

**DOCKETED**

<b>Docket Number:</b>	93-AFC-02C
<b>Project Title:</b>	Compliance - Application for Certification SMUD's Proctor & Gamble Cogeneration Project
<b>TN #:</b>	261617
<b>Document Title:</b>	2024 Procter CEC Annual Compliance Report
<b>Description:</b>	2024 Annual Compliance Report for Procter & Gamble Power Plant
<b>Filer:</b>	Jeremy Klosinski
<b>Organization:</b>	EthosEnergy
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	2/7/2025 3:19:26 PM
<b>Docketed Date:</b>	2/7/2025

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# Procter & Gamble Power Plant

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California Energy Commission  
Docket # 93-AFC-2

## Annual Compliance Report For Calendar Year 2024

Distribution:

Ashley Gutierrez  
Pedro Juarez  
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File 12.0446

California Energy Commission  
Procter & Gamble Power Plant  
Procter & Gamble Power Plant

Attachments:

Chemical Inventory Report  
Annual Outage Report  
Conditions of Compliance Matrix  
Efficiency Standard Calculations  
Availability & Reliability Data  
Annual Sewer Discharge Report  
Annual SMUD 230kV Transmission Line Report

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# Procter & Gamble Power Plant

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## **Project Status during 2024**

The facility continues to operate daily from the dispatch schedule prepared by SMUD Power Systems Operation (PSO). The schedule dispatches the facility in order to meet SMUD's daily system load as predicted by PSO. The facility may operate on Automatic Governor Control in the load range of 70-172 mW or facility operators can manually control the facility output at a preset load. SMUD participated in the EIM electrical market while dispatching with automatic governor control as required under that program.

Regularly scheduled outages were taken on both Combined Cycle units in Mar 2024 to perform required boiler inspections and annual maintenance. Authorized inspectors representing our Boiler and Machinery insurance carrier and our water treatment vendor were present for the inspection. Typical annual inspections of the gas turbines, condenser, and cooling tower were done. The inspection results were very favorable, and no major re-work was required.

In accordance with 40 CFR Part 98 Federal Register regulations, the Procter & Gamble Power Plant facility submitted 2023 GHG data prior to the March 30 deadline. Following independent third-party verification in June of 2024, the project received a Positive Opinion determination for the 2023 data submittal. 2024 Federal GHG data is currently under review and will be submitted prior to the March 30 deadline.

The Procter & Gamble Power Plant continues dumping plant wastewaters to the sanitary sewer. A sewer permit renewal application was submitted in 2021. In Dec 2022 SRCSD issued a new draft permit. New permit became effective 1/1/2023.

EthosEnergy continues to operate the site in accordance with the Project Work Documents and applicable permits and licenses.

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# Procter & Gamble Power Plant

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## Annual Reporting Requirements

AQ-39	Annual Source Testing and CEM Q/A testing was performed in Qtr 1 2024. Testing included both Aux Boilers, both the Combined Cycle gas turbines and the Simple Cycle gas turbine.
EFF-1	See attachment for Efficiency Calculations.
HAZ-1	See attachment for current Hazardous Material List
REL-1	See attachment for plant Reliability and Availability Data
SOIL-2	There have been no re-vegetation efforts during the report period.
VIS-1	Only minor touch up painting was completed in 2024.
Waste-3	<p>Procter &amp; Gamble Power Plant continues to use Ramos Environmental to dispose of hazardous waste materials. The Storage, Treatment and Disposal Facility used by Ramos is ENSCO, located in Wilmington, CA. During the reporting period, typical waste materials that were disposed of included used oil filters, and oily rags and wastewater. Ramos Environmental recycles all of our used oil.</p> <p>Waste Management Inc. provides disposal of non-hazardous waste. Waste Management also picks up recyclable materials from the site. The two landfills used by Waste Management Inc. are Sacramento and Yolo Co. Landfills. Waste Management picks up recyclable materials separately for processing.</p>
Water-1	See attachments for Annual Sewer Discharge Report
TLSN-2,3,6	See attached report from SMUD Distribution Operations

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				1B Aux Boiler		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
					Annual Waste Amount		Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard Categories	Component Name % Wt EHS CAS No.			
			Max. Daily	Largest Cont.	Avg. Daily					
DOT: 2.2 - Nonflammable Gases	Ammonia	Pounds	495	150	300	- Physical	Anhydrous ammonia		✓	7664-41-7
Corrosive, Flammable Gas	CAS No	State	Storage Container		Pressue	Waste Code	Flammable			
	7664-41-7	Gas	Cylinder		> Ambient	141	- Physical Gas			
		Type			Temperature		Under Pressure			
		Pure	Days on Site: 365		Ambient		- Health Acute			
							Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812			
Facility Name	SAC COGENERATION AUTHORITY II				ACID STORAGE TANK		Facility ID	FA0008278			
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM			
				Quantities		Annual Waste	Hazardous Components				
DOT Code/Fire Haz. Class		Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Federal Hazard	(For mixture only)			
		SULFURIC ACID	Pounds	90000	90000	60000	0	- Physical	SULFURIC ACID	80%	✓ 7664-93-9
		CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To	WATER	20%	7732-18-5
		7664-93-9	Liquid	Aboveground Tank		Ambient		Metal			
			Type			Temperature		- Physical Hazard			
			Mixture	Days on Site: 365		Ambient		Not Otherwise			
								Classified			
								- Health Skin			
								Corrosion			
								Irritation			
								- Health			
								Respiratory Skin			
								Sensitization			
								- Health Serious			
								Eye Damage Eye			
								Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812				
Facility Name	SAC COGENERATION AUTHORITY II				AMMONIA TANK	Facility ID FA0008278				
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM				
								Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	AQUA AMMONIA	Pounds	Max. Daily	Largest Cont.	Avg. Daily	0	- Physical Hazard	AMMONIUM HYDROXIDE	70%	7732-18-5
	CAS No	State	Storage Container		Pressue	Waste Code	Not Otherwise	AMMONIA	30%	7664-41-7
		Liquid	Aboveground Tank		> Ambient		Classified			
		Type			Temperature		- Health Skin			
		Mixture	Days on Site: 365		Ambient		Corrosion			
							Irritation			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				AUXILIARY TRANSFORMERS		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
							Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities		Annual Waste	Federal Hazard				
			Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.
	UNIVOLT 60	Gallons	2700	1350	2700	0	- Physical	HYDROTREATED LIGHT	98%	64742-53-6
	CAS No	State	Storage Container		Pressue		Flammable	NAPHTHENIC DISTILLATE		
		Liquid	Other		Ambient	Waste Code	- Health			
		Type			Temperature		Respiratory Skin			
		Mixture	Days on Site: 365		Ambient		Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			



Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812				
Facility Name	SAC COGENERATION AUTHORITY II				BATTERY ROOM	Facility ID FA0008278				
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM				
					Quantities	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	DC Battery	Pounds	3816	31	3816	0	- Physical	LEAD	72%	7439-92-1
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To	ELECTROLYTE (SULFURIC ACID)	20%	7664-93-9
		Liquid	Other		Ambient		Metal	COPPER	1%	7440-50-8
		Type			Temperature		- Physical Hazard	CADMIUM	0%	7440-43-9
		Mixture	Days on Site: 365		< Ambient		Not Otherwise Classified			
							- Health Hazard			
							Not Otherwise Classified			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>SAC COGENERATION AUTHORITY II</b>			Chemical Location				CERS ID	<b>10217812</b>		
Facility Name <b>SAC COGENERATION AUTHORITY II</b>			<b>CHEMICAL BUILDING</b>				Facility ID	<b>FA0008278</b>		
5000 83RD ST , SACRAMENTO 95826							Status	<b>Submitted on 2/26/2024 4:05 PM</b>		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>ELIMIN-OX OXYGEN SCAVENGER</b>	<b>Gallons</b>	<b>65</b>	<b>75</b>	<b>20</b>	<b>0</b>	- Health			
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Carcinogenicity			
	497-18-7	Liquid	Tank Inside Building		Ambient		- Health Acute			
		<u>Type</u>			<u>Temperature</u>		Toxicity			
		Pure	Days on Site: 365		Ambient		- Health			
							Respiratory Skin			
							Sensitization			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
	<b>PHOSPHATE</b>	<b>Gallons</b>	<b>200</b>	<b>200</b>	<b>110</b>	<b>0</b>	- Health Skin	SODIUM TRIPOLYPHOSPHATE	3%	7758-29-4
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosion	SODIUM HYDROXIDE	3%	1310-73-2
		Liquid	Tank Inside Building		Ambient		Irritation			
		<u>Type</u>			<u>Temperature</u>		- Health Serious			
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye			
							Irritation			
	<b>AMINE</b>	<b>Gallons</b>	<b>350</b>	<b>400</b>	<b>200</b>	<b>0</b>	- Physical Hazard	CYCLOHEXYLAMINE	30%	✓ 108-91-8
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Not Otherwise	DIETHYLAMINOETHANOL	8%	100-37-8
		Liquid	Tank Inside Building		Ambient		Classified	MOPHORLINE	8%	110-91-8
		<u>Type</u>			<u>Temperature</u>		- Health Skin			
		Mixture	Days on Site: 365		Ambient		Corrosion			
							Irritation			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
	<b>Closed loop treatment</b>	<b>Gallons</b>	<b>75</b>	<b>25</b>	<b>30</b>			Nitrate	30%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>				
		Liquid	Plastic/Non-metalic Drum		Ambient					
		<u>Type</u>			<u>Temperature</u>					
		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812				
Facility Name	SAC COGENERATION AUTHORITY II				CHEMICAL STORAGE LOCKER	Facility ID FA0008278				
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	TURBINE WATER WASH SOAP	Gallons	165	55	80	0	- Health Skin	WATER		7732-18-5
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion	2- BUTOXYETHANOL		111-73-2
		Liquid	Plastic/Non-metalic Drum		Ambient		Irritation	ETHOXYLATED ALCOHOLS		68439-46-3
		Type			Temperature		- Health Serious			
		Mixture	Days on Site: 365		Ambient		Eye Damage Eye Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812			
Facility Name	SAC COGENERATION AUTHORITY II				CHILLER 1C	Facility ID FA0008278			
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM			
								Hazardous Components	
								(For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt EHS CAS No.
	R134A	Pounds	3710	3710	3710	0	- Physical Gas		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	812-97-2	Gas	Other		> Ambient		- Physical Hazard		
		Type			Temperature		Not Otherwise		
		Pure	Days on Site: 365		Ambient		Classified		
							- Health Hazard		
							Not Otherwise		
							Classified		

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>SAC COGENERATION AUTHORITY II</b>			Chemical Location				CERS ID <b>10217812</b>			
Facility Name <b>SAC COGENERATION AUTHORITY II</b>			<b>COOLING TOWER CHEMICAL BUILDING</b>				Facility ID <b>FA0008278</b>			
5000 83RD ST , SACRAMENTO 95826							Status <b>Submitted on 2/26/2024 4:05 PM</b>			

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>SODIUM HYPOCHLORITE</b>	<b>Gallons</b>	<b>6000</b>	<b>7000</b>	3000	0	- Physical Oxidizer	SODIUM HYPOCHLORITE	13%	7681-52-9
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	- Physical	SODIUM HYDROXIDE	1%	1310-73-2
		Liquid	Tank Inside Building		Ambient		Corrosive To	SODIUM CHLORIDE	5%	7647-14-5
		<u>Type</u>			<u>Temperature</u>		Metal			
		Mixture	Days on Site: 365		Ambient		- Health			
							Carcinogenicity			
							- Health Acute			
							Toxicity			
							- Health Skin			
							Corrosion			
							Irritation			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
DOT: 8 - Corrosives (Liquids and Solids)	<b>Scale Inhibitor</b>	<b>Gallons</b>	<b>220</b>	<b>110</b>	30	0	- Physical	Phosphoric Acid	1%	7644-38-2
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Corrosive To			
		Liquid	Carboy		Ambient		Metal			
		<u>Type</u>			<u>Temperature</u>					
Corrosive		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				GAS COMPRESSOR AREA		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
				Quantities		Annual Waste	Hazardous Components			
						Amount	(For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily		Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	MULTICOMPONENT METHANE MIXTURE	Cu. Feet	300	300	300	0	- Physical	ETHANE	20%	74-84-0
		State	Storage Container		Pressue	Waste Code	Flammable	PROPANE	5%	74-98-6
	CAS No	Gas	Cylinder		> Ambient		- Physical Gas	n-BUTANE	1%	106-97-8
		Type			Temperature		Under Pressure	i-BUTANE	1%	75-28-5
		Mixture	Days on Site: 365		Ambient			n-PENTANE	1%	109-88-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				GAS COMPRESSORS 1, 2, 3, 4 & OIL STORAGE BUILDING		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories		Hazardous Components (For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	MOBIL DTE HEAVY MEDIUM BEARING OIL	Gallons	170	55	110	0	- Physical	DISTILLATES PETROLEUM	95%	64742-54-7
		State	Storage Container		Pressue		Flammable	HYDROTREATED HEAVY		
		Liquid	Steel Drum		Ambient		- Health Skin	PARAFFINIC		
	CAS No	Type			Temperature	Waste Code	Corrosion	DISTILLATES PETROLEUM SOLVENT 5%		64741-88-4
		Mixture	Days on Site: 365		Ambient		Irritation	REFINED HEAVY PARAFFINIC		
								PHOSPHEROUS ACID TRIS	0%	1330-78-5
								(METHYLPHENAYL) ESTER		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II	Chemical Location	CERS ID	10217812
Facility Name	SAC COGENERATION AUTHORITY II	GAS COMPRESSORS 1,2,3,4 & OIL STORAGE BUILDING	Facility ID	FA0008278
	5000 83RD ST , SACRAMENTO 95826		Status	Submitted on 2/26/2024 4:05 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	MOBIL RARUS 427 COMPRESSOR OIL	Gallons	340	55	340	0	- Physical - Flammable - Health Skin - Corrosion - Irritation	DISTILLATES PETROLEUM HYDROTREATED HEAVY PARAFFINIC DISTILLATES PETROLEUM SOLVENT 6% REFINED HEAVY PARAFFINIC PHOSPHEROUS ACID TRIS (METHYLPHENAYL) ESTER	95%    0%	64742-54-7    64741-88-4 1330-78-5
	CAS No	State	Storage Container		Pressue					
		Liquid	Steel Drum		Ambient					
		Type			Temperature	Waste Code				
		Mixture	Days on Site: 365		Ambient					



Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II	Chemical Location	CERS ID	10217812
Facility Name	SAC COGENERATION AUTHORITY II	GAS COMPRESSORS, OIL STORAGE BUILDING	Facility ID	FA0008278
	5000 83RD ST , SACRAMENTO 95826		Status	Submitted on 2/26/2024 4:05 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	MOBIL DTE MEDIUM GAS COMPRESSOR OIL	Gallons	170	55	120	0	- Physical	DISTILLATES PETROLEUM	95%	64742-54-7
		State	Storage Container		Pressue		Flammable	HYDROTREATED HEAVY		
		Liquid	Steel Drum		Ambient		- Health Skin	PARAFFINIC		
	CAS No	Type			Temperature	Waste Code	Corrosion	DISTILLATES PETROLEUM SOLVENT 5%		64741-88-4
		Mixture	Days on Site: 365		Ambient		Irritation	REFIND HEAVY PARAFFINIC		
								PHOSPHEROUS ACID TRIS	0%	1330-78-5
								(METHYLPHENAYL) ESTER		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812			
Facility Name	SAC COGENERATION AUTHORITY II				GAS TURBINE PACKAGES	Facility ID FA0008278			
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM			
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt EHS CAS No.
	CARBON DIOXIDE	Pounds	4200	100	4200	0	- Physical Gas		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	124-38-9	Liquid	Cylinder		> Ambient		- Health		
		Type			Temperature		Aspiration Hazard		
		Pure	Days on Site: 365		Ambient				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II	Chemical Location	CERS ID	10217812
Facility Name	SAC COGENERATION AUTHORITY II	GAS TURBINES & OIL STORAGE BUILDING	Facility ID	FA0008278
	5000 83RD ST , SACRAMENTO 95826		Status	Submitted on 2/26/2024 4:05 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	<b>GAS TURBINE OIL</b>	<b>Gallons</b>	<b>550</b>	<b>150</b>	500	0	- Physical	SYNTHETIC ESTERS	90%	
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Flammable	SYNTHETIC ESTERS	3%	
		<u>Liquid</u>	Aboveground Tank, Steel Drum		<u>Ambient</u>		- Health Acute	PHOSPHORIC ACID, TRIS	3%	1330-78-5
		<u>Type</u>			<u>Temperature</u>		Toxicity	(METHYPHENLOL) ESTER		
		<u>Mixture</u>	Days on Site: 365		<u>Ambient</u>		- Health Skin	BENZENAMINE, 4-OCTYL-N- (4-	2%	101-67-7
							Corrosion	OCTYL-PHENOYL		
							Irritation	NAPHTHALENAMINE, N-PHENYL	2%	90-30-2
							- Health Serious			
							Eye Damage			
							Eye Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				GENERATORS 1, 2, 3, AND OIL STORAGE BUILDING		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	MOBIL DTE LIGHT GENERATOR OIL	Gallons	1500	500	900	0	- Physical	DISTILLATES PETROLEUM	95%	64742-54-7
		State	Storage Container		Pressue		Flammable	HYDROTREATED HEAVY		
		Liquid	Aboveground Tank, Tank Inside		Ambient		- Health Skin	PARAFFINIC		
	CAS No	Type	Building, Steel Drum		Temperature	Waste Code	Corrosion	DISTILLATES PETROLEUM SOLVENT 5%		64741-88-4
		Mixture	Days on Site: 365		Ambient		Irritation	REFINED HEAVY PARRAFINIC		
								PHOSPHEROUS ACID TRIS	0%	1330-78-5
								(METHYLPHENAYL) ESTER		

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				GSU TRANSFORMERS		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
							Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	UNIVOLT N 61B	Gallons	22200	11100	22200	0	- Physical Hazard	HYDROTREATED LIGHT	95%	64742-53-6
	CAS No	State	Storage Container		Pressue		Not Otherwise Classified	NAPHTHENIC DISTILLATE (PETROLEUM)		
		Liquid	Other		Ambient					
		Type			Temperature	Waste Code	- Health Skin			
		Mixture	Days on Site: 365		Ambient		Corrosion Irritation			

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. <b>SAC COGENERATION AUTHORITY II</b>		Chemical Location				CERS ID	<b>10217812</b>		
Facility Name <b>SAC COGENERATION AUTHORITY II</b>		<b>MAINTENANCE BUILDING</b>				Facility ID	<b>FA0008278</b>		
5000 83RD ST , SACRAMENTO 95826						Status	<b>Submitted on 2/26/2024 4:05 PM</b>		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)	
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt EHS CAS No.
	<b>ACETYLNE</b>	<b>Cu. Feet</b>	<b>840</b>	<b>420</b>	420	0	- Physical		
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable		
	74-86-2	Gas	Cylinder		> Ambient		- Physical Gas		
		Type			Temperature		Under Pressure		
		Pure	Days on Site: 365		Ambient				
	<b>ARGON</b>	<b>Cu. Feet</b>	<b>300</b>	<b>300</b>	200	0	- Physical Gas		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	7440-37-1	Gas	Cylinder		> Ambient				
		Type			Temperature				
		Pure	Days on Site: 365		Ambient				
	<b>HELIUM GAS</b>	<b>Cu. Feet</b>	<b>1250</b>	<b>250</b>	250	0	- Physical Gas		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	7440-59-7	Gas	Cylinder		> Ambient				
		Type			Temperature				
		Pure	Days on Site: 365		Ambient				
	<b>NITROGEN</b>	<b>Cu. Feet</b>	<b>1008</b>	<b>336</b>	672	0	- Physical Gas		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	7727-37-9	Gas	Cylinder		> Ambient				
		Type			Temperature				
		Pure	Days on Site: 365		Ambient				
	<b>OXYGEN</b>	<b>Cu. Feet</b>	<b>564</b>	<b>282</b>	282	0	- Physical Gas		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure		
	7782-44-7	Gas	Cylinder		> Ambient		- Physical Oxidizer		
		Type			Temperature				
		Pure	Days on Site: 365		Ambient				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				MAINTENANCE BUILDING, AUX BOILER, HRSG A/B/C		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826				STACKS		Status	Submitted on 2/26/2024 4:05 PM		
							Hazardous Components			
							(For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste	Federal Hazard			
			Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.
	CAL GAS	Cu. Feet	9800	180	5000	0	- Physical Gas	NITRIC OXIDE	3%	10102-43-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	CARBON MONOXIDE	3%	630-08-0
		Gas	Cylinder		> Ambient			NITROGEN	95%	7727-37-9
		Type				Temperature				
		Mixture	Days on Site: 365			Ambient				

## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812			
Facility Name	SAC COGENERATION AUTHORITY II				MAINTENANCE SHOP			Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826							Status	Submitted on 2/26/2024 4:05 PM		
						Annual Waste			Hazardous Components		
						Amount			(For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily		Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
	WELDING SHIELD GAS	Cu. Feet	300	300	150	0	- Physical Gas	ARGON	75%		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	CARBON DIOXIDE	25%		
		Gas	Cylinder		> Ambient		- Health Simple				
		Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
	PROPANE	Cu. Feet	180	35.3	105.9	0	- Physical	PROPANE	99%		74-98-6
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable				
		Gas	Cylinder		> Ambient		- Physical Gas				
		Type			Temperature		Under Pressure				
		Mixture	Days on Site: 365		Ambient		- Health Simple				
	WELDING SHIELD GAS	Cu. Feet	300	300	150	0	- Physical Gas	HELIUM	90%		
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	ARGON	8%		
		Gas	Cylinder		> Ambient			CARBON DIOXIDE	3%		
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						



## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II					Chemical Location	CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II					OIL STORAGE BUILDING	Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
						Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	MOBIL DTE 25 HYDRAULIC OIL	Gallons	110	55	110	0	- Physical	DISTILLATES (PETROLEUM),	95%	64742-54-7
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable	HYDROTREATED HEAVY		
		Liquid	Steel Drum		Ambient		- Health Skin	PARAFFINIC		
		Type			Temperature		Corrosion	DISTILLATES (PETROLEUM),	5%	64742-65-0
		Mixture	Days on Site: 365		Ambient		Irritation	SOLVENT-DEWAXED HEAVY		
								PARAFFINIC		
	MOBILGEAR 600 XP 220	Gallons	100	5	70	0	- Physical	DISTILLATES (PETROLEUM),		
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable	HYDROTREATED HEAVY OIL		
		Liquid	Plastic/Non-metalic Drum		Ambient		- Health Skin			
		Type			Temperature		Corrosion			
		Pure	Days on Site: 365		Ambient		Irritation			
	WASTE OIL	Gallons	110	55	110	1000	- Physical	DISTILLATES (PETROLEUM),		
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable	HYDROTREATED HEAVY OIL		
		Liquid	Steel Drum		Ambient		- Health Skin			
		Type			Temperature		Corrosion			
		Waste	Days on Site: 365		Ambient		Irritation			
							- Health Serious			
							Eye Damage Eye			
							Irritation			
							- Health Hazard			
							Not Otherwise			
							Classified			
Combustible Liquid, Class II	Air Compressor oil SL 200	Gallons	55	5	55		- Physical	Distallate petroleum		64742-54-7
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable			
		Liquid	Plastic/Non-metalic Drum		Ambient		- Health Skin			
		Type			Temperature		Corrosion			
		Pure	Days on Site: 365		Ambient		Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812				
Facility Name	SAC COGENERATION AUTHORITY II				PCM BLD	Facility ID FA0008278				
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM				
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	FM-200	Pounds	485	182	182	0	- Physical Hazard	FM-200	99%	✓ 431890
	CAS No	State	Storage Container		Pressue	Waste Code	Not Otherwise Classified			
		Liquid	Cylinder		> Ambient		- Health Hazard			
		Type			Temperature		Not Otherwise Classified			
		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812			
Facility Name	SAC COGENERATION AUTHORITY II				PEAKER BATTERY ROOM		Facility ID	FA0008278			
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM			
							Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
	POCKET PLATE NiCAD BATTERY	Pounds	135	36	135	0	- Physical Hazard	ELECTROLYTE SOLUTION (18-28%	29%		1310-58-3
	CAS No	State	Storage Container		Pressue		Not Otherwise	KOH)			
		Liquid	Other		Ambient	Waste Code	Classified	NICKEL (AS NICKEL AND NICKEL	9%		7440-02-0
		Type			Temperature		- Health Acute	HYDROXIDE)			
		Mixture	Days on Site: 365		< Ambient		Toxicity	CADMIUM (AS CADMIUM AND	8%		7440-43-9
							- Health Hazard	CADMIUM HYDROXIDE)			
							Not Otherwise	LITHIUM HYDROXIDE	1%		1310-66-3
							Classified	COBALT (AS COBALT HYDROXIDE)	0%		7440-48-4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				Peaker Cooling system		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 6.1 - Toxic Substances	glycol	Gallons	550	550	550			propylene glycol	100%	55-57-6
Toxic	CAS No	State	Storage Container		Pressue	Waste Code				
	55-57-6	Liquid	Other		> Ambient					
		Type			Temperature					
		Mixture			> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location		CERS ID	10217812		
Facility Name	SAC COGENERATION AUTHORITY II				PLANT WIDE		Facility ID	FA0008278		
	5000 83RD ST , SACRAMENTO 95826						Status	Submitted on 2/26/2024 4:05 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	3DT231 INHIBITOR	Gallons	400	400	200	0	- Health Skin	PHOSPHORIC ACID	5%	7664-38-2
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion Irritation	SUFURIC ACID	5%	✓ 7664-93-9
		Liquid	Tank Inside Building		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812				
Facility Name	SAC COGENERATION AUTHORITY II				Shop	Facility ID FA0008278				
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM				
								Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name		
			Max. Daily	Largest Cont.	Avg. Daily			% Wt	EHS	CAS No.
	Compressed Air	Cu. Feet	1000	225	500			Compressed air		
	CAS No	State	Storage Container		Pressue	Waste Code				
		Gas	Cylinder							
		Type			Temperature					
		Pure	Days on Site: 365							

