California Energy Commission
Energy Facility Siting &
Environmental Protection Division
REPORT OF CONVERSATION

File:

Project Title: Procter & Gam

DOCKET
93-AFC-2
DATE: MAY 4 1994
RECD: MAY 6 1994

(x) TELEPHONE **() MEETING LOCATION:**

NAME: Dianne Parker and SMUD's consultants	**TIME:** 9:25	**DATE:** 5/4/94
WITH: SMUD	**PHONE** (916) 732-6540	
ADDRESS:		

SUBJECT: Plume visibility

COMMENTS:

I talked to Dianne Parker and some of SMUD's consultants regarding their proposal of changing one of the assumptions for the modeling of the cooling towers. They said that the cooling tower's heat load is an input to for the EPRI model that is being used to estimate visual impacts. The heat load is calculated outside the EPRI model and used by the model as constant parameter. To be conservative, according to SMUD's consultants, they estimated the heat load assuming a 105 F. Since Gary Walker has some concerns with the estimated impacts, SMUD's consultants are proposing to estimate the heat load with a less conservative ambient temperature. This temperature can be 32 F or the annual average temperature, whichever gives the greater heat load. The basic assumption is that days conducive to formation of a visible plume are also days with low ambient temperature and that a more realistic approach would be to calculate the heat load at lower ambient temperatures. Again, the EPRI model does not calculate internally the heat load as function of ambient air temperature and therefore this parameter is provided externally to the EPRI model.

I talked again to David Lefeberve (one of the SMUD's consultants) around 1:30 pm to ask for additional clarification. According to David, the annual average temperature is around 70 F. The 32 to 70 F range more than covers the temperature range where they believe that some of the visual impacts from the cooling tower may occur. In theory, the visual impacts should be proportional to the heat load and therefore the results using the maximum heat load for the 32 to 70 range should be conservative.

David will prepare a short description of the methodology for CEC approval.

COPIES TO: Chris Tooker Gary Walker Darrel Woo	**NAME:** Guido Franco **SIGNATURE**