APPENDIX D

EXAMPLES OF CEQA MITIGATION
FOR CARFG2 REFINERY MODIFICATIONS

Appendix D:

Examples of CEQA Mitigation For CaRFG2 Refinery Modifications

Chevron (Richmond):

Air Quality Related Mitigation Measures - Not required by the BAAQMD

- Proposed spheres shall be designed to include process valves that meet 100 ppm standard (i.e., the 1997 standard which other project valves would meet) and pressure relief valves in gas service that vent to the Refinery gas recovery system. This would reduce HC emissions from the Project by approximately 60 lbs/day.
- Bellows valves (rather than graphite-packed valves) on all gas and light liquid hydrocarbon streams for lines two inches or less... This measure would reduce HC emissions from the Project by 100 to 200 lbs/day.

Additional Conditions:

- Applicant shall attempt to obtain the cooperation of Shell and/or CBE in tracking Shell's remote sensor fenceline monitor pilot project. If after six months of success... Chevron shall install a similar remote sensor fenceline monitoring pilot system.
- Applicant shall inform the Community Advisory Panel on quarterly basis of progress with implementation.
- Applicant shall contribute $50,000 annually for six years (till future legislative improvements for the reduction of NO_x are in place) to the City's Urban Forest Program to compensate the community for project emissions.
- Applicant shall permanently shut down and surrender operating permits for any refinery facilities which were included in the EIR 1992 Inventory... (e.g., shut down of the No. 2 Dewax and asphalt manufacturing, loading operations would reduce HC emissions by approximately 550 lbs/day).
- Applicant shall retrofit tanks built prior to 1979 with low emission fittings. This measure would reduce HC emissions by approximately 25 lbs/day for each tank retrofit.
- Applicant shall reduce fugitive HC emissions from certain tanks, valves, pumps, and/or compressors to a level below that required by current regulations.
- Applicant shall limit FCC Unit Combustion HC emissions to their current level... This measure would reduce HC emissions from the Project by 250 lbs/day.

Unocal (currently Phillips-Rodeo):

Emission Related Mitigation Measures - Not required by the BAAQMD:

- Applicant shall implement the duct burner option for increased steam production to reduce project emissions of nitrogen oxides.

- If hydrogen plant heater and each of the steam turbines (after source tests) exceeds 27 tons per year then the applicant shall provide contemporaneous offsets, either on-site or off-site or accept a valve leak definition to 100 ppm for all valves at the Unocal Rodeo refinery subject to BAAQMD Regulation 8-18, effective March 1, 1996.

Other Conditions:

- Applicant shall provide the Rodeo community with quarterly newsletters informing them of project status...

- Applicant shall appear before the Rodeo MAC on a quarterly basis during the project construction period to provide information...
- Unocal shall deposit with the County Community Development Department $50,000 in January 1995 and $50,000 in January 1996 for community improvement projects in Rodeo.
- Unocal shall cooperate with Contra Costa County Health Services Department to develop a community advisory program.
- The applicant shall construct a bike trail and walking path along the Unocal property...
- Unocal shall contribute $25,000 per year for the next three years to the John Swett Unified School District for specific student programs.
- Unocal shall contribute $378,000 for a facilities improvement project at Hillcrest School. The project will replace windows, weather stripping and doors and will be administered by the school district.