthracene	ND	10
Benzo (a) anthracene	ND	10	Dibenzofuran	ND	10
Benzo (b) fluoranthene	ND	10	Di-n-butylphthalate	ND	10
Benzo (k) fluoranthene	ND	10	1,3-Dichlorobenzene	ND	10
Benzo (g,h,i) perylene	ND	10	1,4-Dichlorobenzene	ND	10
Benzo (a) pyrene	ND	10	1,2-Dichlorobenzene	ND	10
Benzyl Alcohol	ND	10	3,3'-Dichlorobenzidine	ND	20
Bis(2-chloroethoxy)methane	ND	10	2,4-Dichlorophenol	ND	10
Bis(2-chloroethyl)ether	ND	10	Diethylphthalate	ND	10
Bis(2-chloroisopropyl)ether	ND	10	Dimethylphthalate	ND	10
Bis(2-ethylhexyl)phthalate	ND	10	2,4-Dimethylphenol	ND	10
4-Bromophenyl phenyl ether	ND	10	4,6-Dinitro-2-methylphenol	ND	10
Butyl benzyl phthalate	ND	10	2,4-Dinitrophenol	ND	10
4-Chloroaniline	ND	10	2,4-Dinitrotoluene	ND	10

CALIFORNIA DEPARTMENT OF HEALTH SERVICES CERTIFICATE NO. 1371
ug/L : micrograms per Liter (parts per billion) ND: None Detected
DLR: Detection Limit for Reporting purposes
mrl

Robert B. Flay, Ph.D.
Vice President
Chemistry Division

Debra K. Lehman
QA Manager

Rev. 1 8/93 (625)

CORPORATE OFFICE:
2527 Fresno Street
Fresno, CA 93721
(209) 268-7021 • Fax 268-7126
Chemistry Fax 268-0740

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(209) 545-1050
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Fax 625-1714

BAKERSFIELD
3701 Pegasus Drive, Suite 124
Bakersfield, CA 93308
(805) 393-5088
Fax 393-4643

TWINING LABORATORIES, INC.
EST. 1898
ANALYTICAL CHEMISTRY · ENVIRONMENTAL SERVICES
GEOTECHNICAL ENGINEERING · DRILLING SERVICES
CONSTRUCTION INSPECTION & MATERIALS TESTING

REPORT DATE : November 30, 1993 INVOICE #12199
LABORATORY ID: 693-6345.1 PAGE 26 of 48

DATE SAMPLED : 11-10-93 at 1400 by L. Maier
DATE RECEIVED: 11-11-93 at 1040 from L. Maier

ATTENTION : Lonn Maier
CLIENT SMUD Projects Development
P.O. Box 15830; MS 37
Sacramento, CA 95852-1830

PROJECT : Procter & Gamble Cogen
PROJECT MGR : John Larsen

ANALYZED BY : S. King
REVIEWED BY : R. Stafford
DATE PREPARED: 11-17-93
DATE ANALYZED: 11-24-93

CLIENT SAMPLE ID: PG-1 SAMPLE TYPE: Drinking Water

ACID & BASE/NEUTRAL ORGANICS
METHOD: EPA 625 (PART B)

CONSTITUENT	RESULT (ug/L)	DLR (ug/L)	CONSTITUENT	RESULT (ug/L)	DLR (ug/L)
2,6-Dinitrotoluene	ND	10	2-Nitroaniline	ND	10
1,2-Diphenylhydrazine (Azobenzene)	ND	10	3-Nitroaniline	ND	10
			4-Nitroaniline	ND	10
Di-n-octylphthalate	ND	10	Nitrobenzene	ND	10
Fluoranthene	ND	10	2-Nitrophenol	ND	10
Fluorene	ND	10	4-Nitrophenol	ND	10
Hexachlorobenzene	ND	10	N-Nitrosodimethylamine	ND	10
Hexachlorobutadine	ND	10	N-Nitrosodiphenylamine	ND	10
Hexachlorocyclopentadiene	ND	10	N-Nitrosodi-n-propylamine	ND	10
Hexachloroethane	ND	10	Pentachlorophenol	ND	10
Indeno (1,2,3-cd) pyrene	ND	10	Phenanthrene	ND	10
Isophorone	ND	10	Phenol	ND	10
2-Methylnaphthalene	ND	10	Pyrene	ND	10
2-Methylphenol (o-cresol)	ND	10	1,2,4-Trichlorobenzene	ND	10
4-Methylphenol (p-cresol)	ND	10	2,4,5-Trichlorophenol	ND	10
Naphthalene	ND	10	2,4,6-Trichlorophenol	ND	10

