



# South Coast Air Quality Management District

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May 8, 2009

Mr. Wesley Waida  
Environmental Manager  
Ultramar, Inc.  
2402 E. Anaheim Street  
Wilmington, CA 90744

**Subject: Transmittal of Final Title V Permit**

Facility ID	Facility Name	Address
800026	Ultramar, Inc.	2402 E. Anaheim Street Wilmington, CA 90744

Dear Mr. Waida:

Enclosed is the final Title V permit, for the facility listed above, that has been issued by the South Coast Air Quality Management District (AQMD). Effective May 29, 2009, this Title V permit supersedes the current revision of the RECLAIM Facility Permit issued for your facility by the AQMD.

The draft copy of this permit was submitted to the U.S. EPA Region IX (EPA) for a 90-day review period (July 2, 2008 to October 15, 2008) and made available for a 60-day public comment period (July 7, 2008 to September 5, 2008). The AQMD received comments on the draft permit from the EPA on October 15, 2008, the facility on September 4, 2008, and the public on August 15, 2008 and September 5, 2008. Based on the EPA's, Ultramar's, and public comments, we have made the following changes to the proposed Title V permit:

**A. Changes from EPA comments:**

1. All date citations to the requirements of 40 CFR 60 Subpart A have been updated to the current amended date of May 16, 2007.
2. All date citations to the requirements of NSPS Subpart Db have been updated to the current amended date of November 16, 2006.
3. All date citations to the requirements of NSPS Subpart J have been updated to the current amended date of June 24, 2008.
4. An emission basis of "coke burnoff" has been added to the PM NSPS Subpart J limit for the FCCU regenerator, D36 in Section D.
5. H<sub>2</sub>S Condition H23.5 (Subpart J applicability) has been added to LPG Flare, C400 in Section D.

6. The H<sub>2</sub>S, NSPS Subpart J emission limit has been removed from Phase 0 Flare, C401 in Section D. C401 is an acid gas flare and is not subject to the requirements of Subpart J as noted under the Consent Decree.
7. New Condition D90.13 has been added to Platformer Heater 70-H-1/2/3, D74 (Process 5, System 2) to specify that Ultramar comply with the requirements of the approved Alternative Monitoring Plan (AMP) for NSPS Subpart J.
8. All date citations to the requirements of NSPS Subpart K have been updated to the current amended date of October 17, 2000.
9. All date citations to the requirements of NSPS Subpart Ka have been updated to the current amended date of December 14, 2000.
10. All date citations to the requirements of NSPS Subpart GGG have been updated to the current amended date of June 2, 2008.
11. All date citations to the requirements of NSPS Subpart QQQ have been updated to the current amended date of October 17, 2000.
12. All date citations to the requirements of NESHAP Subpart UUU have been updated to the current amended date of April 20, 2006.
13. Facility condition F52.2 has been added requiring the facility to comply with the requirements of 40 CFR 60 Subpart A, 40 CFR 61 Subpart A, and 40 CFR 63 Subpart A.
14. The most recent 12-3-2004 version (non federally enforceable) of Rule 202 has been tagged along with the federally enforceable version (May 7, 1976) as the basis for the following condition.

Section	Condition
H	I331.1

15. The most recent May 7, 2008 version (non federally enforceable) of Rule 461 has been tagged along with the federally enforceable version (June 3, 2005) as the basis for the following conditions tagged.

Section	Condition
D	D330.1
H	D330.1

16. The most recent July 13, 2007 version (non federally enforceable) of Rule 1113 has been tagged along with the federally enforceable version (November 8, 1996) to all devices subject to Rule 1113.
17. The most recent September 5, 2008 version of Rule 1146 has been tagged along with the federally enforceable version (November 17, 2000) to the CO limit in the Emissions and Requirements column of the following devices.

Section	Equipment	Process	System
D	Vacuum feed heater, D9	1	6
	Gas oil Unibon hydrotreating unit heater, D52	4	2

Section	Equipment	Process	System
	Olefin hydrotreating unit heater, D59 and D60	4	4
	Naphtha hydrotreater charge heater, D429	4	8
	Platformer unit heater, D73	5	2
	Boiler, D377	15	1

18. The most recent May 2, 2008 version (non federally enforceable) of Rule 1149 has been tagged along with the federally enforceable version (July 14, 1995) as the basis for the following conditions.