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II	Chemical Location	CERS ID	10217812
Facility Name	SAC COGENERATION AUTHORITY II	SPARE TRANSFORMER	Facility ID	FA0008278
	5000 83RD ST , SACRAMENTO 95826		Status	Submitted on 2/26/2024 4:05 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	UNIVOLT N61B TRANSFORMER OIL	Gallons	9430	9430	9430	0	- Physical Hazard			
	CAS No	State	Storage Container		Pressue	Waste Code	Not Otherwise Classified			
		Liquid	Other		Ambient		- Health Skin			
		Type			Temperature		Corrosion			
		Pure	Days on Site: 365		Ambient		Irritation			
							- Health Serious			
							Eye Damage Eye			
							Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812			
Facility Name	SAC COGENERATION AUTHORITY II				STEAM TURBINE ENCLOSURE	Facility ID FA0008278			
	5000 83RD ST , SACRAMENTO 95826					Status Submitted on 2/26/2024 4:05 PM			
					Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily		Component Name	% Wt	EHS CAS No.
	MOBIL DTE 732 ST OIL	Gallons	1800	1900	1750	0	- Physical Hazard		
	CAS No	State	Storage Container		Pressue	Waste Code	Not Otherwise		
		Liquid	Aboveground Tank, Steel Drum		Ambient		Classified		
		Type			Temperature		- Health Skin		
		Pure	Days on Site: 365		Ambient		Corrosion		
							Irritation		



## Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SAC COGENERATION AUTHORITY II				Chemical Location	CERS ID 10217812					
Facility Name	SAC COGENERATION AUTHORITY II				WATER TREATMENT BUILDING				Facility ID	FA0008278	
	5000 83RD ST , SACRAMENTO 95826							Status	Submitted on 2/26/2024 4:05 PM		
				Quantities			Annual Waste	Federal Hazard	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS	CAS No.
	LIQUID CAUSTIC SODA, 50%	Gallons	10000	10000	4000	0	- Physical	SODIUM HYDROXIDE	50%		1310-73-2
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To	WATER	50%		7732-18-5
		Liquid	Tank Inside Building		Ambient		Metal				
		Type			Temperature		- Health Skin				
		Mixture	Days on Site: 365		Ambient		Corrosion				
							Irritation				
							- Health				
							Respiratory Skin				
							Sensitization				
							- Health Serious				
							Eye Damage Eye				
							Irritation				
	SODIUM SULFITE	Pounds	1750	50	600	0	- Health Skin				
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion				
	7757-83-7	Solid	Bag		Ambient		Irritation				
		Type			Temperature		- Health Serious				
		Pure	Days on Site: 365		Ambient		Eye Damage Eye				
							Irritation				
	Sodium Bicarbonate	Pounds	200	40	150		- Health Skin	sodium bicarbonate	100%		144-55-8
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion				
	144-55-8	Solid	Bag		Ambient		Irritation				
		Type			Temperature		- Health				
		Pure	Days on Site: 365		Ambient		Respiratory Skin				
							Sensitization				
							- Health Serious				
							Eye Damage Eye				
							Irritation				

# SCA COGEN II EQUIPMENT OUTAGES

## 2024 Annual Outage Data

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### *Gas Turbine 1A*

Outage type	Forced Outage			
	Off Line	On Line	Duration (hrs)	Reason
	1/21/2024 11:54:00 PM	1/22/2024 4:54:00 AM	5.000	
	1/26/2024 2:45:00 PM	1/26/2024 9:31:00 PM	6.767	VIBRATION ISSUES
	5/18/2024 6:12:00 PM	5/19/2024 3:37:00 AM	9.417	FORCED OUTAGE
	8/12/2024 4:19:00 PM	8/13/2024 11:27:00 AM	19.133	TORN BOOT
	8/28/2024 12:45:00 PM	8/28/2024 1:40:00 PM	0.917	TROUBLE REACHING BASE LOAD
	8/28/2024 2:22:00 PM	8/28/2024 3:27:00 PM	1.083	TROUBLE REACHING BASE LOAD
	10/18/2024 12:47:00 AM	10/18/2024 8:20:00 AM	7.550	High Vibes
	11/23/2024 7:24:00 AM	11/23/2024 4:22:00 PM	8.967	T86 LOCK OUT RELAY
Total Outage Hours for Forced Outage (8 Events)			58.833	

Outage type	Maintenance Run			
	Off Line	On Line	Duration (hrs)	Reason
	8/28/2024 1:41:00 PM	8/28/2024 2:21:00 PM	0.667	Test Run
	10/22/2024 4:06:00 PM	10/22/2024 7:25:00 PM	3.317	Testing CT1A for Vibes
Total Outage Hours for Maintenance Run (2 Events)			3.983	

Outage type	PSO Dispatched			
	Off Line	On Line	Duration (hrs)	Reason
	1/1/2024	1/4/2024 3:21:00 AM	75.350	PSO Dispatch
	1/14/2024 11:17:00 PM	1/15/2024	0.717	PSO Dispatch
	2/17/2024 12:25:00 AM	2/17/2024 4:30:00 AM	4.083	PSO DISPATCH
	5/4/2024	5/4/2024 4:30:00 AM	4.500	PSO Dispatch
	5/4/2024 11:30:00 AM	5/6/2024 4:18:00 PM	52.800	PSO Dispatch
	5/19/2024 3:38:00 AM	5/20/2024 8:05:00 AM	28.450	PSO DISPATCH
	6/16/2024 8:35:00 PM	6/17/2024 12:01:00 AM	3.433	PSO DISPATCH
	7/13/2024 2:20:00 AM	7/13/2024 4:29:00 AM	2.150	PSO DISPATCH
	8/13/2024 11:28:00 AM	8/14/2024 1:33:00 PM	26.083	PSO DISPATCH

# SCA COGEN II EQUIPMENT OUTAGES

## 2024 Annual Outage Data

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8/17/2024 8:18:00 AM	8/20/2024 2:02:00 PM	77.733	
8/22/2024 12:15:00 AM	8/24/2024	47.750	PSO DISPATCH
8/31/2024 11:15:00 PM	9/1/2024	0.750	END OF MONTH CLOSE OUT
9/1/2024 12:01:00 AM	9/4/2024 3:01:00 PM	87.000	PSO DISPATCH
Total Outage Hours for PSO Dispatched (13 Events)		410.800	

Outage type	Scheduled Outage			
	Off Line	On Line	Duration (hrs)	Reason
	1/15/2024 12:01:00 AM	1/20/2024 11:58:00 AM	131.950	Scheduled Outage
	1/25/2024 4:18:00 PM	1/25/2024 6:43:00 PM	2.417	Scheduled Outage
	2/17/2024 4:31:00 AM	2/17/2024 11:01:00 AM	6.500	SCHEDULED OUTAGE
	3/11/2024 11:02:00 PM	3/22/2024 4:03:00 PM	257.017	SCHEDULED OUTAGE
	4/11/2024 7:00:00 AM	4/15/2024 7:06:00 PM	108.100	Scheduled Outage
	5/4/2024 4:31:00 AM	5/4/2024 11:29:00 AM	6.967	Scheduled outage
	6/17/2024 12:02:00 AM	6/19/2024 10:26:00 AM	58.400	Scheduled Outage
	6/19/2024 12:16:00 PM	6/19/2024 2:59:00 PM	2.717	SCHEDULED OUTAGE
	7/13/2024 4:30:00 AM	7/13/2024 11:41:00 AM	7.183	MONTHLY OUTAGE
	8/24/2024 12:01:00 AM	8/28/2024 10:27:00 AM	106.433	SCHEDULED OUTAGE
	10/19/2024 6:00:00 AM	10/22/2024 4:05:00 PM	82.083	TEST RUN AFTER OUTAGE
	10/22/2024 7:26:00 PM	10/23/2024 10:05:00 AM	14.650	MONTHLY OUTAGE
	12/14/2024 4:30:00 AM	12/14/2024 3:49:00 PM	11.317	Monthly outage
Total Outage Hours for Scheduled Outage (13 Events)			795.733	
Total Outage Hours for Gas Turbine 1A (36 Events)			1,269.350	

# SCA COGEN II EQUIPMENT OUTAGES

## 2024 Annual Outage Data

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### *Gas Turbine 1B*

#### Outage type      Forced Outage

Off Line	On Line	Duration (hrs)	Reason
7/14/2024 1:22:00 PM	7/14/2024 2:02:00 PM	0.667	LEL Monitor Issues
9/7/2024 6:01:00 PM	9/11/2024 5:15:00 PM	95.233	DAMAGED VSV ACTUATOR
9/11/2024 5:16:00 PM	9/11/2024 6:16:00 PM	1.000	FUEL LEAK
11/23/2024 9:46:00 AM	11/23/2024 10:53:00 AM	1.117	B LP LOW LEVEL TRIP
12/31/2024 3:50:00 PM	12/31/2024 11:59:00 PM	8.150	END OF MONTH/GSU 1 Outage
Total Outage Hours for Forced Outage (5 Events)		106.167	

#### Outage type      PSO Dispatched

Off Line	On Line	Duration (hrs)	Reason
2/18/2024 12:52:00 AM	2/18/2024 4:30:00 AM	3.633	PSO DISPATCH
3/28/2024 6:39:00 PM	3/31/2024 11:59:00 PM	77.333	MONTH END
4/1/2024 12:01:00 AM	4/11/2024 8:00:00 AM	247.983	MONTHLY OUTAGE
4/20/2024 12:46:00 PM	4/21/2024 3:46:00 PM	27.000	PSO DISPATCH
4/23/2024 2:15:00 AM	4/30/2024 11:59:00 PM	189.733	END OF MONTH CLOSE
5/1/2024	5/3/2024 4:30:00 AM	52.500	PSO Dispatch
5/6/2024 6:18:00 PM	5/11/2024 2:11:00 PM	115.883	PSO DISPATCH
5/12/2024 2:30:00 AM	5/18/2024 7:12:00 PM	160.700	PSO DISPATCH
5/20/2024 9:30:00 AM	5/31/2024 3:40:00 PM	270.167	PSO Dispatch
6/1/2024 12:45:00 AM	6/1/2024 4:30:00 AM	3.750	PSO Dispatch
6/1/2024 8:15:00 PM	6/4/2024 12:15:00 PM	64.000	PSO DISPATCH
6/7/2024 12:11:00 AM	6/16/2024 7:01:00 PM	234.833	PSO DISPATCH
6/19/2024 11:00:00 PM	6/21/2024 9:45:00 PM	46.750	PSO Dispatched
7/13/2024 2:02:00 PM	7/14/2024 1:21:00 PM	23.317	PSO Dispatch
7/14/2024 2:03:00 PM	7/15/2024 12:01:00 AM	9.967	PSO Dispatch
7/27/2024 4:15:00 AM	7/28/2024 3:15:00 PM	35.000	PSO REQUEST
8/10/2024 8:18:00 AM	8/12/2024 2:13:00 PM	53.917	PSO DISPATCH
9/7/2024 3:30:00 AM	9/7/2024 4:29:00 AM	0.983	PSO Dispatch

# SCA COGEN II EQUIPMENT OUTAGES

## 2024 Annual Outage Data

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9/11/2024 8:15:00 PM	9/22/2024 2:48:00 PM	258.550	PSO DISPATCH
Total Outage Hours for PSO Dispatched (19 Events)		1,876.000	