CALIFORNIA DEPARTMENT OF HEALTH SERVICES CERTIFICATE NO. 1371
ug/L : micrograms per Liter (parts per billion) ND: None Detected
DLR: Detection Limit for Reporting purposes
mrl

Robert B. Flay, Ph.D.
Vice President
Chemistry Division

Debra K. Lehman
QA Manager

Rev. 1 8/93 (625)

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CONSTRUCTION INSPECTION & MATERIALS TESTING

REPORT DATE : November 30, 1993 INVOICE #12199
LABORATORY ID: 693-6345.1 PAGE 41 of 48

DATE SAMPLED : 11-10-93 at 1400 by L. Maier
DATE RECEIVED: 11-11-93 at 1040 from L. Maier

ATTENTION : Lonn Maier
CLIENT SMUD Projects Development
P.O. Box 15830; MS 37
Sacramento, CA 95852-1830

PROJECT : Procter & Gamble Cogen
PROJECT MGR : John Larsen

ANALYZED BY : J. Yano, T. Geringer, K. Furlow, J. Scianna, J. Strutzel
REVIEWED BY : J. Strutzel
DATE PREPARED: 11-11-93 through 11-30-93
DATE ANALYZED: 11-11-93 through 11-30-93 SAMPLE TYPE: Drinking Water

CLIENT SAMPLE ID: PG-1

METALS SCAN	RESULTS (mg/L)	DLR (mg/L)	METHOD
Antimony (Sb)	ND	0.005	204.2
Arsenic (As)	0.0011	0.0005	206.3
Beryllium (Be)	ND	0.001	200.7
Cadmium (Cd)	ND	0.0005	213.2
Chromium (Cr)	0.001	0.001	218.2
Copper (Cu)	0.007	0.001	220.2
Lead (Pb)	ND	0.002	239.2
Mercury (Hg)	ND	0.0002	245.1
Nickel (Ni)	ND	0.05	200.7
Selenium (Se)	ND	0.0005	270.3
Silver (Ag)	ND	0.01	272.1
Thallium (Tl)	ND	0.005	279.2
Zinc (Zn)	ND	0.05	200.7
Cyanide (CN)	ND	0.02	335.2
Hexavalent Chromium (Cr VI)	ND	0.02	7196
Total Dissolved Solids (TDS)	37	10	160.1

CALIFORNIA DEPARTMENT OF HEALTH SERVICES CERTIFICATE NO. 1371
mg/L : milligrams per Liter (parts per million) DLR: Detection Limit for Reporting purposes
ND : None Detected
mrl

Robert B. Flay, Ph.D.
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Rev. 1 8/93 (METAL.WAT)

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ACROLEIN & ACRYLONITRILE
EPA METHOD 603

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-11-114
Hazardous Waste Testing
Certification: 1165

CLIENT: THE TWINING LABORATORIES	DATE SAMPLED: 11/10/1993
P.O. #: 11448	DATE RECEIVED: 11/12/1993
	DATE EXTRACTED: NA
	DATE ANALYZED: 11/15/1993
	INSTRUMENT ID: SVG-7
	MATRIX: AQUEOUS
	% MOISTURE: NA
	REPORT WT: NA
ELI SAMPLE ID: 9311114-01A	SAMPLE VOL./WT: 5 ml
SAMPLE ID: 693-6345.1, PG-1	DILUTION FACTOR: 1

