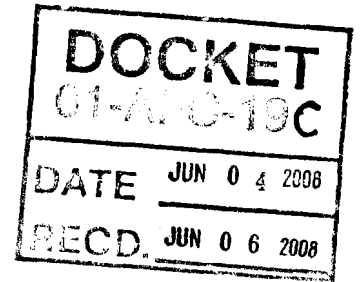


**STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**



In the Matter of:)	Docket No. 01-AFC-19C
)	Order No. 08-0604- 01
)	
COSUMNES POWER PLANT)	ORDER TO AMEND THE ENERGY
)	COMMISSION DECISION TO CHANGE
SACRAMENTO MUNICIPAL)	THREE AIR QUALITY CONDITIONS OF
UTILITY DISTRICT FINANCING)	CERTIFICATION AND PROJECT
AUTHORITY)	DESCRIPTION

On November 7, 2007, Sacramento Municipal Utility District (SMUD) Financing Authority (SFA) filed a petition to amend the Energy Commission requesting Energy Commission approval of an amendment to the Commission Decision for the Cosumnes Power Plant (CPP). The 500-megawatt project was certified by the Energy Commission on September 9, 2003, and Phase 1 began commercial operation on February 24, 2006. The CPP is located 25 miles southeast of the City of Sacramento, in Sacramento County.

STAFF RECOMMENDATION

Energy Commission staff reviewed the petition and has determined that it complies with the requirements of Title 20, Section 1769(a) of the California Code of Regulations. Staff recommends approval of SFA's petition to modify the CPP project and amend three Air Quality conditions of certification and the project description.

COMMISSION FINDINGS

Based on staff's analysis, the Energy Commission concludes that the proposed changes will not result in any significant impact to public health and safety, or the environment. The Energy Commission finds that:

- The petition meets all the filing criteria of Title 20, section 1769(a) of the California Code of Regulations concerning post-certification project modifications;
- A. The modification will not change the findings in the Energy Commission's Final Decision pursuant to Title 20, section 1755;
- B. Adherence to the proposed revisions to Conditions of Certification AQ-18, AQ-19 and AQ-24, will ensure the facility will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code section 25525;
- C. The facility design changes will be beneficial to the public and project owner by allowing full operation during hot weather.

D. The change is based on information that was not available to both parties prior to Commission certification. The original design was found to be insufficient by the project owner during the licensing proceedings, but the resulting design change was not adequately documented during certification. The Commission certification should therefore be amended to reflect the overall dimensions, water flow rates and air flow rates of the cooling tower as built.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts staff's recommendations and approves the following changes to the CPP project's Decision. New language is shown in **bold underline** and deleted text ~~strikethrough~~.

AQ-18. Emissions of NO_x, CO, ROC, SO_x, and PM₁₀ from Phase 1 of the CPP facility including start-ups and shut-downs shall not exceed the following limits.

Pollutant	Maximum Allowable Emissions (lbs./day)			
	CTG #1	CTG #2	Cooling Tower	Total
NO _x	523.7	523.7	NA	1,047.4
CO	3,051.7	3,051.7	NA	6,103.3
ROC	117.3	117.3	NA	234.6
SO _x	31.4	31.4	NA	62.9
PM ₁₀	216.0	216.0	3.6 <u>7.4</u>	435.6 <u>439.4</u>

Verification: As part of the quarterly and annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.

AQ-19. Emissions of NO_x, CO, ROC, SO_x, and PM₁₀ from Phase 1 of the CPP facility including start-ups and shut-downs shall not exceed the following limits.

Pollutant	Maximum Allowable Emissions				
	Qtr 1 (lbs./quarter)	Qtr 2 (lbs./quarter)	Qtr 3 (lbs./quarter)	Qtr 4 (lbs./quarter)	Total (lbs./year)
NO _x	62,021	62,643	63,265	63,265	251,194
CO	147,929	148,687	149,444	149,444	595,505
ROC	14,807	14,958	15,110	15,110	59,986
SO _x	5,405	5,465	5,525	5,525	21,922
PM ₁₀	39,204 <u>39,550</u>	39,640 <u>39,989</u>	40,075 <u>40,428</u>	40,075 <u>40,428</u>	158,994 <u>160,395</u>

Verification: As part of the quarterly and annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.

AQ-24. The total dissolved solids content of the circulating cooling water shall not exceed 470 **800** ppmw, averaged over any consecutive three-hour period.

Verification: The project owner shall sample and test the cooling tower water at least once per day to verify compliance with this TDS limit. In addition, the project owner shall include information on the date, time, and duration of any violation of this permit condition in the quarterly and annual reports.

In addition, the project description shall be modified as follows:

Table 1 Cooling Tower Specifications			
Parameter	2001 AFC	Existing COCs	Proposed Revised Specifications
Number of cells	9 (8 operating)	N/A*	8 (8 operating)
Maximum water circulation rate (gpm)	125,867 (tower total)	N/A*	155,000 (tower total)
Maximum water TDS level (ppmw)	470	470	800
Drift rate (%)	0.0005	0.0005	0.0005
Diameter of each cell vent (ft)	36	N/A*	30
Height of each cell vent (ft)	6	N/A*	14
Exhaust flow rate per cell (acfm)	1,436,258	N/A*	1,613,000
Average exhaust temperature (deg. F)	68	N/A*	68
Length of cooling tower (ft)	431	N/A*	440
Width of cooling tower (ft)	53	N/A*	74
Height of cooling tower from ground level to top deck (ft)	34	N/A*	39

* These parameters are not included in the existing COCs for the cooling tower.

IT IS SO ORDERED.

Date: June 4, 2008

STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION



JACKALYNE PFANNENSTIEL, Chairman