Outage type	Scheduled Outage			
	Off Line	On Line	Duration (hrs)	Reason
	1/22/2024 11:58:00 PM	1/25/2024 2:31:00 PM	62.550	Scheduled Outage
	2/18/2024 4:31:00 AM	2/18/2024 11:00:00 AM	6.483	SCHEDULED OUTAGE
	3/13/2024 10:05:00 PM	3/28/2024 6:01:00 PM	355.933	
	4/11/2024 8:01:00 AM	4/16/2024 4:00:00 PM	127.983	MONTYLY OUTAGE
	5/3/2024 4:31:00 AM	5/3/2024 2:00:00 PM	9.483	Scheduled Outage
	6/1/2024 4:31:00 AM	6/1/2024 2:30:00 PM	9.983	MAINT OUTAGE
	7/15/2024 12:02:00 AM	7/17/2024 11:02:00 AM	59.000	Scheduled Outage
	9/7/2024 4:30:00 AM	9/7/2024 6:00:00 PM	13.500	Scheduled Outage
	10/15/2024	10/25/2024 2:17:00 PM	254.283	FALL OUTAGE
	12/15/2024 4:30:00 AM	12/15/2024 3:37:00 PM	11.117	MONTHLY OUTAGE
Total Outage Hours for Scheduled Outage (10 Events)			910.317	
Total Outage Hours for Gas Turbine 1B (34 Events)			2,892.483	

# SCA COGEN II EQUIPMENT OUTAGES

## 2024 Annual Outage Data

Page 5 of 5

### *Steam Turbine*

Outage type	Forced Outage			
	Off Line	On Line	Duration (hrs)	Reason
	1/4/2024 3:19:00 PM	1/4/2024 5:58:00 PM	2.650	
	1/22/2024 12:03:00 AM	1/22/2024 1:05:00 AM	1.033	
	4/30/2024 10:00:00 AM	4/30/2024 2:08:00 PM	4.133	Forced Outage
	5/6/2024 6:26:00 PM	5/6/2024 7:25:00 PM	0.983	Trip
	5/18/2024 6:12:00 PM	5/18/2024 8:57:00 PM	2.750	TRIP
	6/15/2024 7:39:00 PM	6/16/2024 12:46:00 AM	5.117	SPEED SENSOR FAILURE
	10/18/2024 12:47:00 AM	10/18/2024 5:59:00 AM	5.200	CT1A Tripped
	11/23/2024 7:24:00 AM	11/23/2024 4:32:00 PM	9.133	T86 LOCK OUT RELAY
	11/26/2024 12:16:00 AM	11/26/2024 8:06:00 AM	7.833	S.T L/O PUMP COUPLING FAILED
Total Outage Hours for Forced Outage (9 Events)			38.833	

Outage type	Scheduled Outage			
	Off Line	On Line	Duration (hrs)	Reason
	1/18/2024 9:01:00 AM	1/18/2024 10:29:00 PM	13.467	Scheduled Outage
	3/12/2024 12:02:00 AM	3/31/2024 11:59:00 PM	479.950	MONTH END
	4/1/2024 12:01:00 AM	4/17/2024 11:03:00 AM	395.033	SCHEDULED OUTAGE
	4/17/2024 3:06:00 PM	4/17/2024 4:26:00 PM	1.333	
	6/25/2024 8:20:00 AM	6/25/2024 11:36:00 AM	3.267	PEED SENSOR SCHEDULED OUTAG
	7/16/2024 8:03:00 AM	7/16/2024 10:03:00 AM	2.000	ETHOS OUTAGE
	10/18/2024 6:00:00 AM	10/23/2024 3:10:00 PM	129.167	MONTHLY OUTAGE
Total Outage Hours for Scheduled Outage (7 Events)			1,024.217	

Total Outage Hours for Steam Turbine (16 Events)			1,063.050	
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<b>PROCTER AND GAMBLE COGENERATION PROJECT</b> <b>CONDITIONS OF CERTIFICATION</b>							
<b>NO.</b>	<b>CONDITION DESCRIPTION AND VERIFICATION</b>	<b>RP</b>	<b>AGENCY/ DUE DATE</b>	<b>SUBMITTAL DATE/NO</b>	<b>APPROVAL DATE</b>	<b>STATUS</b>	<b>COMMENTS</b>
<b>AIR QUALITY</b>							
AQ-1	Facilities Operation – Maintain all equipment, facilities and systems in good working order to comply with emissions regulations.	SC	Refer to AQ-2	N/A	N/A	N/A	
AQ-2	Malfunction – Notify SMAQMD when emissions exceed allowable limits or monitoring equipment breaks down.	SC	SMAQMD, CEC Report as required	N/A	N/A	N/A	Copies of breakdown reports submitted as req'd
AQ-3	Right of entry – Allow SMAQMD reps to enter premises, access records, inspects equipment and sample emissions.	SC	CEC Letter required 30 days before turbine roll.	16 Aug 96 SCA 96-219	N/A	5	
AQ-4	Public Nuisance – Prevent air contaminants, which cause a public nuisance.	SC	Refer to AQ-2	N/A	N/A	N/A	
AQ-5	Prevent any visible air contaminant other than water vapor with 20% opacity for more than 3 minutes in any 1-hour.	SC	Refer to AQ-2	N/A	N/A	N/A	
AQ-6	Use only natural gas fuel for combustion turbines, duct burners and auxiliary boiler.	SC	Record per AQ-32	N/A	N/A	N/A	
AQ-7	Provide stack sampling ports and platforms.	WC	Refer to AQ-3	N/A		5	
AQ-8	Provide appropriate record format in compliance with listed permit conditions.	WC	SMAQMD Record format approval 60 days before start up.	27 Mar 96 (fax)		5	
AQ-9	Severability – Invalidation of any provision of conditions does not affect remaining conditions.	N/A	N/A	N/A	N/A	N/A	
AQ-10	Emissions shall not exceed listed limits on a pound per hour basis.	SC	SMAQMD Record per AQ-32	N/A	N/A	2	Record keeping in progress.
AQ-11	Emissions shall not exceed listed limits on a pound per calendar day basis.	SC	Record per AQ-32	N/A	N/A	2	Record keeping in progress.
AQ-12	Emissions shall not exceed listed limits on a quarterly basis.	SC	Record per AQ-32	N/A	N/A	2	Record keeping in progress.
AQ-13	Emissions from combined cycle combustion turbines and duct burners shall not exceed listed limit for nitrogen oxide.	SC/WC	Record per AQ-32	N/A	N/A	2	Record keeping in progress.
AQ-14	Emission from simple cycle combustion turbine shall not exceed listed limit for nitrogen oxide.	SC/WC	Record per AQ-32	N/A	N/A	2	Record keeping in progress

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**PROCTER AND GAMBLE COGENERATION PROJECT**  
**CONDITIONS OF CERTIFICATION**

NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
AQ-15	Emission from auxiliary boiler shall not exceed listed limit for nitrogen oxide.	SC/WC	Record per AQ-32	N/A	N/A	2	Record keeping in progress
AQ-16	Emission from auxiliary boiler shall not exceed listed limit for nitrogen oxide.	SC/WC	Record per AQ-32	N/A	N/A	2	Record keeping in progress.
AQ-17	Emission form combined cycle combustion turbines and duct burners shall not exceed listed limit for ammonia.	SC/WC	Record per AQ-32	N/A	N/A	2	Record keeping in progress.
AQ-18	Emission from simple cycle combustion turbine shall not exceed limit for ammonia	SC/WC	Record per AQ-32	N/A	N/A	N/A	Record keeping in progress
AQ-19	Emission for auxiliary boiler shall not exceed listed limit for ammonia.	SC/WC	Record per AQ-32	N/A	N/A	N/A	Amendment (SCA 95-180, 9 Nov 95) approved.
AQ-20	HRSG Duct Burner shall not be operated separate from combustion turbine and SCR.	SC	Record per AQ-32	N/A	N/A	N/A	
AQ-21	Combined cycle combustion turbine shall not be operated separate from SCR and oxidizing catalyst system.	SC	Record per AQ-32	N/A	N/A	2	
AQ-22	Combined cycle combustion turbine start-up period shall not exceed 60 minutes.	SC/WC	Record per AQ-32	N/A	N/A	2	
AQ-23	Simple cycle combustion turbine shall not operate without SCR and oxidizing catalyst system.	SC	Record per AQ-32	N/A	N/A	N/A	
AQ-24	Simple cycle combustion turbine start-up period shall not exceed 30 minutes.	SC/WC	Record per AQ-32	N/A	N/A	N/A	
AQ-25	Auxiliary boilers shall not operate without SCR.	SC	N/A	N/A	N/A	N/A	Amendment (SCA 95-180 9 Nov 95) approved.
AQ-26	Auxiliary boiler shall not exceed listed capacity limit.	SC	Record per AQ-32	N/A	N/A	2	Record keeping in progress
AQ-27	Cooling tower water treatment chemicals shall not contain chromium.	SC	Record per AQ-32	28 Jan 98	N/A	5	
AQ-28	Cooling tower water shall not exceed 2000 PPMW total dissolved solids.	SC	Record per AQ-32	N/A	N/A	2	
AQ-29	Cooling towers drift rate shall not exceed 0.0006%. Owner shall provide Manufacturer's Statement meeting these criteria.	WC	CEC 30 days before installation	17 Jul 95 J/CEC20 12 Jan 98 CA 98-003	N/A	5	

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# PROCTER AND GAMBLE COGENERATION PROJECT

## CONDITIONS OF CERTIFICATION

NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
AQ-30	Provide written notice of: A - Start of construction date (30 days after) B - Anticipated initial start-up date (60 days before) C - Actual start-up date (15 days after) D - Changes which increase emissions (60 days before) E - Continuous monitoring system on site demonstration date (30 days before)	WC	SMAQMD, CEC as required for each item.	17 Jul 95 J/CEC-019 21 Jul 95 J/CEC-056 20 Jan 97 J/SMAQ-10 12 Jan 96 SCA 98-003	N/A	A-5 B-5 C-5 D-N/A E-5	Construction notice to SMAQMD. Start-up notice to SMAQMD. RATA and source test notification 12/11/96.
AQ-31	Conduct performance test as required. Provide notice of performance test to APCD Officer.	WC	SMAQMD, CEC No later than 60 days after reaching max output.	11 Dec 96	N/A	5	
AQ-32	Maintain records as required for 2-year period. Report excess emissions quarterly to APCD Office	SC	SMAQMD, CEC 30 days after end of quarter	Qtrly	N/A	2	Record keeping in progress.
AQ-33	Install approved "in stack" continuous emission monitoring systems as required.	WC	SMAQMD Submit equip for approval 60 days before purchase. CEC Advise that equip is installed before start-up	31 Aug 95 SMAQ-002 28 Nov 95 001 27 Feb 97 J/CEC-073		5	
AQ-34	Install approved continuous monitoring system for fuel consumption at combustion turbines and duct burners.	WC	SMAQMD Submit equip for approval 60 days before purchase. CEC Advise that equip is installed before start-up	31 Aug 95 SMAQ-002 28 Nov 95 001 27 Feb 97 J/CEC-073		5	Meters certified annually

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# PROCTER AND GAMBLE COGENERATION PROJECT

## CONDITIONS OF CERTIFICATION

NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
AQ-35	Install approved continuous monitoring system for fuel consumption at auxiliary boiler.	WC	SMAQMD Submit equip for approval 60 days before purchase. CEC Advise that equip is installed before start-up	31 Aug 95 SMAQ-002 28 Nov 95 001		5	Meter certified annually
AQ-36	Install approved continuous monitoring system for conductivity of circulating cooling water.	WC	SMAQMD Submit equip for approval 60 days before purchase.	10 May 96 SMAQ-005	18 Jul 96	5	
AQ-37	Install approved continuous monitoring system for exhaust gas flow in exhaust stacks.	WC	SMAQMD Submit equip for approval 60 days before purchase.	31 Aug 95 SMAQ-002 28 Nov 95 001		5	
AQ-38	Prepare source test plan and conduct compliance testing for chemical compounds as listed.	WC	SMAQMD, CEC Plan – 30 days before test Results – 30 days after test	4 Dec 96 SMAQ-009 24 Apr 97		5	Source test plan submitted. Compliance testing is scheduled in qtr 1 each year
AQ-39	Prepare source test plan and conduct testing annually for chemical compounds as listed	SC/WC	SMAQMD, CEC Plan – 30 days before test Results – 60 days after test	Completed Annually		WC-5 SC-2	Source test plan submitted. Compliance testing is scheduled in qtr 1 each year
AQ-40	Provide emission reduction credit certificates and calculations as required.	SC	Refer to AQ-42	9 Jul 95 SCA 95-083	N/A	5	
AQ-41	Submit copies of SMAQMD banking certificated as required.	SC	CEC 45 days before start-up	6 Aug 96 SCA 96-214	N/A	5	
AQ-42	Submit copies of SMAQMD banking certificated as required.	SC	CEC 45 days before start-up	6 Aug 96 SCA 96-214	N/A	5	Certificates surrendered for peaking unit
AQ-43	Submit copies of SMAQMD banking certificated as required.	SC	CEC 45 days before start-up	6 Aug 96 SCA 96-214	N/A	5	Certificates surrendered for Peaking unit
AQ-44						N/A	DELETED