SMUD Projects Development PROJECT: Procter & Gamble Cogen

COMPOUND	CONCENTRATION [ug/L (ppb)]	DETECTION LIMIT [ug/L (ppb)]
Acrolein	<0.5	0.5
Acrylonitrile	<0.6	0.6

Susie Yang
Chemist

November 29, 1993
Date

ACROLEIN & ACRYLONITRILE
EPA METHOD 603

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-11-114
Hazardous Waste Testing
Certification: 1165

CLIENT: THE TWINING LABORATORIES	DATE SAMPLED: 11/10/1993
P.O. #: 11448	DATE RECEIVED: 11/12/1993
	DATE EXTRACTED: NA
	DATE ANALYZED: 11/15/1993
	INSTRUMENT ID: SVG-7
	MATRIX: AQUEOUS
	% MOISTURE: NA
	REPORT WT: NA
ELI SAMPLE ID: 9311114-02A	SAMPLE VOL./WT: 5 ml
SAMPLE ID: 693-6345.2, PG-2	DILUTION FACTOR: 1

SMUD Projects Development PROJECT: Procter & Gamble Cogen

COMPOUND	CONCENTRATION [ug/L (ppb)]	DETECTION LIMIT [ug/L (ppb)]
Acrolein	<0.5	0.5
Acrylonitrile	<0.6	0.6

Susie Yang
Chemist

November 29, 1993
Date

PCDD & PCDF

EPA METHOD 8290

Sample ID: 693-6345.1 PG-1
Lab ID: 12872-009-SA
Matrix: Effluent

Date Received: 11/19/93
Date Extracted: 11/22/93
Sample Amount: 0.984 L

ICAL ID: I1613A
QC Lot: LC1116E
Units: pg/l

Compound	Conc.	D.L.	Ratio	S/N Ratio	Qualifier
2,3,7,8-TCDD	ND	2.5			
Total TCDD	ND	2.6			
1,2,3,7,8-PeCDD	ND	1.1			
Total PeCDD	ND	1.1			
1,2,3,4,7,8-HxCDD	ND	0.82			
1,2,3,6,7,8-HxCDD	ND	1.3			
1,2,3,7,8,9-HxCDD	ND	0.76			
Total HxCDD	ND	1.3			
1,2,3,4,6,7,8-HpCDD	ND	0.95			
Total HpCDD	ND	0.95			
OCDD	ND	5.9			
2,3,7,8-TCDF	ND	0.53			
Total TCDF	ND	0.53			
1,2,3,7,8-PeCDF	ND	0.93			
2,3,4,7,8-PeCDF	ND	0.82			
Total PeCDF	ND	0.93			
1,2,3,4,7,8-HxCDF	ND	0.78			
1,2,3,6,7,8-HxCDF	ND	0.72			
2,3,4,6,7,8-HxCDF	ND	2.6			
1,2,3,7,8,9-HxCDF	ND	1.1			
Total HxCDF	ND	5.2			
1,2,3,4,6,7,8-HpCDF	ND	0.50			
1,2,3,4,7,8,9-HpCDF	ND	0.70			
Total HpCDF	ND	0.70			
OCDF	ND	1.3			

Analyst:

Reviewer:

SMUD Projects Development PROJECT: Procter & Gamble Cogen ID:PG-5

PCDD & PCDF
EPA METHOD 8290

Sample ID: 693-6345.5
Lab ID: 12872-008-SA

Isotopic Recovery Results

Internal Standard:	% R	Ratio	Qualifier
^{13}C-2,3,7,8-TCDD	97	0.79	
^{13}C-1,2,3,7,8-PeCDD	99	1.54	
^{13}C-1,2,3,4,7,8-HxCDD	75	1.25	
^{13}C-1,2,3,6,7,8-HxCDD	97	1.25	
^{13}C-1,2,3,4,6,7,8-HpCDD	82	1.05	
^{13}C-OCDD	77	0.94	
^{13}C-2,3,7,8-TCDF	94	0.80	
^{13}C-1,2,3,7,8-PeCDF	105	1.52	
^{13}C-2,3,4,7,8-PeCDF	100	1.58	
^{13}C-1,2,3,4,7,8-HxCDF	69	0.53	
^{13}C-1,2,3,6,7,8-HxCDF	87	0.52	
^{13}C-2,3,4,6,7,8-HxCDF	80	0.51	
^{13}C-1,2,3,7,8,9-HxCDF	92	0.47	
^{13}C-1,2,3,4,6,7,8-HpCDF	82	0.46	
^{13}C-1,2,3,4,7,8,9-HpCDF	75	0.46	

Clean-up Recovery Standard:			
^{37}Cl-2,3,7,8-TCDD	100	NA	

Dates Analyzed:

DB-5: 11/18/93 DB-225: NA SP-2331: NA

Analyst: [illegible] Page 2 of 2 Reviewer: [illegible]

SMUD Projects Development PROJECT: Procter & Gamble Cogen ID:PG-1

PCDD & PCDF
EPA METHOD 8290

Sample ID: 693-6345.1 PG-1
Lab ID: 12872-009-SA

Isotopic Recovery Results

Internal Standard:	% R	Ratio	Qualifier
^{13}C-2,3,7,8-TCDD	100	0.75	
^{13}C-1,2,3,7,8-PeCDD	92	1.50	
^{13}C-1,2,3,4,7,8-HxCDD	84	1.22	
^{13}C-1,2,3,6,7,8-HxCDD	99	1.25	
^{13}C-1,2,3,4,6,7,8-HpCDD	106	1.04	
^{13}C-OCDD	118	0.91	
^{13}C-2,3,7,8-TCDF	100	0.80	
^{13}C-1,2,3,7,8-PeCDF	108	1.58	
^{13}C-2,3,4,7,8-PeCDF	107	1.59	
^{13}C-1,2,3,4,7,8-HxCDF	86	0.53	
^{13}C-1,2,3,6,7,8-HxCDF	87	0.50	
^{13}C-2,3,4,6,7,8-HxCDF	89	0.50	
^{13}C-1,2,3,7,8,9-HxCDF	99	0.51	
^{13}C-1,2,3,4,6,7,8-HpCDF	102	0.44	
^{13}C-1,2,3,4,7,8,9-HpCDF	115	0.44	
Clean-up Recovery Standard:			
^{37}Cl-2,3,7,8-TCDD	111	NA	

Dates Analyzed:

DB-5: 11/24/93 DB-225: NA SP-2331: NA

Analyst: [illegible] Page 2 of 2 Reviewer: [illegible]

ALTA

SMUD Projects Development PROJECT: Procter & Gamble Cogen ID:PG-2

PCDD & PCDF

EPA METHOD 8290

Sample ID: 693-6345.2 PG-2
Lab ID: 12872-010-SA
Matrix: Effluent

Date Received: 11/19/93
Date Extracted: 11/22/93
Sample Amount: 0.999 L

ICAL ID: I1613A
QC Lot: LC1116E
Units: pg/l

Compound	Conc.	D.L.	Ratio	S/N Ratio	Qualifier
2,3,7,8-TCDD	ND	1.5			
Total TCDD	ND	2.5			
1,2,3,7,8-PeCDD	ND	2.1			
Total PeCDD	ND	2.1			
1,2,3,4,7,8-HxCDD	ND	1.0			
1,2,3,6,7,8-HxCDD	ND	1.4			
1,2,3,7,8,9-HxCDD	ND	0.97			
Total HxCDD	ND	1.4			
1,2,3,4,6,7,8-HpCDD	ND	1.3			
Total HpCDD	ND	1.3			
OCDD	ND	5.8			
2,3,7,8-TCDF	ND	0.43			
Total TCDF	ND	0.43			
1,2,3,7,8-PeCDF	ND	1.2			
2,3,4,7,8-PeCDF	ND	1.1			
Total PeCDF	ND	1.2			
1,2,3,4,7,8-HxCDF	ND	0.90			
1,2,3,6,7,8-HxCDF	ND	0.84			
2,3,4,6,7,8-HxCDF	ND	1.7			
1,2,3,7,8,9-HxCDF	ND	1.2			
Total HxCDF	ND	1.7			
1,2,3,4,6,7,8-HpCDF	ND	0.64			
1,2,3,4,7,8,9-HpCDF	ND	0.90			
Total HpCDF	ND	0.90			
OCDF	ND	1.3			

