



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

November 8, 2013

Mr. Matt Smith  
Environmental Engineer  
Valero Wilmington Refinery  
2402 E. Anaheim Street  
Wilmington, CA 90744

Dear Mr. Smith:

Enclosed are the revised Title Page, Table of Contents, Section D, Section H, and Section I of your Title V Facility Permit (Facility ID# 800198) for Ultramar/Valero's Marine Terminal located at 961 La Paloma Avenue, Wilmington, CA. The revised permit reflects the following changes:

Section D: PERMITS TO OPERATE ADDED

Application No.	Permit No.	Equipment/Description
430537	G2413	Marine Terminal Waste Gas Collection/Incineration System
433733	G27412	Marine Bulk Loading/Unloading , Berths 163 and 164
433801	G27414	Storm Water Storage/Holding Tank 99-TK-1
433802	G27419	Storm Water Storage/Holding Tank 99-TK-2

Section D: PERMITS TO OPERATE REMOVED (Superseded by new permits)

Old Permit No.	New Permit No(s).	Equipment/Description
D07198	G27412	Superseded
D07203	G27414/G27419	Superseded

Section I: PLANS & SCHEDULES

Application No.	Plan/Description
527090	Rule 463 Plan/Storage Tank and Inspection & Maintenance

Section H: PERMITS TO CONSTRUCT REMOVED (Moved to Section D)

Application No.	Equipment/Description
430537	Marine Terminal Waste Gas Collection/Incineration System
433733	Marine Bulk Loading/Unloading , Berths 163 and 164

The modification of the oily water gathering and separating system and Rule 463 Inspection and Maintenance Plan approval is a "de-minimus significant permit revision" to the Title V permit. The proposed revised permit was submitted to the EPA for review on June 25, 2013. No comments were received during the EPA 45-day comment period.

Mr. Smith

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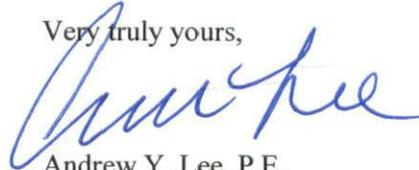
November 8, 2013

Converting Permits to Construct to Permits to Operate (moving from Section H to Section D) is an "administrative permit revision" to the Title V permit and was not submitted to the EPA for review.

Please review the attached sections carefully. Insert the enclosed sections into your Title V Facility Permit and discard the earlier versions.

The operation of your facility is bound by the conditions and/or requirements stated in the facility Permit to Operate. If you determine there are administrative errors, or if you have any questions, please contact Mr. Ed O'Neal, A.Q. Engineer at (909) 396-2665 or within 30 days of the receipt of your permit.

Very truly yours,



Andrew Y. Lee, P.E.  
Senior Manager  
Engineering & Compliance

TGL:CDT:EON

Enclosures

cc: (w/enclosures)  
Gerardo Rios, EPA Region IX  
Compliance  
Central File  
A/N 527089



## FACILITY PERMIT TO OPERATE

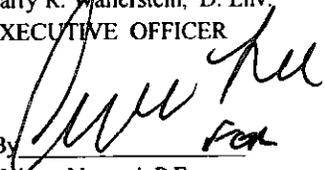
**ULTRAMAR INC  
961 LA PALOMA AVE  
WILMINGTON, CA 90744**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
Mousen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC**

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Section	Description	Revision #	Date Issued
A	Facility Information	0	04/06/2009
B	RECLAIM Annual Emission Allocation	0	04/06/2009
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	3	11/08/2013
E	Administrative Conditions	0	04/06/2009
F	RECLAIM Monitoring and Source Testing Requirements	0	04/06/2009
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	0	04/06/2009
H	Permit To Construct and Temporary Permit to Operate	3	11/08/2013
I	Compliance Plans & Schedules	1	11/08/2013
J	Air Toxics	0	04/06/2009
K	Title V Administration	0	04/06/2009
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	0	04/06/2009
B	Rule Emission Limits	0	04/06/2009



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Facility Equipment and Requirements  
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

### PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO OPERATE AT THIS FACILITY:

Application Number	Permit to Operate Number	Equipment Description	Page Number
178053	D07205	RAILCAR LOADING/UNLOADING CRUDE OIL	4
178055	D07207	TANK TRUCK UNLOADING PETROLEUM MIDDLE DISTILLATE	6
328976	F11333	ICE (137 HP) EM FIRE FIGHT - DIESEL	8
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430537	G27413	MARINE TERMINAL WASTE GAS COLLECTION SYSTEM/INCINERATION	12
433733	G27412	MARINE BULK LOADING/UNLOADING BERTHS 164 AND 164	15
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433791	F70669	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-120002)	20
433792	F70670	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-120003)	22
433793	F70671	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-120004)	24
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433795	F70673	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-42502)	28
433801	G27414	STORM WATER STORAGE/HOLDING TANK 99-TK-1	30
433802	G27419	STORM WATER STORAGE/HOLDING TANK 99-TK-2	31
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443862	G18979	STORAGE TANK, DOMED EXT FLOAT ROOF, GAS-OIL (NO. 99-TK-67004)	38
448253	G18980	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-7301)	40
448254	G18981	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-7302)	42
448255	G18982	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-11001)	44
448256	G18983	STORAGE TANK FX RF W/ INT FLT GAS-OIL (NO. 99-TK-21001)	46

**NOTE:** ANY APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**FACILITY WIDE CONDITION(S)**

**Condition(s):**

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
  - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.  
[RULE 401]
  
2. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
  
3. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 431.1 AND RULE 431.2.  
[RULE 431.1, RULE 431.2]
  
4. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 1173.  
[RULE 1173]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. D07205  
A/N 178053**

**Equipment Description:**

SOUTH TRUCK LOADING/UNLOADING FACILITY CONSISTING OF:

1. ONE 4" LOADING SPOUT
2. TWO 4" UNLOADING CONNECTIONS.
3. ONE METER, A. O. SMITH
4. LOADING/UNLOADING PUMP, VIKING WITH PACKED GLAND AND 30 HP MOTOR

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE TOTAL COMBINED LOADING LIMIT FOR EQUIPMENT LOADING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 77.5 MM HG (1.5 PSIA) OR GREATER UNDER ACTUAL LOADING CONDITIONS SHALL NOT EXCEED 19999 GALLONS PER DAY.  
[RULE 462, RULE 1303(b)(2) - OFFSET]
4. THIS EQUIPMENT SHALL NOT BE USED FOR LOADING GASOLINE.  
[RULE 1303(b)(2) - OFFSET]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 462



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. D07207  
A/N 178055**

**Equipment Description:**

TANK TRUCK UNLOADING FACILITY (NORTH RACK) CONSISTING OF:

1. FOUR 4" UNLOADING CONNECTIONS.
2. ONE METER, A.O.SMITH.
3. UNLOADING PUMP, PEERLESS, CENTRIFUGAL, WITH MECHANICAL SEAL AND A 40 HP MOTOR
4. LOADING/UNLOADING PUMP, INGERSOLL-RAND, CHEMLINER WITH MECHANICAL SEAL AND 40 HP MOTOR (COMMON TO TANK CAR LOADING FACILITY AND R.R./TANK TRUCK LOADING/UNLOADING FACILITY)

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE TOTAL COMBINED LOADING LIMIT FOR EQUIPMENT LOADING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 77.5 MM HG (1.5 PSIA) OR GREATER UNDER ACTUAL LOADING CONDITIONS SHALL NOT EXCEED 19999 GALLONS PER DAY.  
[RULE 462, RULE 1303(b)(2) - OFFSET]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Emissions and Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 462



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F11333  
A/N 328976**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 99-P-40, DIESEL FUEL, CUMMINS, MODEL NO. V-378-F2, SERIAL NO. 20230035. 137 HP @ 3300 RPM

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL LIMIT THE OPERATING TIME TO NO MORE THAN 199 HOURS IN ANY ONE YEAR.  
[RULE 1304(a)(4) - MODELING AND OFFSET EXEMPTION]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[[RULE 1304(a)(4) - MODELING AND OFFSET EXEMPTION]
5. THE OPERATOR SHALL INSPECT, ADJUST, AND CERTIFY THE IGNITION OR FUEL INJECTION TIMING OF THIS ENGINE A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND PERFORMED IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.  
[RULE 1303(a)(1) - BACT]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

6. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS:

THE DATE OF OPERATION, THE ELAPSED TIME IN HOURS AND THE REASONS FOR OPERATION.