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<b>NO.</b>	<b>CONDITION DESCRIPTION AND VERIFICATION</b>	<b>RP</b>	<b>AGENCY/ DUE DATE</b>	<b>SUBMITTAL DATE/NO</b>	<b>APPROVAL DATE</b>	<b>STATUS</b>	<b>COMMENTS</b>
AQ-45	Obtain approval of design and operational parameters of emission control systems as required.	WC	CEC 120 days before construction	24 Feb 95 MISC-021	18 Apr 95	5	
AQ-46	Obtain SMAQMD permit to operate.	SC	CEC 180 days after commercial op	8 Sep 97 SCA 97-065		5	Current Permits to Operate issued Aug 11 2011. Renewed annually
AQ-47	Include measures to mitigate fugitive dust in grading and erosion control plan.	WC	CEC Submit plan 60 days before construction.	14 Jun 95 J/CEC-007	N/A	5	
AQ-48	Minimize vehicle emissions as required.	SC/WC	Record per AQ-48	N/A	N/A	5	Use of diesel driven construction equipment concluded.
AQ-49	Surrender emission reduction credits to SMAQMD as required.	SC	CEC 30 days after amendment request			5	Amendment Pending for New Aux boiler
AQ-50	As each turbine is upgraded owner /operator shall engage in a period of commissioning as defined in this condition.	SC	CEC 10 days prior to commissioning, 60 days after commissioning	4/2/09		5	Pre and post upgrade reports submitted for all units
AQ-51	Within 60 days of completion of each turbine's upgrade a Source test and CEMs accuracy test shall be performed	SC	CEC 30 days prior to testing, 60 days after testing	5/12/09		5	Post upgrade testing performed on all units
<b>BIOLOGICAL RESOURCES</b>							
<b>CULTURAL RESOURCES</b>							
<b>EFFICIENCY CONFORMANCE</b>							
BIO-1	Submit to CEC: -Name and qualification of designated biologist	WC (site) SC (T/L)	CEC 60 days before ground disturbance.	15 Mar 95 MISC-039 SCA 95-001	18 Apr 95	WC-5 SC-5	D. Martin
BIO-2	Biologist must: -Advise supervising construction -Supervise or conduct mitigation	WC (site) SC (T/L)	CEC Monthly	N/A	N/A	WC-5 SC-5	Biological monitoring no longer required.
BIO-3	Act on biologist's advice to ensure conformance.	WC (site) SC (T/L)	CEC within one day of non-compliance		N/A	5	

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**PROCTER AND GAMBLE COGENERATION PROJECT**  
**CONDITIONS OF CERTIFICATION**

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BIO-4	Submit to CEC: -Program for employee awareness of biological resource sensitivities.	WC (site) SC (T/L)	CEC 30 days before construction.	7 Mar 95 SCA 95-061 8 Jun 95 J/CEC-006	6 Sep 95	5	
BIO-5	Submit to CEC: -Biological resources mitigation implementation and monitoring plan (bio-plan).	WC (site) SC (T/L)	CEC 60 days before operations.	1 Mar 95 SCA 95-023 15 Jun 95 J/CEC-014	6 Sep 95	WC-5 SC-5	
BIO-6	Provide Non-refundable \$100,000 for mitigation of impacts.	SC	CEC 60 days after CEC decision.	2 Jun 95 SCA 95-079	N/A	5	
BIO-7	Submit to CEC: -Aerial photo of site or methodology to assess extent of disturbance. Provide written analysis of mitigation required.	SC/WC	CEC 90 days before construction. 180 days after completion.	1 Jun 95 SCA 95-134 14 Jun 95 J/CEC-011 22 Nov 95 SCA 95-182 15 Jan 96 SCA 96-003 31 Oct 96 SCA 96-275 21 Mar 97 J/CEC-075	8 Sep 95 3 Oct 95 17 Jan 96 25 Nov 96	5	
BIO-8	Comply with Federal Endangered Species Act requirements: -Regarding "Take" of Fairy Shrimp	SC	CEC Submit permit within 10 days of receipt.	27 Sept 95 SCA 95-179	N/A	5	
CUL-1	Submit to CEC: -Name of project cultural resource specialist.	SC, WC	CEC Before construction.	15 Mar 95 MISC-037 4 Jan 95 SCA 95-001	18 Apr 95	5	C. Kristina Roper
CUL-2	Submit to California Energy Commission: -Description of instructions and procedures for employees to recognize and report cultural resources.	SC, WC	CEC 30 days before construction.	8 Jun 95 J/CEC-006 7 Mar 95 SPA 95-061	6 Sep 95 (SCA)	5	

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CUL-3	Cultural Specialist to be prepared to monitor.	SC/WC	CEC Before construction.	14 Jun 95 J/CEC-012 31 Aug 95 SCA 95-166	N/A	5	
EFF-1	Maintain monthly records of: -Fuel consumption -Electrical energy produced	SC	CEC Annually		N/A	2	Record keeping in progress. Efficiency calcs submitted in ACR
<b>FACILITY DESIGN</b>							
<b>GEOLOGY RESOURCES</b>							
<b>HAZARDOUS MATERIAL HANDLING</b>							
FDG-1	Submit to City Building Department: -Schedule of Structural Plan Submittal -Drawing List -Specification List	WC	CEC, CBO 60 days before construction.	30 Oct 95 WC/J-027	N/A	5	
FDG-2	Make payments to CBO for plan review and permits. Submit copies of permits with monthly compliance report.	WC	CEC 30 days after payment.	27 Mar 97 WC-J/CEC- 078	N/A	5	
FDC-3	Submit to City Building Department: -Names of Resident Construction Engineers Civil Engineer, Civil Engineer (Soils), Structural Engineer (CA) and Mechanical Engineer	WC	CEC, CBO 14 days before construction.	12 Dec 94 MISC-008 25 Apr 95 CEC-046 31 May 95 CEC-005		5	R. Raymaker (C-053578) J. Johnson (M-029604) J. Toccalino (C-35568) N. Lee (C-34968)
FDG-4	Submit to CBO for review and with copy of CEC name(s) and qualifications certified special inspector(s).	WC	CEC, CBO 14 days before special activity.	28 Sept 95 SCA Itr-019 22 Mar 96 SCA-045		5	
FDE-5	Assign to project a responsible electrical engineer, registered in CA, responsible for electric design of project.	BV, SC	CEC, CBO 14 days before electrical drawing submittals.	12 Dec 94 MISC-008 31 Jul 95 SCA 95-128		5	M. Brase (E-15024) E. Franciosa (E-13383)

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FDC-6	Submit to City Building Department: -Drainage, Grading Plan -Sediment Control Plan -Related Calcs and Specs	WC	CBO 14 days before construction.	11 Apr 95	12 Jun 95	5	
FDC-7	When geologist identifies unforeseen adverse geologic conditions: -Prepare and submit modified plans based on new conditions. -Obtain CBO approval before resuming work.	WC	CEC 5 days after CBO approval.			N/A	Excavation complete. No adverse geologic conditions found.
FDG-8	Submit to City Building Department: -Plans, Specs, Calcs and QA/QC procedure for initial construction activity.	WC	CBO 30 days before construction.			5	
FDC-9	All plant site grading is subject to inspection. Transmit non-conformance report (NCR) and proposed correction action to SCO & CEC CPM.	WC	CBO, CEC CPM 5 days after occurrence.	6 Nov 95 J/SMUD-006		5	Site grading complete.
FDC-10	After completion of finish grading, submit to CBO responsible civil engineer's signed statement that: -Installation of facilities and all erosion control measures were completed in accordance with final approved combined grading plan. -Facilities are adequate for intended function.	WC	CBO, CEC CPM 30 days after final grading.	25 Mar 97 WC-J/CEC- 076	N/A	5	
FDS-11	Submit to City Building Department: -Design and drawing for foundations, structures tank.	SC/WC	CEC, CBO 30 days before construction.	19 Sep 95 SCA 95-173	2 Nov 95 (WC) 24 Oct 95 (SCA)	WC-5 SC-5	
FDG-12	Obtain CBO approval of completed work. Submit marked-up "as-built" drawing for construction CBO.	SC	CBO, CEC CPM 15 days after completion.			5	

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FDS-13	Submit to CBO: -Concrete cylinder strength test reports -Concrete pour sign-off sheets -Field weld inspection reports -Reports covering other structure activities requiring special inspections.	WC	CBO monthly 5 days after discrepancy for NCR.	22 Nov 95 J/SCA-036 17 Nov 95 J/SCA-034 8 Jan 97 J/SCA-231 28 Jan 97 J/SCA-232		5	
FDM-14	Submit to CBO for review and approval proposed final design drawings specifications, calculations and QC procedures for plant piping system.	WC	CBO 30 days before construction.			5	
FDM-15	For all pressure vessels, submit code certification papers and other documents required.	WC	CBO 30 days before installation.	20 Sep 96 CEC-061 21 Feb 97 CEC-071		5	Annual pressure vessels inspections performed
FDM-16	Before construction, submit to CBO HVAC and refrigeration calculations, plans and specs.	WC	CBO 30 days before installation.			5	
FDM-17	Submit for approval: -All plumbing systems -Building energy -Potable water systems -Temperature Control -Drainage systems -Water & Sewer -Toilet rooms	WC	CBO 30 days before construction of each increment.			5	
FDS-18	Submit to CBO design changes to final plans required by UBC 303.	WC	CBO 15 days before filing change.			5	Design changes incorporated in building permits.
FDE-19	Submit to City Building Department plans for the 13.8 kv and lower systems: -CBO statement verifying approval of installation.	WC	CBO before construction CEC 30 days before turbine roll.			5	

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FDE-20	Submit to CBO for review and approval: -Final plant design plans-Electrical -Final plant calculations -Signed statement by registered electrical engineer	WC	CEC 30 days before electrical installation.	30 Nov 95 J/CEC-034		5	Registered Elect, Engineer statement of conformance.
FDG-21	Keep CBO informed regarding status of construction. Submit weekly construction progress report to CBO.	SC	CBO weekly	8 Nov 95 J/SMUD-007 25 Apr 96 J/SMUD-008		5	
FDG-22	Provide CEC CPM with copy of Permit to Occupy.	WC	CEC 30 days before commercial operation.	25 Mar 97 J/CEC-077		5	
GEO-1	Submit to CEC: -Name of Project Geologist (California)	WC	CEC 30 days before construction.	12 Dec 94 MISC-009	7 Feb 95	5	John D. Matthey CEG 1236 Youngdahl & Assoc.
GEO-2	Engineering Geologist to: -Prepare Engineering Geology Report 10 days after grading permit application. -Monitor geologic conditions during construction. -Prepare Final Geologic Report 90 days after final grading.	WC	CEC as required for each item	8 Aug 95 WC/J-022 28 Feb 97 WC/J-072	N/A	5	
HAZ-1	List hazardous materials used in Reportable Quantities.	SC	CEC Annual Compliance Report.			N/A	Report submitted annually
HAZ-2	Construct spill containment structure. Provide design drawings and specifications for spill containment structures.	WC	CEC 60 days before construction of spill containment structure.	10 Nov 95 J/CEC-030	14 Dec 95	5	
HAZ-3	Prepare Safety Management Plan (Safety Plan)	SC, WC	CEC 60 days before operation.	31 Oct 96 WC-J/COS- 02 2 Jan 97 SCA 97-001 4 Mar 97 SPA 97-017	6 Mar 97	WC-5 SC-5	

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<b>PROCTER AND GAMBLE COGENERATION PROJECT</b> <b>CONDITIONS OF CERTIFICATION</b>							
NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
HAZ-4	Prepare Emergency Response Plan (Response Plan)	SC	CEC 60 days before operation.	25 Nov 96 SCA 96-283	6 Jan 97	5	
HAZ-5	Prepare Business Plan & Risk Management Prevention Plan.	SC, WC	CEC 90 days before operation.	31 Oct 96 WC-J/COS- 02 21 Nov 96 SCA 96-282 25 Nov 96 SCA 96-283 23 Jan 97 SCA 97-006	3 Mar 97	5	RMP filed, review & approval complete. Business plan updated and resubmitted annually
HAZ-6	Include in Safety Plan: -Copy of spill containment safety for HCl	SC	CEC Before delivery of HCl.			N/A	
HAZ-7	Develop and maintain hydrazine, delivery, handling and storage safety plan.	WC	CEC 60 days before delivery.	6 Sep 96	27 Sep 96	5	
<b>LAND USE</b>							
<b>NOISE</b>							
LAND USE-1	Submit to CEC: -Drawing showing permanent parking, building setback and landscape details.	WC	CEC 60 days before construction.	10 Nov 95 J/CEC-031	N/A	5	
NOISE-1	Publish in local newspaper(s): -Telephone number for public use to report undesirable noise from construction operations.	WC	CEC 10 days before construction.	14 Jun 95 J/CEC-010	N/A	5	
NOISE-2	File copy of Noise Complaint Resolution Form.	SC, WC	Sac. Planning Dep/CEC 30 days after receipt of complaint.	6 Dec 96 J/CEC-066 23 Jan 97 J/CEC-069	N/A	WC-5 WC-5	No Noise complaints filed in 2008
NOISE-3	Include Noise Control Program in Project Safety Program.	WC	CEC 30 days before construction.	20 Mar 95 MISC-040	18 Apr 95	5	
NOISE-4	Condition: -Conduct 24-hour community noise survey.	WC	Sac. Planning Dep/CEC 30 days after full load.	21 Mar 97 J/CEC-021	N/A	5	