Analyst: [signature]

Reviewer: [signature]

STATE OF CALIFORNIA

REGIONAL WATER QUALITY CONTROL BOARD
DEPARTMENT OF HEALTH SERVICES
SOLID WASTE MANAGEMENT BOARD
DEPARTMENT OF FORESTRY

APPLICATION FOR FACILITY PERMIT/WASTE DISCHARGE

This form is to be used for filing a/an: (check all appropriate)

1. [X] **REPORT OF WASTE DISCHARGE** (pursuant to Division 7 of the State Water Code)
2. [ ] **APPLICATION FOR A HAZARDOUS WASTE FACILITY PERMIT** (pursuant to Health and Safety Code Section 25200)
3. [ ] **APPLICATION FOR A SOLID WASTE FACILITIES PERMIT** (pursuant to Government Code Section 66796.30)
4. [ ] **APPLICATION FOR A RUBBISH DUMP PERMIT** (pursuant to Public Resources Code Sections 4371–4375 and 4438)

FOR OFFICE USE ONLY

Form 200 Rec'd _____
Fee (RWQCB) _____ (SWMB) _____
Letter to Discharger _____
Report Rec'd _____
Effective Date _____
CDF Notified _____
DOHS No. _____
SWMB No. _____

I. FACILITY

A. NAME OF FACILITY: PROCTER AND GAMBLE COGENERATION STATION
TELEPHONE #: ( )
ADDRESS: 83RD STREET AT 24TH AVENUE SACRAMENTO, CA
ZIP CODE: 95826

B. NAME OF LEGAL OWNER OF FACILITY: SACRAMENTO COGENERATION AUTHORITY
TELEPHONE #: (916) 452-3211
ADDRESS: P.O. BOX 15830 SACRAMENTO, CA
ZIP CODE: 95852

C. NAME OF BUSINESS OPERATING FACILITY: SACRAMENTO COGENERATION AUTHORITY
TELEPHONE #: (916) 452-3211
ADDRESS: P.O. BOX 15830 SACRAMENTO, CA
ZIP CODE: 95852

D. TYPE OF BUSINESS OPERATING FACILITY

[ ] Sole Proprietorship [ ] Partnership [ ] Corporation [X] Government Agency

E. NAME OF OWNER(S) OF BUSINESS OPERATING FACILITY: SACRAMENTO COGENERATION AUTHORITY
TELEPHONE #: (916) 452-3211
ADDRESS WHERE LEGAL NOTICE MAY BE SERVED: 6201 S STREET SACRAMENTO, CA
ZIP CODE: 95819

II. REASON FOR FILING

CHECK ALL APPROPRIATE:

A. [X] New discharge or facility
B. [ ] Existing discharge or facility
C. [ ] Increase in quantity of discharge
D. [ ] Change in character of discharge
E. [ ] Change in place or method of disposal
F. [ ] Change in design or operation
G. [ ] Change in business operating facility
H. [ ] Enlargement of existing facility
I. [ ] Other (explain below)

III. TYPE OF OPERATION

CHECK ALL APPROPRIATE:

A. [ ] Transfer station
B. [ ] Solid waste disposal site
C. [ ] Hazardous waste disposal site
D. [ ] Sewage treatment
E. [ ] Industry (on-site disposal facility)
F. [ ] Industry (discharge to sewer)
G. [ ] Woodwaste site
H. [X] Other (explain below)

