

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512

December 8, 2008

Kevin Hudson, P.E.
Senior Project Manager
SMUD
6201 S. Street
P.O. Box 15830
Sacramento, CA 95852-1830

DOCKET	
01-AFC-19C	
DATE	DEC 08 2008
RECD.	DEC 09 2008

**SUBJECT: COSUMNES POWER PLANT (01-AFC-19C)
RESPONSE TO THE CONDITION OF CERTIFICATION HAZ-1
REQUESTED ADDITONS LETTER**

Dear Mr. Hudson:

Thank you for your Condition of Certification HAZ-1 Request for Additions Letter dated November 25, 2008 with enclosed attachments. Per your request, the California Energy Commission staff has reviewed and approved the chemicals presented in the enclosed tables.

If you have any questions regarding this letter, I can be contacted by phone at (916) 654-4048 or e-mail at AJgarcia@energy.state.ca.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Angelique Juarez-Garcia".

Angelique Juarez-Garcia
Compliance Project Manager
Siting, Transmission & Environmental
Protection Division

Attachments

Cc: Dockets

**COSUMNES POWER PLANT, SACRAMENTO COUNTY
PROPOSED REPLACEMENT WATER TREATMENT PRODUCTS**

Function	Current	Naico Replacement	HAZARDOUS INGREDIENTS:	Quantity on site	Location
Corrosion Inhibitor	FioGard MS6222		PHOSPHORIC ACID CAS# 7664-38-2	1000 gallons	Cooling Tower
	Spectrus NX 1100	Naico 3DT165	PHOSPHORIC ACID CAS# 7664-38-2 2-BROMO-2-NITROPROPANE-1,3-DIOL CAS# 52-51-7 MAGNESIUM NITRATE CAS# 10377-60-3 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE CAS# 26172-55-4 MAGNESIUM CHLORIDE CAS# 7786-30-3	1000 gallons 800 gallons	Cooling Tower Cooling Tower
Biocide		Naico 7330 Biocide	5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE CAS# 26172-55-4 2-METHYL-4-ISOTHIAZOLIN-3-ONE CAS# 2682-20-4 MAGNESIUM NITRATE CAS# 10377-60-3	1000 gallons	Cooling Tower
Dispersant	DeposiTrol BL5300 BL5303	Naico ControlBrom CB70	SODIUM BROMIDE CAS# 7647-15-6	540 gallons	Cooling Tower
		Naico 3DT195	PHOSPHONIC ACID CAS# 2809-21-4 NONE	1000 gallons 1000 gallons	Cooling Tower Cooling Tower
Anti Foam	Foamtrol AF2050	Naico 7469	OXIRANE/METHOXIRANE POLYMER WITH BUTYL ETHER CAS# 9038-95-3 POLYPROPYLENE GLYCOL CAS# 25322-69-4 SODIUM HYDROXIDE CAS# 1310-73-2	800 gallons 800 gallons 550 gallons	Water Treatment Building ZLD Water Treatment Building
Phosphate	Optisperse HP 3100	Naico BT-3000	SODIUM HYDROXIDE CAS# 1310-73-2 SODIUM TRIPHOSPHATE CAS# 7758-29-4 CARBONIC DIHYDRAZIDE CAS# 497-18-7	800 gallons 800 gallons 800 gallons	Water Treatment Building Water Treatment Building Water Treatment Building
Oxygen Scavenger	Control OS 5607	Naico CNQR3475	DIETHYL-HYDROXYL-AMINE CAS# 3710-84-7 HYDROQUINONE CAS# 123-31-9 NONE	550 gallons	Water Treatment Building
RO Antiscalant		Naico Perma Treat PC 191		110 gallons	Water Treatment Building

Table 8.12-2R

Location of Hazardous Materials (Proposed Additions)

Trade Name	Use	Storage Location
Nalco 3DT185	Corrosion Inhibitor for cooling water system	Cooling Tower Chemical Feed System
Nalco 7330 Biocide	Biocide control for cooling tower	Cooling Tower Chemical Feed System
Nalco ControlBrom CB70	Biocide control for cooling tower	Cooling Tower Chemical Feed System
Nalco 3DT195	Dispersant	Cooling Tower Chemical Feed System
Nalco 7469	Anti Foam	ZLD
Nalco BT-3000	Phosphate (passivator)	Water Treatment Building
Nalco CNQR3475	Oxygen Scavenger for boiler water	Water Treatment Building
Nalco PermaTreat PC 191	RO Antiscalant	Water Treatment Building

Table 8.12-5R

Toxicity of Hazardous and Accutely Hazardous Materials (Proposed Additions)

Trade Name	Physical Description	Health Hazard	Reactive & Incompatibles	Flammability
Nalco 3DT185	Light yellow liquid, acidic odor	Corrosive, severe skin/tissue irritation or damage	Strong alkalis, reactive metals	Non-Flammable
Nalco 7330 Biocide	Light green to yellow liquid with mild odor	Corrosive, severe skin irritation or damage	Strong oxidizers	Non-Flammable
Nalco ControlBrom CB70	Colorless/odorless liquid	Eye and skin irritation	Reducing agents, acid	Non-Flammable
Nalco 3DT195	Clear orange liquid	None	Strong oxidizers	Non-Flammable
Nalco 7469	Light yellow liquid	Skin and eye irritation	Strong oxidizers	Non-Flammable
Nalco BT-3000	Light yellow liquid	Corrosive, severe skin/tissue irritation or damage	Strong acids	Non-Flammable
Nalco CNQR3475	Tan brown liquid, amine odor	Irritant to skin and respiratory tract	Strong oxidizers and acids	Combustible
Nalco PermaTreat PC 191	Yellow liquid, ammoniacal odor	Irritant	Strong oxidizers and acids	Non-Flammable

