

## DOCKETED

<b>Docket Number:</b>	00-AFC-14C
<b>Project Title:</b>	El Segundo Power Redevelopment Project Compliance
<b>TN #:</b>	200117
<b>Document Title:</b>	Cover letter enclosing five CDs containing supplemental air quality impact analysis modeling files dated July 25, 2013
<b>Description:</b>	Modeling data needs special software to be viewed. If you want to view the data please contact the Dockets Unit.
<b>Filer:</b>	Tiffani Winter
<b>Organization:</b>	Locke Lord, LLP
<b>Submitter Role:</b>	Applicant's Representative
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August 5, 2013

Via Hand Delivery

California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814

Re: El Segundo Power Plant Project (00-AFC-14C)  
Applicant's Letter dated July 31, 2013  
to South Coast Air Quality Management District

Dear Sir/Madam:

In connection with Applicant's July 31, 2013 letter to South Coast Air Quality Management District, which was filed on July 31, 2013, enclosed please find five (5) CDs containing "El Segundo Power Facility Modification Project Supplemental Air Quality Impact Analysis Modeling Files dated July 25, 2013."

Please don't hesitate to contact me if you have any questions regarding this filing.

Very truly yours,

A handwritten signature in black ink that reads "John A. McKinsey".

John A. McKinsey

JAM:dh  
Enclosure

El Segundo Power Facility Modification Project  
Supplemental Air Quality Impact Analysis  
Modeling Files  
July 25, 2013

Sierra Research – Wei Liu – July 25, 2013.

One zipped files (CumulativeNOCD.zip) is included in this CD, enclosing modeling files for ELSPFMP cumulative 1 Hour NO2 impacts using five years of LAX, CA meteorological data (2005 - 2009), provided by SCAQMD, together with corresponding hourly ozone concentration data for LAX, also provided by SCAQMD. For the 1 Hour NO2 modeling, the 2009~2011 seasonal hour-of-day No2 background from LAX provided by SCAQMD and was used in the modeling. One readme file was also included to describe the details of this CD.

Template files originally developed within Lakes Environmental software, using standard Lakes naming conventions. Changes were subsequently made to these files in standard text editors. For example, for multiple pollutants, the input information for the first pollutant would be copied in a text editor to facilitate inputting the information needed for the other pollutants.

There are a number of identical AERMOD modeling files distributing across the zip files in this CD. There are listed as following and will not be repeated in the CD description later.

AERMET Output Met Data (6 files) to be used as AERMOD input files:

laxh05.sfc	AERMET 2005 Surface File
laxh05.pfl	AERMET 2005 Profile File
laxh06.sfc	AERMET 2006 Surface File
laxh06.pfl	AERMET 2006 Profile File
laxh07.sfc	AERMET 2007 Surface File
laxh07.pfl	AERMET 2007 Profile File
laxh08.sfc	AERMET 2008 Surface File
laxh08.pfl	AERMET 2008 Profile File
laxh09.sfc	AERMET 2009 Surface File
laxh09.pfl	AERMET 2009 Profile File

Ozone Data (3 Files) formatted for AERMOD input:

O3LAXH_05.dat	Hourly 2005 Ozone Data for LAX
O3LAXH_06.dat	Hourly 2006 Ozone Data for LAX
O3LAXH_07.dat	Hourly 2007 Ozone Data for LAX
O3LAXH_08.dat	Hourly 2008 Ozone Data for LAX
O3LAXH_09.dat	Hourly 2009 Ozone Data for LAX

AERMOD.exe      AERMOD executable file

Standard naming convention in this CD

- \*.ADI    - AERMOD input file
- \*.OUT    - AERMOD / Screen3 output file
- \*.PLT    - AERMODD Output Plot file

The following shows the contents of the modeling CD.

CumulativeNOCD.zip.