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<b>PROCTER AND GAMBLE COGENERATION PROJECT</b> <b>CONDITIONS OF CERTIFICATION</b>							
NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
NOISE-5	Conduct occupational noise survey to identify noise hazardous areas.	WC	CEC 30 days after survey.	21 Mar 97 J/CEC-074 1 Dec 97 SCA 97-078 26 Jan 98 SCA 98-005		5	
NOISE-6	Insure that design, construction and installation phases comply with local Noise Ordinances.	WC	Sac Planning Dep/CEC After mitigation measures are completed.	17 Sep 96 CEC-058	N/A	5	
NOISE-7	Alert area residents within one-mile radius before start of steam blow activities. Advise CEC that notice has been given.	WC	CEC 5 days before steam blow.	17 Sep 96 CEC-059	N/A	5	Notice published 8 Nov 96, steam blow completed 24 Nov 96.
<b>PLANT RELIABILITY</b>							
PAL-1	Submit to CEC: -Name of Project Paleontology Resource Specialist	SC, WC	CEC 90 days before construction.	15 Mar 95 MISC-038 28 Aug 95 SCA 95-161	18 Apr 95 12 Sep 95	5	D. Lawler (SCA)
PAL-2	Submit to CEC: -Description of instructions and procedures for employees to recognize paleontology resources.	SC, WC	CEC 30 days before construction.	8 Jun 95 J/CEC-006 7 Mar 95 SCA 95-061	6 Sep 95 (SCA)	5	
PAL-3	PAL Specialist to be available.	SC, WC	CEC 30 days before construction	14 Jun 95 J/CEC-013 31 Aug 95 SCA 95-166	N/A	5	
REL-1	Maintain monthly plant reliability and maintenance data.	SC	CEC Annually		N/A	2	Record keeping in progress. Calcs provided in ACR
<b>SAFETY AND FIRE PROTECTION</b>							
SAFETY-1	Submit to CAL/OSHA & CEC: -Project Construction Safety and Health Program.	SC, WC	CEC 30 days before construction/operation.	20 Mar 95 MISC-041 2 Jan 97 SCA 97-001 30 Jan 97 SCA 97-009	16 Jan 97 6 Mar 97	WC-5 SC-5	

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<b>NO.</b>	<b>CONDITION DESCRIPTION AND VERIFICATION</b>	<b>RP</b>	<b>AGENCY/ DUE DATE</b>	<b>SUBMITTAL DATE/NO</b>	<b>APPROVAL DATE</b>	<b>STATUS</b>	<b>COMMENTS</b>
SAFETY-2	Submit to Sac. City Fire Dept. and CEC: -Project Fire Plan.	SC, WC	CEC 30 days before building construction/operation.	13 Jan 95 MISC-013 31 Oct 96 SCA 96-274 5 Dec 96 SCA 96-288 3 Mar 97 SCA 97-021 4 Aug 97 SCA 97-059 1 Sep 97 SCA 97-062	4 Aug 97	WC-5 SC-5	Construction Plan Complete Operations Plan pending City Fire Department approval.
SAFETY-3	Submit to Sac. City Fire Dept.: -Emergency Action Plan	SC, WC	CEC 30 days before construction/operation.	13 Jan 96 MISC-013 31 Oct 96 SCA 96-274 5 Dec 96 SCA 96-288 3 Mar 97	4 Aug 97	WC-5 SC-5	Construction Plan Complete. Operations Plan pending City Fire Department approval.
SAFETY-4	OSHA Program Manuals. Fire prevention plan, emergency action plan and relevant records on site.	SC, WC	CEC 30 days before construction/operation.	19 Mar 95 J/CEC-001 10 Mar 97 SCA 97-019	N/A	5	Plans are available at site office.
SAFETY-5	All exterior lighting to meet requirement in Visual Resources.	WC	CEC 60 days after construction.	6 Jun 96 CEC-052	N/A	5	
<b>SOCIOECONOMIC</b>							
<b>SOIL RESOURCES</b>							
SOCIO-1	Submit to CEC: -List of contractors, subcontractors and vendors guidelines for local hiring and procurement procedures.	WC	CEC 60 days before construction.	24 Feb 95 MISC-020 19 May 95 J/CEC-002	N/A	5	

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**PROCTER AND GAMBLE COGENERATION PROJECT**  
**CONDITIONS OF CERTIFICATION**

NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
SOCIO-2	Compensate local school district in Sacramento for costs associated with increased pupil enrollment from project construction. Provide results of worker survey to CEC CPM for review and comment.	WC	CEC 30 days after peak employment	24 Sep 96 CEC-063	N/A	5	
SOIL-1	Submit to Sacramento City and CEC: -Grading and Erosion Control Program	WC	CEC 60 days prior to grading.	14 Jun 95 J/CEC-007		5	
SOIL-2	Implement measures in City approved GEC Plan Report status of any re-vegetation efforts in annual compliance report.	WC	CEC 30 days after grading. Report annually.	30 Jan 97 J/CEC-070	N/A	5	Status reported in ACR
SOIL-3	Notice to CEC: -Start of construction -Start of transmission line -Completion of erosion control measures	SC/WC	CEC 2 week before start.	WC-31 May 95 J/CEC-004 Sc-4 Dec 95	7 Mar 97	5	
SOIL-4	Submit to CEC: -Notice of Intention (NOI) to Cal. State Water Resources Control Board for Construction Activity Storm Water Permit.	WC	CEC 2 weeks before construction.	18 Apr 95 CEC-045	N/A	5	Notice of termination of permit submitted to SWRCB 2 Feb 97.
<b>TRANSMISSION LINE SAFETY AND NUISANCE</b>							
TLSN-1	Submit statement from responsible electrical engineer, registered in CA , stating T-line will be designed and constructed in accordance with California Code of Regulations.	SC	CEC 30 days before construction.	19 Sep 95 SCA 95-172	24 Oct 95	5	
TLSN-2	Locate and correct causes of radio and TV interference attributed to T-line facilities. Maintain written records.	SC	CEC Annually		N/A	2	Update provided annually in the ACR
TLSN-3	Keep T-line right-of-way free of flammable material. Maintain written inspection reports.	SC	CEC Annually		N/A	2	Update provided annually in the ACR.
TLSN-4	Ensure that all ungrounded large permanent metallic objects in T-line right-of-way are grounded.	SC	CEC 10 days before energizing.		N/A	5	Transmission line energized 1 Oct 96.
TLSN-5	Prepare letter to all property owners within or adjacent to right-of-way containing: -Description of nature and operation of T-line.	SC	CEC 30 days before construction.	19 Mar 96 SCA 96-016 11 Apr 96 SCA 96-021	23 Apr 96 Verbal	5	Letters sent 27 Jun 96.
TLSN-6	Investigate all complaints from property owners. Maintain written records.	SC	CEC Annually		N/A	2	Update provided annually in the ACR

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NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
TLSN-7	-Select EMF Consultant -Select measurement locations -Take measurements -Submit results	SC	CEC Per requirements.	5 Sep 95 SCA 95-167 8 Jan 96 SCA 96-001 26 Aug 96 SCA 96-221 24 Dec 96 SCA 96-317	5 Oct 95 4 Sep 96 28 Jan 97	5	
<b>TRAFFIC AND TRANSPORTATION</b>							
TRANS-1	Comply with restriction on oversize or overweight limit vehicles.	WC	CEC During monthly reporting period.	Monthly compliance report #17	N/A	5	
TRANS-2	Obtain necessary encroachment permits from City, County and Caltrans.	WC	CEC During monthly reporting period.	Compliance report #12	N/A	5	Received city permit for driveways.
TRANS-3	Conduct monthly surveys, according to protocol: -Two months before peak construction or 100 construction workers. -Peak on-site construction -Two months following peak construction -Provide monthly car pooling results	WC	CEC 30 days after survey.		N/A	5	
TRANS-4	Ensure observation of regulation for transport of hazardous materials. Maintain copies of all shipping manifests related to hazardous material shipments.	SC	N/A		N/A	2	Record keeping in progress.
TRANS-5	Limit construction truck deliveries to 8:00am – 4:30pm on weekdays.	WC	CEC Monthly notice.		N/A	5	
TRANS-6	Schedule construction work so that peak traffic is outside peak periods of 7:15-8:30am and 3:30-5:15pm.	WC	CEC Monthly notice.		N/A	5	
TRANS-7	Provide P&G with schedule of gas line construction along Fruitridge Road east of Power Inn Road.	SC	CEC 60 days before pipeline construction.	7 Jul 95 J/CEC-017	N/A	5	
<b>TRANSMISSION SYSTEM ENGINEERING</b>							
<b>VISUAL RESOURCES</b>							

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<b>PROCTER AND GAMBLE COGENERATION PROJECT</b> <b>CONDITIONS OF CERTIFICATION</b>							
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TSE-1	Ensure that design, construction and operations of proposed transmission facilities will conform to requirements.	SC	CEC 60 days before construction.	31 Jul 95 SCA 95-121 19 Sep 95 SCA 95-174	24 Oct 95	5	
TSE-2	Inform CEC CPM of any impending changes which may not conform to the requirements of TSE-1.	SC	CEC 30 days before construction.			5	No changes made to TSE-1. Work completed.
TSE-3	Prepare as-built drawings of transmission facilities.	SC	CEC 60 days after synchronization.	2 Jan 97 SCA 97-002	N/A	5	
VIS-1	Paint to minimize contrast and harmonize with environment. Submit proposed plan to CEC. Report painting maintenance annually.	WC	CEC 30 days after certification. Annually	13 Jul 95 J/CEC-018	8 Jul 97	5	
VIS-2	Submit to CEC: -Specs for non-reflective fencing.	WC	CEC 14 Jun 95	23 Jan 95 MISC-015 17 Apr 95 CEC-044	18 Apr 95 8 Jul 97	5	
VIS-3	Submit specification for landscape planting to CEC CPM. Notify CEC CPM for inspection with in 7 days after planting.	WC	CEC 120 days before comm. Operation.	9 Apr 96 J/CEC-47 28 Apr 97 SCA 97-038	29 May 96 30 Jul 97	5	
VIS-4	Design and install all lighting so that lights aren't visible from public viewing areas and illumination of vicinity and night sky is minimized. Submit specifications for lighting to CEC CPM. Notify CEC CPM 7 days after installation.	WC	CEC 90 days before buyout.	8 Apr 96 J/CEC-046 24 May 96 J/CEC-051	19 Aug 97	5	
<b>WASTE MANAGEMENT</b>							
WASTE-1	Obtain: -Hazardous waste generator identification number. -Hazardous waste generator license.	SC, WC	Dep. Of Toxic Substances Control and Sacramento Co. Dep. Of Environmental Management		N/A	5	EPA ID #CAL000125795 License not required.

