



T.A. Lizarraga  
Manager

Health, Environment &  
Safety  
Chevron Products Company  
P. O. Box 1272  
Richmond, CA 94802-0272  
Tel 510 242 1400  
Fax 510 242 5353  
hink@chevron.com

June 20, 2007

Mr. B. B. Blevins  
Executive Director  
California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814

<b>DOCKET</b> <b>07-SPPE-1</b>	
DATE	JUN 20 2007
RECD.	JUN 22 2007

**Application for Small Power Plant Exemption  
Chevron Richmond Power Plant Replacement Project**

Dear Mr. Blevins:

Chevron USA, Inc. (Chevron) hereby submits this Application for Small Power Plant Exemption (SPPE) for the Chevron Richmond Power Plant Replacement Project (PPRP), a nominal 60-megawatt (MW) net addition to electric generating capacity at the Chevron Richmond refinery located at 841 Chevron Way in the City of Richmond, California. The Application is being submitted in conformance with the siting regulations at California Code of Regulations (CCR), Section 1704 et seq and Appendix F.

In accordance with California Code of Regulations, Section 2308, also submitted herewith is a check in the amount of \$ 200,000 payable to the California Energy Commission as a deposit for the actual cost of processing the application. We understand that a cost reconciliation will occur following a decision on the SPPE and that Chevron will be billed for the costs that exceeded the deposit, or a refund will be provided if the costs are less than the deposit.

I hereby attest, under penalty of perjury, that the contents of this Application are true and accurate to the best of my knowledge.

Please contact Mr. Gary Carr, Chevron SPPE Permitting Manager at (510) 242-9052 or our consultant, David Stein of CH2M HILL at (510) 587-7787 if you have any questions regarding the Application.

Sincerely,

  
Tery Lizarraga

Chevron SPPE Modeling File Structures and Descriptions - Operational ISC Dispersion Modeling

Table 8.1D-1 File Structure and Naming Convention

Folder/ZIP File Name	File Name Start with	Modeling Scenarios Description
Turbine_Screen	Turbine_Screen_##_UNIT	Modeling files of turbine emissions to determine maximum NOx, CO, and SO2 concentrations for the 100 meter grid receptors (## designates which year of meteorological data was used, 99, 00, 01, 02, or 03).
	Turbine_Screen	BPIP files for ISC modeling
Turbine_Refined	Turbine_Refined_##_UNIT	Modeling files of turbine emissions to determine maximum NOx, CO, and SO2 concentrations for the 30 meter grid receptors based on maximum concentration from "Screen" modeling (## designates which year of meteorological data was used, 99, 00, 01, 02, or 03).
	Turbine_Refined	BPIP files for ISC modeling
PM_Screen	PM_SCREEN_##_PM_10	Modeling files of turbine and cooling tower emissions to determine maximum PM10 and PM2.5 concentrations for the 100 meter grid receptors (## designates which year of meteorological data was used, 99, 00, 01, 02, or 03).
	PM_SCREEN	BPIP files for ISC modeling
PM_Refined	PM_refined_##_PM_10	Modeling files of turbine and cooling tower emissions to determine maximum PM10 and PM2.5 concentrations for the 30 meter grid receptors based on maximum concentration from "Screen" modeling (## designates which year of meteorological data was used, 99, 00, 01, 02, or 03).
	PM_refined	BPIP files for ISC modeling

Table 8.1D-2 BPIP/ISCST3 Modeling File Extensions and Descriptions

File Extension	File Descriptions	Note
.PIP	Input file for BPIP (BpipWin.exe) in the standard EPA format.*	BPIP File
.SO	Output file from BPIP; contains EPA-format source cards of building heights and widths for each source. Integrated with rest of input data when model input .DTA file is built.	BPIP File
.SUM	BPIP output file, summary form (standard EPA format).	BPIP File
.BND	File contains the boundary information (e.g. fencelines, building and stack names)	ISCST3 File
.DTA	ISCST3 Model input data file (standard EPA format).	ISCST3 File
.GRF	ISCST3 "Master graphics file" - Contains the maximum modeled concentration at each receptor	ISCST3 File
.LST	Model output list file; contains model tabular output (standard EPA format*).	ISCST3 File
.USF	ISCST3 file containing a summary of the input parameters and model output.	ISCST3 File
.ASC	"ASCII" hourly meteorological data file for ISCST3	MET Data
.DEM	USGS Digital Elevation Model (DEM) data	Terrain Data