



# South Coast Air Quality Management District

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July 13, 2012

Mr. Craig Sakamoto  
Environmental Section Supervisor, Air/Title V  
ExxonMobil Oil Corporation  
3700 West 190<sup>th</sup> Street  
Torrance, CA 90504

**SUBJECT:** Significant Permit Revision to Title V Facility Permit  
Emergency IC Engine (Device ID # D2428)

**REFERENCE:** SCAQMD Facility ID: 800089  
SCAQMD Application #519368

Dear Mr. Sakamoto:

Please find attached a Significant Permit Revision to your Title V Facility Permit for ExxonMobil Torrance Refinery located at 3700 W. 190<sup>th</sup> Street, Torrance, California. The attached revision includes the following sections:

- Title Page – Revision # 95
- Table of Contents – Revision # 95
- Section B – Revision # 31
- Section D – Revision # 42

The Facility Permit reflects the inclusion of the following administrative changes and one application approved for Permit to Construct/Permit to Operate (PC/PO):

#### Section B (RECLAIM Annual Emission Allocation) – Administrative Revision

On September 5, 2002, the South Coast Air Quality Management District (AQMD) issued your facility a Clean Fuels Plan (A/N 400457) pursuant to Rule 2002(c)(12). Under the approved Plan, your facility annual allocations was increased by 25,115 pounds of NO<sub>x</sub> and 4,884 pounds of SO<sub>x</sub> for Compliance Years 2001 and forward which is equal to the calculated emission increases expected from the modifications required solely to comply with the state or federal reformulated gasoline requirements at your refinery.

As a result of the amendment to Rule 2002 in January 2005 to further reduce RECLAIM NO<sub>x</sub> Allocations, the NO<sub>x</sub> historical baseline Clean Fuel Adjustments for Compliance Year 2007 and subsequent years were reduced by the appropriate adjustment factors as stated in Rule 2002(f)(1)(A). For Compliance Year 2011, ExxonMobil's NO<sub>x</sub> RTCs issued pursuant to Rule 2002(c)(12) was reduced from 25,115 pounds to 19,464 pounds.

AQMD reviewed the data you provided in your facility's Compliance Year 2011 APEP report and calculated, using the equations in your approved Clean Fuels Plan, total NO<sub>x</sub> emission increase of 18,733 pounds and a total SO<sub>x</sub> emission increase of 4,248 pounds. Pursuant to Rule 2002(c)(12) and the approved plan, your facility's Compliance Year 2011 NO<sub>x</sub> Allocation is hereby decreased by 731 pounds (18,733 lbs. – 19,464 lbs.) and your facility's Compliance Year 2011 SO<sub>x</sub> Allocation is hereby decreased by 636 pounds (4,248 lbs. – 4,884 lbs.).

*Cleaning the air that we breathe...*

In accordance to the conditions of your approved Plan, your Allocations for Compliance Year 2011, after these adjustments, will be used to determine compliance with Rule 2004(d) – Prohibition of Emissions in Excess of Annual Allocation.

Additionally, our review of your APEP report also found errors in the entries for “Allocation Adjustments Previously Issued” and “Adjustments to be Made” in Section VIII. The value for “Allocation Adjustments Previously Issued” for NOx should be 25,115 but was entered as 20,142 pounds. For the NOx “Adjustments to be Made”, the value should be a decrease of 6,382 pounds but the entered value was a decrease of 1,409 pounds. Please take note of these discrepancies and take appropriate steps to ensure that the APEP report is properly completed in the future. Finally, the enclosed Revision 31 of your Facility Permit Section B is issued to reflect these Clean Fuels allocation adjustments prior to determining compliance with your Allocations.

Section D (Permit to Operate) – Significant Revision

A/N	Permit Unit	Permit Action	Section	Process	System
519368	Emergency Fire Water Supply System: Emergency IC Engine	Install a new emergency IC Engine for the refinery’s fire pump.	D	17	3

Please be advised that, pursuant to Rule 205, the PC/PO for the Fire Water Emergency IC Engine shall expire one year from the date of this letter, unless an extension of time has been approved in writing by the Executive Officer or the construction has been completed before the expiration date.

A draft permit for the equipment was submitted to U.S. EPA Region IX (EPA) for their 45-day review and made available to the public for a 30-day comment period on June 6, 2012 and June 11, 2012, respectively. No comment was received. The attached revision also includes an administrative change for the removal of an existing emergency IC engine (device D1500, A/N 192385) from section D. This engine is no longer operational.

This Title V permit revision is covered under application number 519367. Please review the attached sections carefully. Insert the enclosed sections into your Title V Facility Permit and discard the earlier versions. If you have any questions about the changes to your permit, please contact Mr. Sandys Thomas at (909) 396-3162 or [sthomas@aqmd.gov](mailto:sthomas@aqmd.gov) for Section B and Ms. Cynthia Carter at (909) 396-2431 or [ccarter@aqmd.gov](mailto:ccarter@aqmd.gov) for Section D.

Sincerely,



Jay Chen, P.E.  
Senior Engineering Manager  
Refinery, Waste Management and Terminal Permitting  
Engineering and Compliance

JC:kn:cc  
Enclosures

cc: Gerardo C. Rios, USEPA (via email to [R9AirPermits\\_SC@epa.gov](mailto:R9AirPermits_SC@epa.gov))  
Edwin Pupka, Compliance, SCAQMD  
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