File name	Description
NO_SIL.prn	Receptors that have above 1 hour NO2 SIL (7.5ug/m3) identified in previous work, that were used in this modeling work
NOU9ST05.adi	2005 AERMOD input file for the ELSG cumulative impact 1 hour NO2 input file, including all units in ELSG and other facilities near ELSG
NOU9ST05.out	2005 AERMOD output file for the ELSG cumulative impact 1 hour NO2 input file
MAXALL05.txt	2005AERMOD output MAXIFILE that shows every hour and every receptor that has (All unit + Background) impacts > 188 ug/m3
MAXPRP05.txt	2005 AERMOD output MAXIFILE that shows every hour and every receptor that has (unit 9, 11 and 12) impacts > SIL level (7.5 ug/m3)
MAXPRP05.xlsx	An excel spreadsheet that analyze the data from the above two files and show there is no overlap in time and receptor between the impacts for year 2005
ALLUT05.PLT	2005 AERMOD plot file for all units in the modeling
NOU9ST06.adi	2006 AERMOD input file for the ELSG cumulative impact 1 hour NO2 input file, including all units in ELSG and other facilities near ELSG
NOU9ST06.out	2006 AERMOD output file for the ELSG cumulative impact 1 hour NO2 input file
MAXALL06.txt	2006AERMOD output MAXIFILE that shows every hour and every receptor that has (All unit + Background) impacts > 188 ug/m3
MAXPRP06.txt	2006 AERMOD output MAXIFILE that shows every hour and every receptor that has (unit 9, 11 and 12) impacts > SIL level (7.5 ug/m3)
MAXPRP06.xlsx	An excel spreadsheet that analyze the data from the above two files and show there is no overlap in time and receptor between the impacts for year 2006
ALLUT06.PLT	2006 AERMOD plot file for all units in the modeling
NOU9ST07.adi	2007 AERMOD input file for the ELSG cumulative impact 1 hour NO2 input file, including all units in ELSG and other facilities near ELSG
NOU9ST07.out	2007 AERMOD output file for the ELSG cumulative impact 1 hour NO2 input file
MAXALL07.txt	2007AERMOD output MAXIFILE that shows every hour and every receptor that has (All unit + Background) impacts > 188 ug/m3
MAXPRP07.txt	2007 AERMOD output MAXIFILE that shows every hour and every receptor that has (unit 9, 11 and 12) impacts > SIL level (7.5 ug/m3)
MAXPRP07.xlsx	An excel spreadsheet that analyze the data from the above two files and show there is no overlap in time and receptor between the impacts for year 2007
ALLUT07.PLT	2007 AERMOD plot file for all units in the modeling
NOU9ST08.adi	2008 AERMOD input file for the ELSG cumulative impact 1 hour NO2 input file, including all units in ELSG and other facilities near ELSG
NOU9ST08.out	2008 AERMOD output file for the ELSG cumulative impact 1 hour NO2 input file
MAXALL08.txt	2008AERMOD output MAXIFILE that shows every hour and every receptor that has (All unit + Background) impacts > 188 ug/m3
MAXPRP08.txt	2008 AERMOD output MAXIFILE that shows every hour and every receptor that has (unit 9, 11 and 12) impacts > SIL level (7.5 ug/m3)
MAXPRP08.xlsx	An excel spreadsheet that analyze the data from the above two files and show there is no overlap in time and receptor between the impacts for year 2008
ALLUT08.PLT	2008 AERMOD plot file for all units in the modeling
NOU9ST09.adi	2009 AERMOD input file for the ELSG cumulative impact 1 hour NO2 input file, including all units in ELSG and other facilities near ELSG
NOU9ST09.out	2009 AERMOD output file for the ELSG cumulative impact 1 hour NO2 input file
MAXALL09.txt	2009AERMOD output MAXIFILE that shows every hour and every receptor that has (All unit + Background) impacts > 188 ug/m3

MAXPRP09.txt	2009 AERMOD output MAXIFILE that shows every hour and every receptor that has (unit 9, 11 and 12) impacts > SIL level (7.5 ug/m3)
MAXPRP09.xlsx	An excel spreadsheet that analyze the data from the above two files and show there is no overlap in time and receptor between the impacts for year 2009
ALLUT09.PLT	2009 AERMOD plot file for all units in the modeling