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WASTE-2	Notify CEC CPM of any waste management-related enforcement action taken or proposed.	SC	CEC Within 10 days of becoming aware of impending enforcement action.		N/A	N/A	
WASTE-3	Submit to CEC: -Construction Waste Management Plan -In annual report, document actual waster mgmt. Methods compared to planned methods.	SC, WC	CEC 2 months before construction and 2 months before operation. Annually	24 Feb 95 MISC-022 25 May 95 J/CEC-003 27 Nov 96 SCA 96-285	6 Jan 97	WC-5 SC-5	Operations waste management plan approved.
<b>WATER RESOURCES</b>							
WATER-1	Condition: Procure NPDES permit for discharge of wastewater into Morrison Creek, Sacramento River. Notify CEC of any changes or renewal. Submit NPDES annual monitoring report annually to CEC.	SC	CEC 30 days before commercial operation. Annually	29 Nov 94 SCA 94-243	7 Feb 95	5	All process water discharge sent to sanitary sewer under SRCSD permit 423001
WATER-2	Design dikes for chemical storage tank area per requirements.	WC	Report per Soils-2	10 Nov 95 J/CEC-030	N/A	5	
<b>NEW AUX BOILER</b>							
AQ-SU1	Upon installation of equipment, contact SMAQMD for start up inspection	SC	CEC Completion of construction			1	
AQ-SU2	The ATC shall serve as Temporary PTO	SC				1	
AQ-SU3	ATC has been reviewed thru Enhanced NSR process IAW procedural reqmnts of Section 401-408 of Rule 207 Title V Federal Operating Permit program	SC				5	
AQ-SU4	SCA shall submit to the APCO an application to modify the Title V permit with an Administrative TV permit amendment prior to commencing with modifications authorized by the ATC		CEC Within 15 days of execution of the condition	April 15, 2016		5	
AQ-AB1	The equipment shall be properly maintained and operated	SC	Assert compliance in quarterly emissions reports			5	

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# PROCTER AND GAMBLE COGENERATION PROJECT

## CONDITIONS OF CERTIFICATION

NO.	CONDITION DESCRIPTION AND VERIFICATION	RP	AGENCY/ DUE DATE	SUBMITTAL DATE/NO	APPROVAL DATE	STATUS	COMMENTS
AQ-AB2	The APCO or his representative shall be granted access to enter premises, inspect records and equipment	SC	Owner shall make site available			5	
AQ-AB3	The ATC does not authorize the emissions in excess of those allowed by Ca Health and safety code and SMAQMD rule	SC	CEC /AQMD Notify with 24 hours, report excess emissions to SMAQMD/CPM			2	Ongoing reporting as req'd
AQ-AB4	The equipment shall not discharge nuisance air contaminants	SC	CEC /AQMD Notify with 24 hours, report excess emissions to SMAQMD/CPM			2	Ongoing reporting as req'd
AQ-AB5	Copy of ATC kept onsite with eqpt	SC	SMAQMD/ARB/CPM Make ATC available for inspection			2	Ongoing reporting as req'd
AQ-AB6	Malfunction – Report breakdowns to APCO per rule 602	SC	SMAQMD /CEC Copy CEC on breakdown reports			2	Ongoing reporting as req'd
AQ-AB7	Severability –If any provision judged invalid, remainder of provisions remain valid	SC	None			2	Ongoing reporting as req'd
AQ-AB8	Boiler shall not emit visible air contaminants	SC	CEC/ARB/SMAQMD Owner shall make site available for inspection			2	Ongoing reporting as req'd
AQ-AB9	Emissions from boiler not exceed listed limit for nitrogen oxide, CO	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd
AQ-AB10	Emission for auxiliary boiler shall not exceed listed limits.	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd
AQ-AB11	Emission from all equipment shall not exceed listed limits.	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd
AQ-AB12	Emission for auxiliary boiler shall not exceed listed limits for ammonia	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd
AQ-AB13	The boiler shall only be fired on pipeline natural gas	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd
AQ-AB14	Boiler fuel usage shall not exceed listed limits	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd
AQ-AB15	Boiler is subject to two start up periods	SC	Report compliance in quarterly reports			2	Ongoing reporting as req'd

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**PROCTER AND GAMBLE COGENERATION PROJECT**  
**CONDITIONS OF CERTIFICATION**

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AQ-AB16	Boiler shall have APCO approved CEMS installed	SC	CEC Within 30 days of installation, owner shall submit PE as-built review, submit dates of operation, duration and reason for each run	May 15, 2016		5	
AQ-AB17	Boiler fuel usage shall be recorded	SC	Report compliance in quarterly reports per AQ32			2	Ongoing reporting as req'd
AQ-AB18	Emission Testing shall be performed annually	SC	Copy CEC on Source test plan, copy CEC on test report	2017 test 14Dec17		2	Ongoing reporting as req'd
AQ-AB19	Maintain listed records for most recent five years	SC	Report compliance in quarterly reports per AQ32			2	Ongoing reporting as req'd
AQ-AB20	Submit report to APCO with listed information	SC	Report compliance in quarterly reports per AQ32			2	Ongoing reporting as req'd
AQ-AB21	Permittee shall submit notification to EPA per NSPS 40 CFR 60 Subpart DB Section 60.49b(a)	SC	CEC Submit Compliance statement with quarterly reports			2	Ongoing reporting as req'd
AQ-AB22	Permite shall comply with Toxic Hot spots program	SC	CEC Notify CPM within 15 days of execution of this condition	Aug 2017. Jan 2018		2	Ongoing reporting as req'd
AQ-AB23	Prior to construction, surrender ERC's	SC	CEC 30 days before operation, provide proof of transfer of ERC's	April 15, 2016		5	
AQ-AB24	Owner shall minimize NOX and CO emissions during defined commissioning period	SC	CEC /SMAQMD Submit monthly commissioning status report, Make written notification 60 days prior to initial start up	March 15, 2016		5	

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**CONDITIONS OF CERTIFICATION**

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AQ-AB25	Tune boiler as soon as practical after start up	SC	Report compliance in quarterly reports per AQ32			5	
AQ-AB26	Install, adjust and tune SCR as soon as practical to minimize NOX emissions	SC	Report compliance in quarterly reports per AQ32			5	
AQ-AB27	Submit plan 4 weeks before first fire prior to describing the procedures for commissioning the boiler.	SC	Submit commissioning procedures 4weeks prior to first fire	April 15, 2016		5	
AQ-AB28	During commissioning period record listed data for compliance with AB31-AB32 at least once per 15 min. Maintain records for 5 years		Submit monthly commissioning status report	June 15, 2016		5	
AQ-AB29	CEM shall be installed and operational prior to first fire.		NLT 30 days after installation of CEM, submit PE as-built statement	April 15, 2016		5	
AQ-AB30	Total hours without SCR during commission shall not exceed 84 hours		Upon completion of unabated operation Submit report to CPM with balance of hours			5	
AQ-AB31	Total mass emissions during commissioning shall accrue towards quarterly limits		Report compliance in quarterly reports per AQ32			5	
AQ-AB32	Mass emissions for Nox /CO shall not exceed listed values during commissioning period		Report compliance in quarterly reports per AQ32			2	Ongoing reporting as req'd

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# ***Procter & Gamble Power Plant***

## ***Efficiency Data Report***

***For Operating Year***                      ***2024***

***Report Date***                              ***1/27/2025***

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Power, W                              666,270,000,000  
Steam, lbs                              617,844,132  
Steam Enthalpy                              1205  
Fuel, scf                              5,239,097,143  
Fuel, btu/scf                              1051.7

$\frac{(Power, W * BTU/W) + (1/2 (Steam, lbs * Steam Enthalpy))}{Fuel, scf * BTU/scf}$	=	<i>Efficiency Standard</i>
$\frac{666270000000 * 3.413 + 1/2 * (617844132 * 1205)}{5239097143 * 1051.7}$	=	48.0%

$\frac{(Steam, lbs * Steam Enthalpy)}{(Power, W * BTU/W) + (Steam, lbs * Steam Enthalpy)}$	=	<i>Operating Standard</i>
$\frac{617844132 * 1205}{666270000000 * 3.413 + 617844132 * 1205}$	=	24.7%

*Minimum Efficiency Standard*                      = 42.5%

*Minimum Operating Standard*                      = 5%

# ***Procter & Gamble Power Plant***

## ***Facility Availability and Reliability Data***

### ***For Operating Year            2024***

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<b><i>Unit</i></b>	<b><i>Gas Turbine 1A</i></b>
<b><i>Total Outage</i></b>	<b><i>1269.3</i></b>
<b><i>Forced Outage</i></b>	<b><i>58.8</i></b>
<b><i>PSO Dispatched</i></b>	<b><i>410.8</i></b>
<b><i>Scheduled Outage</i></b>	<b><i>795.7</i></b>

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<b><i>Unit</i></b>	<b><i>Gas Turbine 1B</i></b>
<b><i>Total Outage</i></b>	<b><i>2892.5</i></b>
<b><i>Forced Outage</i></b>	<b><i>106.2</i></b>
<b><i>PSO Dispatched</i></b>	<b><i>1876.0</i></b>
<b><i>Scheduled Outage</i></b>	<b><i>910.3</i></b>

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<b><i>Unit</i></b>	<b><i>Steam Turbine</i></b>
<b><i>Total Outage</i></b>	<b><i>1063.0</i></b>
<b><i>Forced Outage</i></b>	<b><i>38.8</i></b>
<b><i>PSO Dispatched</i></b>	<b><i>0.0</i></b>
<b><i>Scheduled Outage</i></b>	<b><i>1024.2</i></b>

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	<b><i>Gas Turbine 1A</i></b>	<b><i>Gas Turbine 1B</i></b>	<b><i>Steamer</i></b>
<b><i>IEEE Availability</i></b>	<b><i>90.2%</i></b>	<b><i>88.4%</i></b>	<b><i>87.9%</i></b>
<b><i>IEEE Reliability</i></b>	<b><i>99.33%</i></b>	<b><i>98.79%</i></b>	<b><i>99.56%</i></b>
<b><i>IEEE Scheduled Outage Factor</i></b>	<b><i>9.1%</i></b>	<b><i>10.4%</i></b>	<b><i>11.7%</i></b>
<b><i>IEEE Forced Outage Factor</i></b>	<b><i>0.67%</i></b>	<b><i>1.2%</i></b>	<b><i>0.4%</i></b>

***Where:***

***Availability = (Available Hours/Period Hours)\*100***

***Reliability = 1-(Forced Outage/Period Hours)\*100***

***Scheduled Outage Factor = (Scheduled Outage Hours/Period Hours)\*100***

***Forced Outage Factor = (Forced Outage Hours/Period Hours)\*100***

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# Annual Sewer Discharge Report

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Month	Date	Ave Flow	Total Flow
January 2024	1/1/2024	103.00	143264
	1/2/2024	101.00	111604
	1/3/2024	98.00	146019
	1/4/2024	98.00	148775
	1/5/2024	99.00	141829
	1/6/2024	109.00	165324
	1/7/2024	114.00	179249
	1/8/2024	110.00	137192
	1/9/2024	109.00	150068
	1/10/2024	111.00	167566
	1/11/2024	114.00	189860
	1/12/2024	117.00	151812
	1/13/2024	119.00	167096
	1/14/2024	121.00	174718
	1/15/2024	120.00	182153
	1/16/2024	122.00	135343
	1/17/2024	117.00	108436
	1/18/2024	108.00	141624
	1/19/2024	96.00	145293
	1/20/2024	89.00	129941
	1/21/2024	100.00	138298
	1/22/2024	105.00	137224
	1/23/2024	107.00	128845
	1/24/2024	108.00	108590
	1/25/2024	94.00	80905
	1/26/2024	91.00	139996
	1/27/2024	86.00	124560
	1/28/2024	86.00	110817
	1/29/2024	94.00	103422
	1/30/2024	82.00	99196
	1/31/2024	83.00	126338
	<b>Month Total</b>		4315353

Month	Date	Ave Flow	Total Flow
February 2024	2/1/2024	85.00	128475
	2/2/2024	87.00	132377
	2/3/2024	82.00	77950
	2/4/2024	79.00	119290
	2/5/2024	82.00	132589
	2/6/2024	91.00	140402
	2/7/2024	97.00	112872
	2/8/2024	95.00	108021
	2/9/2024	90.00	93719
	2/10/2024	76.00	103252
	2/11/2024	72.00	97596
	2/12/2024	74.00	110940
	2/13/2024	75.00	90536
	2/14/2024	76.00	102394
	2/15/2024	79.00	118037
	2/16/2024	84.00	132766
	2/17/2024	89.00	113042
	2/18/2024	90.00	101962
	2/19/2024	90.00	113807
	2/20/2024	84.00	115375
	2/21/2024	76.00	82939
	2/22/2024	83.00	142374
	2/23/2024	84.00	112181
	2/24/2024	85.00	103571
	2/25/2024	88.00	81557
	2/26/2024	80.00	98464
	2/27/2024	75.00	85100
	2/28/2024	69.00	88781
	2/29/2024	72.00	106288
	<b>Month Total</b>		3146659

Month	Date	Ave Flow	Total Flow
March 2024	3/1/2024	70.00	74602
	3/2/2024	72.00	109019
	3/3/2024	76.00	101165
	3/4/2024	71.00	69313
	3/5/2024	77.00	117369
	3/6/2024	81.00	85089
	3/7/2024	80.00	93353
	3/8/2024	85.00	106460
	3/9/2024	74.00	67877
	3/10/2024	67.00	2903
	3/11/2024	70.00	94347
	3/12/2024	71.00	88198
	3/13/2024	87.00	127996
	3/14/2024	83.00	93340
	3/15/2024	76.00	97010
	3/16/2024	63.00	40946
	3/17/2024	40.00	38048
	3/18/2024	35.00	71103
	3/19/2024	30.00	42796
	3/20/2024	31.00	52268
	3/21/2024	34.00	46831
	3/22/2024	30.00	32447
	3/23/2024	34.00	60958
	3/24/2024	43.00	114659
	3/25/2024	46.00	72728
	3/26/2024	52.00	76080
	3/27/2024	54.00	70066
	3/28/2024	53.00	101561
	3/29/2024	53.00	70715
	3/30/2024	50.00	64384
	3/31/2024	55.00	110758
	<b>Month Total</b>		2394390