H. Cogeneration Plant/Discharge to Storm Drain

IV. TYPE OF WASTE

CHECK ALL APPROPRIATE:

A. [ ] Sewage, sewage sludge, and/or septic tank pumpings
B. [X] Industrial wastes
C. [ ] Municipal solid wastes
D. [ ] Hazardous wastes
E. [ ] Agricultural wastes
F. [ ] Animal wastes
G. [ ] Forest product wastes
H. [ ] Construction/demolition wastes
I. [ ] Inert materials
J. [ ] Dead animals
K. [ ] Tires
L. [ ] Other (explain below)

V. SITE DESIGN CAPACITY

A. PRESENT POPULATION OR CAPACITY	B. DESIGN POPULATION OR ULTIMATE CAPACITY	C. LIFE EXPECTANCY (YEARS)
NEW FACILITY	171 MW	30

VI. QUANTITY OF WASTES

A. PRESENT OR PROPOSED DAILT FLOW (IN MGD):	MAXIMUM	AVERAGE	B. DESIGN FLOW (IN MGD)
	0.33	.21	0.33

C. SOLID WASTE DISPOSAL SITE (IN TONS OR CUBIC YARDS):	DAILY QUANTITY	TOTAL IN PLACE QUANTITY	D. AREA IN WHICH SOIL WILL BE DISTURBED (IN ACRES)	TOTAL SITE AREA

VII. LOCATION OF POINT OF DISPOSAL OR OPERATION

(DESIGN AND ATTACH MAP, SKETCH, OR LOCATION ON U.S.G.S. QUADRANGLE MAP, 7.5 OR 15 MINUTE SERIES.)

LIST DISTANCES OR BEARING AND DISTANCE FROM SECTION CORNER OR QUARTER CORNER, SECTION, TOWNSHIP, RANGE, BASE AND MERIDIAN:

VIII. SOURCE OF WATER SUPPLY (CHECK ALL APPROPRIATE)

A. ☐ MUNICIPAL OR UTILITY SERVICE:

NAME OF WATER PURVEYOR
City of Sacramento Dept. of Utilities

ADDRESS OF PURVEYOR
5770 Freeport Blvd., Suite 100

Sacramento, CA 95822-2911

B. ☐ INDIVIDUAL (Wells)

C. ☐ SURFACE SUPPLY:

NAME OF STREAM, LAKE, SPRING, ETC. (IF NAMED)

TYPE OF WATER RIGHTS: ☐ Riparian ☐ Appropriation

WATER RIGHTS PERMIT OR LICENSE #

IX. ENVIRONMENTAL IMPACT REPORT (EIR)

Has an EIR been prepared for this project?	☐ Yes	☒ No
If "Yes", please enclose a copy.		
If "No", will an EIR be prepared?	☐ Yes	☐ No
Will a negative declaration be prepared?	☐ Yes	☐ No

An AFC for this project has been filed with CEC. The AFC discusses wastewater discharge to the County Regional Sanitation Plan.

If "Yes", please answer the following:

WHO WILL PREPARE THE NEGATIVE DECLARATION?

APPROX. DATE OF COMPLETION

CERTIFICATION

I hereby certify under penalty of perjury that the information provided in this application and in any attachments is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER OF FACILITY	SIGNATURE OF OPERATOR OF FACILITY
Colin Taylor	Colin Taylor
PRINTED OR TYPED NAME: COLIN TAYLOR	PRINTED OR TYPED NAME: COLIN TAYLOR
TITLE: DIRECTOR, PROJECTS DEVELOPMENT	TITLE: DIRECTOR, PROJECTS DEVELOPMENT
DATE: 2/24/94	DATE: 2/24/94

LIST TITLES OF ANY ATTACHMENTS:

You will be notified of the correctness of filing fee and submittal of any additional information deemed necessary to complete your Report of Waste Discharge pursuant to Division 7, Section 13260 of the State Water Code, or to complete your permit application pursuant to Government Code Section 66796.30 and Health and Safety Code Section 25200.