[RULE 204]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 1470



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

### PERMIT TO OPERATE

Permit No. F11335  
A/N 328977

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 99-P-41, DIESEL FUEL, CUMMINS, MODEL NO. NT-855-F2, SERIAL NO. 10307631, 285 HP @ 1750 RPM, TURBOCHARGED

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL LIMIT THE OPERATING TIME TO NO MORE THAN 199 HOURS IN ANY ONE YEAR.  
[RULE 1304(a)(4) - MODELING AND OFFSET EXEMPTION]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 1304(a)(4) - MODELING AND OFFSET EXEMPTION]
5. THE OPERATOR SHALL INSPECT, ADJUST, AND CERTIFY THE IGNITION OR FUEL INJECTION TIMING OF THIS ENGINE A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND PERFORMED IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.  
[RULE 1303(a)(1) - BACT]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

6. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS:

THE DATE OF OPERATION, THE ELAPSED TIME IN HOURS AND THE REASONS FOR OPERATION.

[RULE 204]

**Periodic Monitoring:**    NONE

**Emissions and Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM:    RULE 1470



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

P/O G27413  
A/N 430537

**Equipment Description:**

**AIR POLLUTION CONTROL SYSTEM CONSISTING OF:**

1. DETONATION ARRESTOR, DOCK SAFETY UNIT, 99-ME-01 WITH PARTICULATE FILTER 99-F-01 AND DETONATION ARRESTOR A-MV101
2. SUMP, 99-SMP-01, LOW POINT LIQUID COLLECTION
3. KNOCK OUT POT, 99-V-09, HEIGHT: 6FT; DIAMETER: 1 FT 6 IN
4. BLOWER, 99-BL-02, VAPOR SERVICE, 25 HP, 1762 SCFM
5. BLOWER, 99-BL-03, COMBUSTOR AIR, 7.5 HP, 4200 SCFM
6. INCINERATOR, CALLIDUS, MODEL A-MV202, 136 MMBTU/HR WITH ONE BURNER IN PRIMARY STAGE AND FOUR BURNERS IN SECONDARY STAGE, NATURAL GAS FIRED PILOTS AND DETONATION ARRESTOR, COMBUSTOR, MODEL A-MV201

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE IN FULL OPERATION WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.  
[RULE 1142]
4. WHENEVER THE INCINERATOR IS IN OPERATION, THE OPERATOR SHALL LIMIT THE FUEL USAGE TO NO MORE THAN 225 CUBIC FEET PER MINUTE.  
[RULE 1303(b)(2) - OFFSET]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

5. A NON-RESETTABLE TOTALIZING FUEL FLOW METER SHALL BE INSTALLED AND MAINTAINED TO ACCURATELY INDICATE THE FUEL USAGE BEING SUPPLIED TO THE INCINERATOR.  
[RULE 1303(b)(2) - OFFSET]
6. THE OPERATOR SHALL LIMIT THE VAPOR FLOW RATE TO THE INCINERATOR TO NO MORE THAN 725 CUBIC FEET PER MINUTE.  
[RULE 1303(b)(2) - OFFSET]
7. A FLOW METER SHALL BE INSTALLED AND MAINTAINED TO ACCURATELY INDICATE THE FLOW RATE FROM THE VAPOR SERVICE BLOWER TO THE INCINERATOR.  
[RULE 1303(b)(2) - OFFSET]

### Periodic Monitoring:

8. WHENEVER THE INCINERATOR IS IN OPERATION, THE TEMPERATURE IN THE FIREBOX SHALL NOT BE LESS THAN 1400 DEGREES FAHRENHEIT.  
[RULE 1303(b)(2) - OFFSET, RULE 1142, RULE 3004(a)(4) - PERIODIC MONITORING]
9. A CONTINUOUS TEMPERATURE MEASUREMENT AND RECORDING DEVICE SHALL BE INSTALLED AND MAINTAINED TO ACCURATELY INDICATE THE TEMPERATURE IN THE FIREBOX.  
[RULE 1303(b)(2) - OFFSET, RULE 1142, RULE 3004(a)(4) - PERIODIC MONITORING]
10. A SOURCE TEST SHALL BE PERFORMED ONCE EVERY THREE YEARS TO DETERMINE THE POUNDS OF VOC EMITTED PER 1000 BARRELS OF ORGANIC LIQUID LOADED.  
[RULE 1142, RULE 3004(a)(4) - PERIODIC MONITORING]
11. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A DAILY BASIS WHENEVER FUEL IS BURNED. THE ROUTINE DAILY INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

1). TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

2). HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- 1). STACK OR EMISSION POINT IDENTIFICATION;
- 2). DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- 3). DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- 4). ALL VISIBLE EMISSION OBSERVATION RECORDS BY OPERATOR OR A CERTIFIED SMOKE READER.