Section	Condition
D	S13.5, S13.12, H23.12, H23.14
H	S13.5, S13.12

19. The most recent July 7, 2008 version (non federally enforceable) of Rule 1158 has been tagged along with the federally enforceable version (June 11, 1999) as the basis for the following conditions:

Section	Condition
D	S13.1, A63.7, E125.1, E202.2, H116.4
H	S13.1

20. The most recent February 1, 2008 version (non federally enforceable) of Rule 1171 has been tagged along with the federally enforceable version (November 7, 2003) to all devices subject to Rule 1171.
21. All date citations to the requirements of Rule 1470 have been updated to the current amended date of June 1, 2007.
22. A new facility-wide condition (F52.3) has been added to require the facility to comply with all applicable requirements of the Consent Decree. Further, this condition requires the facility to send the District a copy of the semiannual update report sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree. This report shall also identify any anticipated future requirements known as of the date of the report and dates of compliance for the requirements.
23. New condition D90.10 requiring the operator to periodically monitor the vapor pressure of the material in the storage tanks according to specific methods has been added to the following devices:

Section	Equipment	Process	System
D	Fixed roof storage tank, D217, D218, D221, D252	14	1
	External floating roof storage tank, D256, D259, D260, D262, D264, D271, D272, D273, D274	14	2
	Mobile storage tank, D307, D309	14	4

24. New conditions D90.11 and D90.12 requiring the operator to monitor and record the throughput according to a specific method have been added to the following devices.

Section	Equipment	Process	System
D	Tank truck loading arm, D196, D197, D547 (Cond. D90.12)	12	4
	Fixed roof storage tank, D252 (Cond. D90.12)	14	1
	External floating roof storage tank, D258, D266, D864, D868 (Cond. D90.11)	14	2

25. Condition B61.1 has been modified to require the operator maintain a continuous total sulfur analyzer to monitor the sulfur content of the fuel gas.
26. A clarification to the condition C12.1 has been made. The condition now specifies that the source test shall be performed for the FCCU regenerator (Device D36) according to the requirements specified in Permit Condition D29.12.

**B. Changes from Ultramar comments:**

1. The following emission units have been identified as subject to 40 CFR 61 Subpart FF, Benzene NESHAP.
- a. The template for the 40 CFR 61 Subpart FF, Benzene NESHAP requirements has been added to Emissions and Requirements column for the following devices:

Section	Equipment	Process	System
D	Crude tank draw off sump, D199	12	4
	Storage tank, D276	14	2
H	Centrifuge feed tank for wastewater treatment system, D213	13	1
	Drain System Component for wastewater treatment system, D1405	13	1

- b. The 500 ppmv VOC limit of 40 CFR 61 Subpart FF, Benzene NESHAP has been tagged to the following devices in the Emissions and Requirements column.

Section	Equipment	Process	System
D	Crude tank draw off sump, D199	12	4
	Storage tank, D276	14	2
H	Centrifuge feed tank for wastewater treatment system, D213	13	1

- c. Condition H23.25 (Subpart FF applicability) added has been tagged to the following devices:

Section	Equipment	Process	System
D	Crude tank draw off sump, D199	12	4
	Diversion box sump, D201	13	1
	Storage tank, D276	14	2
H	Diversion box sump, D201	13	1
	Centrifuge feed tank for wastewater treatment system, D213	13	1
	Drain System Component for wastewater treatment system, D1405	13	1

2. The following emission units have been identified as subject to NSPS Subpart GGG and Rule 1173. Condition H23.16 (NSPS Subpart GGG and Rule 1173 applicability) has been tagged to the following devices:

Section	Equipment	Process	System
D	Recycle gas compressor, D708	4	5
	Recycle compressor, D594	4	7
	Fugitives, Field Butane Caustic Treating, D1348; Condition H23.17 (Rule 1173 applicability) has been removed from D1348	10	8

3. The following emission units have been identified as subject to Subpart CC, Group 2 Emission Points: Misc. Process Vents, Storage Vessels, and Wastewater Streams (Template #2). The Subpart CC, Group 2 template has been added to the following devices in the Emissions and Requirements column:

Section	Equipment	Process	System
D	Crude tank draw off sump, D199	12	4
	Wastewater separator, parallel plate interceptor, D210 and D215	13	1
	Crude tank draw-off sump, D999	13	1
	Storage tank, D217 and D218	14	1
	Storage tank, D276 and D277	14	2
H	Storage tank for the Alkylation unit, D1510	7	1
	Treated effluent sump for waste water treatment system, D1618	13	1
	Wastewater separator, parallel plate interceptor, D210 and D215	13	1
	Crude tank draw-off sump, D999	13	1

4. The following emission units have been identified as subject to Subpart CC, Group 1 Emission Points: Wastewater Streams (Template #4). The Subpart CC, Group 1 template has been added to the following devices in the Emissions and Requirements column:

Section	Equipment	Process	System
D	Drain System Component for Gas Oil Hydrodesulfurization Unit, D1469	4	5
	Drain System Component for Naphtha Hydrotreater/Splitter Unit, D1470	4	7
H	Drain System Component for FCCU Gas Plant, D1409	8	2

5. A tag name for the caustic treating scrubber, D1525 (Process 10, System 8) in Section H has been corrected from "69-V-6" to "64-V-6".
6. The following applications have been cancelled and removed from the permit in Section H:

	A/N	Equipment ID	Device ID	Permit Action	Process	System
1	419147	Heater 56-H-2	D430	The device and conditions associated with this application were removed from Section H. The modification to upgrade heater from 200 MMBtu/hr to 260 MMBtu/hr was never made. A/N 419147 has been cancelled.	4	8
2	421772	Selective Catalytic Reduction for Heater 56-H-2	C431	The device and conditions associated with this application were removed from Section H. A/N 421772 has been cancelled.	4	8

**C. Other Administrative Changes:**

1. A typographical error has been corrected in conditions S4.2 and S31.5: "All open-ended valves..." corrected to "All open-ended lines....".
2. The statement "This condition shall become effective when the initial Title V permit is issued to the facility." has been removed from all Title V periodic monitoring conditions.
3. Rules 301, 1402, and 3006 have been listed as rules the facility is subject to in Section K.

**D. Local Permits Issued Pursuant to Rule 3002(a):**

In addition, please note that local permits in the table below were issued to Ultramar pursuant to Rule 3002(a) as part of this Title V permit. This rule allows the District to issue a non-Title V permit to existing Phase One or Phase Two facilities that apply for a non-Title V permit prior to the issuance of their initial Title V permit. **In accordance with device condition I30.1, Ultramar is required to file an application for a Title V permit revision for this equipment within 90 days of the issuance of the facility's initial Title V permit.**

	A/N	Equipment	Device ID	Permit Action	Section	Process	System
1	483995	Storage Tank 94-TK-9007	D261	Change of condition to increase the crude oil vapor pressure	D	14	2
2	487438	Emergency Internal Combustion Engine	D1639	New construction	D	19	2
3	451450	Tank Truck Bulk Loading System	D197 D198 D199 D1626	Removal and transfer of decant oil loading arm (D547) operations to another loading arm (D197). Consolidate existing loading arm (D196) to another loading arm (D197)	H	12	4

	A/N	Equipment	Device ID	Permit Action	Section	Process	System
4	493022	Fuel Dispensing Station	D983 D984 D990	Phase II Enhanced Vapor Recovery (EVR) System upgrade	H	19	1

**E. Section B – RECLAIM Annual Emission Allocation**

On June 15, 2000, the South Coast Air Quality Management District (AQMD) issued your facility a Clean Fuels Plan (A/N 334141) pursuant to Rule 2002(c)(12). Under the approved Plan, your facility annual allocations was increased by 47,036 pounds of NOx and 50,525 pounds of SOx for Compliance Years 2000 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. To ensure that the allocation adjustments issued in 2000 are equal to actual emissions year-by-year, conditions were imposed under the Plan for your facility to report certain throughput data in order to determine actual emission increases. Your facility's Allocations for a compliance year will then be adjusted (either upward or downward) based on actual data presented in that year's Annual Permit Emissions Program (APEP) Report – Section VIII (Refinery Clean Fuel Adjustments).

Accordingly, AQMD reviewed the data you provided in your facility's Compliance Year 2008 APEP report and calculated, using the equations in your approved Plan, total NOx emission increase of 58,251 pounds and SOx emission increase of 16,968 pounds. Therefore, your facility's Compliance Year 2008 NOx Allocation is hereby increased by 11,215 pounds (58,251 lbs. – 47,036 lbs.) and SOx Allocation is hereby decreased by 33,557 pounds (16,968 lbs. – 50,525 lbs.). In accordance to the conditions of your approved Plan, your Allocations for Compliance Year 2008, after these adjustments, will be used to determine compliance with Rule 2004(d) – Prohibition of Emissions in Excess of Annual Allocation.

The enclosed Section B is reissued to reflect these Clean Fuels allocation adjustments prior to determining compliance with your Allocations. Please review the attached Section B carefully.

Questions concerning Section B changes to your permit should be directed to Mr. Don Nguyen at (909) 396-2352. Any questions on other sections of the permit should be directed to Ms. Connie Yee at (909) 396-2619 or cyee@aqmd.gov.

Sincerely,



Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering and Compliance

MN:JC:BC:CY:DN  
Attachments

cc: Gerardo C. Rios, EPA  
Barry R. Wallerstein  
Jay Chen  
Compliance  
Title V Application File

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