Month	Date	Ave Flow	Total Flow
April 2024	4/1/2024	52.00	79176
	4/2/2024	50.00	66229
	4/3/2024	55.00	117104
	4/4/2024	51.00	76924
	4/5/2024	50.00	82576
	4/6/2024	53.00	100131
	4/7/2024	44.00	48114
	4/8/2024	43.00	72708
	4/9/2024	47.00	92455
	4/10/2024	47.00	89164
	4/11/2024	52.00	58910
	4/12/2024	56.00	93412
	4/13/2024	44.00	29379
	4/14/2024	36.00	33254
	4/15/2024	23.00	25262
	4/16/2024	33.00	67002
	4/17/2024	36.00	49020
	4/18/2024	43.00	74501
	4/19/2024	51.00	95217
	4/20/2024	48.00	69608
	4/21/2024	60.00	91585
	4/22/2024	68.00	104140
	4/23/2024	68.00	82973
	4/24/2024	69.00	51032
	4/25/2024	65.00	93980
	4/26/2024	54.00	60671
	4/27/2024	50.00	64233
	4/28/2024	53.00	74203
	4/29/2024	54.00	87663
	4/30/2024	52.00	57778
	<b>Month Total</b>		2188405



Month	Date	Ave Flow	Total Flow
May 2024	5/1/2024	54.00	70928
	5/2/2024	58.00	103251
	5/3/2024	52.00	54614
	5/4/2024	52.00	62173
	5/5/2024	59.00	103110
	5/6/2024	50.00	56448
	5/7/2024	53.00	69063
	5/8/2024	55.00	82344
	5/9/2024	52.00	81822
	5/10/2024	54.00	66394
	5/11/2024	55.00	78235
	5/12/2024	67.00	141804
	5/13/2024	79.00	144280
	5/14/2024	98.00	141123
	5/15/2024	129.00	174117
	5/16/2024	92.00	134825
	5/17/2024	102.00	144142
	5/18/2024	126.00	167702
	5/19/2024	97.00	136078
	5/20/2024	80.00	116095
	5/21/2024	70.00	93386
	5/22/2024	64.00	91836
	5/23/2024	50.00	69502
	5/24/2024	47.00	66766
	5/25/2024	77.00	109660
	5/26/2024	39.00	54904
	5/27/2024	60.00	81334
	5/28/2024	66.00	88059
	5/29/2024	47.00	68783
	5/30/2024	52.00	71846
	5/31/2024	81,865.00	81865
	<b>Month Total</b>		3006491

Month	Date	Ave Flow	Total Flow
June 2024	6/1/2024	83.00	121864
	6/2/2024	54.00	73750
	6/3/2024	71.00	100618
	6/4/2024	88.00	122748
	6/5/2024	71.00	95776
	6/6/2024	83.00	117104
	6/7/2024	103.00	140520
	6/8/2024	63.00	84864
	6/9/2024	55.00	77986
	6/10/2024	67.00	99478
	6/11/2024	80.00	116988
	6/12/2024	69.00	102113
	6/13/2024	82.00	121930
	6/14/2024	83.00	118772
	6/15/2024	54.00	73547
	6/16/2024	76.00	103950
	6/17/2024	94.00	135551
	6/18/2024	67.00	95120
	6/19/2024	54.00	78643
	6/20/2024	83.00	107485
	6/21/2024	90.00	126530
	6/22/2024	72.00	101927
	6/23/2024	73.00	101943
	6/24/2024	97.00	139618
	6/25/2024	61.00	84874
	6/26/2024	74.00	103890
	6/27/2024	89.00	101519
	6/28/2024	51.00	62601
	6/29/2024	82.00	97177
	6/30/2024	92.00	123652
	<b>Month Total</b>		3132538

Month	Date	Ave Flow	Total Flow
July 2024	7/1/2024	63.00	88805
	7/2/2024	102.00	142175
	7/3/2024	106.00	154740
	7/4/2024	98.00	146199
	7/5/2024	102.00	149257
	7/6/2024	122.00	173631
	7/7/2024	105.00	147739
	7/8/2024	107.00	153877
	7/9/2024	124.00	177610
	7/10/2024	90.00	134407
	7/11/2024	101.00	115068
	7/12/2024	124.00	153154
	7/13/2024	125.00	164110
	7/14/2024	123.00	159833
	7/15/2024	98.00	122766
	7/16/2024	71.00	104023
	7/17/2024	80.00	127375
	7/18/2024	92.00	140219
	7/19/2024	84.00	120690
	7/20/2024	103.00	153205
	7/21/2024	78.00	116733
	7/22/2024	89.00	129089
	7/23/2024	106.00	150680
	7/24/2024	73.00	107830
	7/25/2024	73.00	102560
	7/26/2024	98.00	136715
	7/27/2024	56.00	81918
	7/28/2024	58.00	75259
	7/29/2024	86.00	126547
	7/30/2024	51.00	72362
	7/31/2024	74.00	113420
	<b>Month Total</b>		4041995

Month	Date	Ave Flow	Total Flow
August 2024	8/1/2024	78.00	127190
	8/2/2024	72.00	109223
	8/3/2024	73.00	108868
	8/4/2024	88.00	134943
	8/5/2024	83.00	100242
	8/6/2024	88.00	104990
	8/7/2024	74.00	123506
	8/8/2024	65.00	106285
	8/9/2024	83.00	92642
	8/10/2024	83.00	116169
	8/11/2024	79.00	112636
	8/12/2024	82.00	124404
	8/13/2024	100.00	151046
	8/14/2024	93.00	122511
	8/15/2024	131.00	181569
	8/16/2024	98.00	130100
	8/17/2024	72.00	114669
	8/18/2024	72.00	95038
	8/19/2024	91.00	129518
	8/20/2024	70.00	97635
	8/21/2024	92.00	120504
	8/22/2024	114.00	148719
	8/23/2024	82.00	105876
	8/24/2024	75.00	91542
	8/25/2024	88.00	118753
	8/26/2024	96.00	133717
	8/27/2024	84.00	125240
	8/28/2024	105.00	149218
	8/29/2024	101.00	129883
	8/30/2024	148.00	159768
	8/31/2024	78.00	105450
	<b>Month Total</b>		3771855

Month	Date	Ave Flow	Total Flow
September 2024	9/1/2024	87.00	111028
	9/2/2024	119.00	176897
	9/3/2024	65.00	137076
	9/4/2024	67.00	105791
	9/5/2024	154.00	190652
	9/6/2024	85.00	126855
	9/7/2024	73.00	98377
	9/8/2024	66.00	91061
	9/9/2024	96.00	141350
	9/10/2024	78.00	111001
	9/11/2024	69.00	102313
	9/12/2024	85.00	117961
	9/13/2024	86.00	115757
	9/14/2024	64.00	91127
	9/15/2024	66.00	96417
	9/16/2024	92.00	134633
	9/17/2024	63.00	89875
	9/18/2024	61.00	89904
	9/19/2024	63.00	89590
	9/20/2024	0.00	129182
	9/21/2024	66.00	95944
	9/22/2024	58.00	85407
	9/23/2024	96.00	122280
	9/24/2024	77.00	106712
	9/25/2024	78.00	101915
	9/26/2024	98.00	130351
	9/27/2024	52.00	69328
	9/28/2024	57.00	80724
	9/29/2024	98.00	129850
	9/30/2024	59.00	77165
	<b>Month Total</b>		3346522

Month	Date	Ave Flow	Total Flow
October 2024	10/1/2024	44.00	60397
	10/2/2024	120.00	136711
	10/3/2024	78.00	91505
	10/4/2024	94.00	112710
	10/5/2024	82.00	106174
	10/6/2024	82.00	78812
	10/7/2024	85.00	117456
	10/8/2024	158.00	144823
	10/9/2024	51.00	74060
	10/10/2024	75.00	96107
	10/11/2024	116.00	146390
	10/12/2024	50.00	67154
	10/13/2024	88.00	114212
	10/14/2024	88.00	122545
	10/15/2024	79.00	108462
	10/16/2024	85.00	116170
	10/17/2024	85.00	128470
	10/18/2024	50.00	71663
	10/19/2024	36.00	47945
	10/20/2024	72.00	56959
	10/21/2024	67.00	58817
	10/22/2024	15.00	21201
	10/23/2024	19.00	23086
	10/24/2024	22.00	27203
	10/25/2024	34.00	45222
	10/26/2024	81.00	100503
	10/27/2024	42.00	52234
	10/28/2024	72.00	88939
	10/29/2024	80.00	90006
	10/30/2024	37.00	49424
	10/31/2024	49.00	60939
	<b>Month Total</b>		2616297

Month	Date	Ave Flow	Total Flow
November 2024	11/1/2024	67.00	91306
	11/2/2024	43.00	52808
	11/3/2024	56.00	69966
	11/4/2024	71.00	93161
	11/5/2024	43.00	48310
	11/6/2024	62.00	49991
	11/7/2024	60.00	57983
	11/8/2024	63.00	61863
	11/9/2024	53.00	50771
	11/10/2024	62.00	74760
	11/11/2024	71.00	89855
	11/12/2024	35.00	43683
	11/13/2024	49.00	63857
	11/14/2024	55.00	74882
	11/15/2024	24.00	33755
	11/16/2024	25.00	33859
	11/17/2024	51.00	57754
	11/18/2024	72.00	90802
	11/19/2024	42.00	48333
	11/20/2024	74.00	86547
	11/21/2024	53.00	59254
	11/22/2024	38.00	53138
	11/23/2024	100.00	141011
	11/24/2024	52.00	41776
	11/25/2024	51.00	57852
	11/26/2024	63.00	91526
	11/27/2024	78.00	95641
	11/28/2024	39.00	51040
	11/29/2024	91.00	104813
	11/30/2024	34.00	44579
	<b>Month Total</b>		2014875

Month	Date	Ave Flow	Total Flow
December 2024			
	12/1/2024	66.00	67218
	12/2/2024	67.00	79483
	12/3/2024	43.00	55401
	12/4/2024	65.00	75770
	12/5/2024	91.00	115518
	12/6/2024	51.00	64623
	12/7/2024	63.00	72883
	12/8/2024	72.00	101972
	12/9/2024	46.00	61355
	12/10/2024	52.00	73395
	12/11/2024	67.00	96124
	12/12/2024	47.00	56356
	12/13/2024	72.00	106161
	12/14/2024	57.00	76216
	12/15/2024	89.00	102733
	12/16/2024	77.00	117092
	12/17/2024	43.00	60661
	12/18/2024	47.00	63086
	12/19/2024	76.00	96640
	12/20/2024	43.00	57944
	12/21/2024	58.00	70955
	12/22/2024	74.00	93445
	12/23/2024	49.00	56958
	12/24/2024	100.00	107011
	12/25/2024	53.00	66469
	12/26/2024	48.00	65733
	12/27/2024	56.00	70006
	12/28/2024	95.00	122931
	12/29/2024	68.00	82818
	12/30/2024	85.00	107958
	12/31/2024	43.00	56880
	<b>Month Total</b>		2501797
	<b>Annual Total</b>		36477179





## Procter & Gamble Power Plant Annual Sewer Monitoring Summary Report

Discharge Permit 423001 was renewed on January 1, 2023, with an expiration date of December 31, 2025. The renewed permit no longer requires periodic monitoring samples to be taken.

January 31, 2025

Ms. Ashley Gutierrez  
CEC  
1516 9th St. MS 2000  
Sacramento, CA 95814

RE: Procter & Gamble Power Plant 2024 Transmission Line and Nuisance Report

The Procter & Gamble Power Plant Conditions of Certification require annual reporting for the following conditions

**TLSN 2:**

All radio and television interference records shall be maintained by the project owner, available for CEC CPM inspection, and summarized in the Annual Compliance Report.

**TLSN 3:**

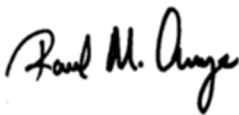
The project owner shall provide a summary of the inspection results and any clean-up and fire prevention activities along the right of way in the Annual Compliance Report.

**TLSN 6:**

The project owner shall maintain a record of activities (grounding, notification and correspondence) related to this condition. A summary of these records shall be included in the Annual Compliance Report.

After conferring with the appropriate SMUD service departments, I have confirmed that the following statements are correct for calendar year 2024:

- There were no reports of radio or television interference associated with the Sacramento Cogeneration Authority Project transmission lines during 2024.
- In the year 2024, there were no trees in the right of way of the Sacramento Cogeneration Authority Project that required trimming or removal.
- There were no complaints associated with induced voltages on vehicles, fences, or other metallic objects during 2024.



Raul Anaya  
O&M Manager  
Procter & Gamble Power Plant