RCBA 2.F(2) Environmental Benefits – GLM Monitoring

(2) By October 1, 2008, initiate discussions with City to implement ground level air quality monitoring and collection.

Chevron's total contribution shall not exceed $1,000,000.

The purpose of such monitoring shall be to assess the impact of Refinery emissions on surrounding neighborhoods.

Within 90 days after effective date [CUP Approval on 7/17/08, so by 10/15/09], Chevron shall submit to Planning & Building Services Dept a work plan for monitoring that includes:

(a) Identification of all potential downwind neighborhoods, considering meteorological data as well as land use, where potential residential exposures to refinery emissions can occur.

(b) Identification of the compounds or families of compounds that will be monitored. This shall include VOCs, metals, H2S, PAHs, and PM2.5.

(c) Identification of the monitoring methodology. At a minimum, this should include installation and data gathering for VOCs and speciated VOCs using long-path Differential Absorption LIDAR (DIAL) or similar methodology. DIAL measurements can be limited to the Refinery perimeter. Monitoring for VOCs and other contaminants shall also include traditional single-point monitors located within the neighborhoods to obtain data representative of neighborhood exposures. At a minimum, the locations selected shall include the following three areas: North Richmond, Point Richmond, and Atchison Village.

(d) The means of gathering, maintaining, and disseminating quality-assured data to the City, the BAAQMD, and the public for a minimum of two (2) years. The monitoring requirements pursuant to this condition will be reassessed after two (2) years of valid data have been collected based on discussions between Chevron and the City.

(e) The means of quality assurance and quality control that will be used. The City and the BAAQMD can audit the data at all times.

(f) Chevron shall initial this monitoring no later than ninety (90) days after approval of the workplan by the City.