[RULE 401]

**Emissions and Requirements:**

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: 2 LBS/1000 BARRELS ORGANIC LIQUID LOADED, RULE 1142  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)  
SOX: 500 PPMV, RULE 407



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**P/O G27412  
A/N 433733**

**Equipment Description:**

MARINE TERMINAL BULK LOADING/UNLOADING FACILITY CONSISTING OF:

1. LOADING/UNLOADING ARM, HARBOR BERTH 164-1, ONE WITH FOUR 8 INCH PIPELINE RISERS, WITH GATE VALVE, FLANGES AND FLEXIBLE HOSES CONNECTING TO SHIP MANIFOLDS.
2. LOADING/UNLOADING ARM, HARBOR BERTH 164-2, ONE WITH SIX 8 INCH PIPELINE RISERS, EACH EQUIPPED WITH GATE VALVE, FLANGES AND FLEXIBLE HOSES CONNECTING TO SHIP MANIFOLDS.
3. ONE LOADING/UNLOADING ARM AT HARBOR BERTH 163, WITH SIX 8 INCH PIPELINE RISERS, EQUIPPED WITH GATE VALVE, FLANGES AND FLEXIBLE HOSES CONNECTING TO SHIP MANIFOLDS.
4. COLLECTION SUMP, 4'-0" W. X 4'-0" L. X 6'-0" D.
5. TWO LOADING PUMPS NOS. 99-P-2 AND 99-P-3, EACH CENTRIFUGAL TYPE, WITH MECHANICAL SEALS AND A 250 HP MOTOR
6. LOADING PUMP NO. 99-P-4, POSITIVE DISPLACEMENT TYPE, WITH PACKING GLAND AND A 125 HP MOTOR
7. LOADING PUMP NO. 99-P-14, CENTRIFUGAL TYPE, WITH MECHANICAL SEALS AND A 150 HP MOTOR.
8. TRANSFER PUMP, 99-P-15, WITH MECHANICAL SEALS AND A 200 HP MOTOR
9. LOADING PUMP NO. 99-P-1, CENTRIFUGAL TYPE, WITH MECHANICAL SEALS AND A 200 HP MOTOR
10. TWO LOADING PUMPS NOS. 99-P-21 AND 99-P-22, EACH CENTRIFUGAL TYPE, WITH MECHANICAL SEALS AND A 300 HP MOTOR
11. TRANSFER LINE DRAIN PUMP NO. 99-P-6, POSITIVE DISPLACEMENT TYPE, WITH A PACKING GLAND AND A 15 HP MOTOR.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

[RULE 204]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A VALID PERMIT BY THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT.  
[RULE 1142, RULE 1303(b)(2) - OFFSET]
4. THE OPERATOR SHALL ONLY USE THE FOLLOWING MATERIALS IN THE MARINE LOADING/UNLOADING FACILITY:  
GAS OIL, DECANT OIL, DIESEL OIL, AND LIGHT CYCLE OIL, EACH WITH A TRUE VAPOR PRESSURE OF 0.4 PSIA OR LESS UNDER ACTUAL; OPERATING CONDITIONS DURING LOADING OPERATION.  
[RULE 1303(b)(2) - OFFSET, RULE 1401, RULE 431.1]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT FROM BOTH BARGE AND SHIP LOADING TO 300,000 BARRELS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(b)(2) - OFFSET]
6. A FLOW METER SHALL BE INSTALLED AND MAINTAINED TO ACCURATELY INDICATE THE THROUGHPUT FOR BOTH BARGE AND/OR SHIP LOADING.  
[RULE 204, RULE 1303(b)(2) - OFFSET]
7. THE OPERATOR SHALL LIMIT THE NUMBER OF SHIPS LOADED TO NO MORE THAN NINE (9) IN ANY ONE CALENDAR YEAR.  
[RULE 1303(b)(2) - OFFSET]
8. THE OPERATOR SHALL LIMIT THE NUMBER OF BARGES LOADED TO NO MORE THAN TEN (10) IN ANY ONE CALENDAR MONTH.  
[RULE 1303(b)(2) - OFFSET]
9. THE OPERATOR SHALL LIMIT THE TOTAL COMBINED FLOW RATE FROM ALL LOADING ARMS IN SIMULTANEOUS OPERATION WHILE LOADING PRODUCT INTO A MARINE VESSEL TO NO MORE THAN 3740 GALLONS PER MINUTE. THE PURPOSE OF THIS CONDITION IS TO ENSURE THAT THE VENT GAS DISPLACEMENT RATE DOES NOT EXCEED 500 CUBIC FEET PER MINUTE.  
[RULE 1303(b)(2) - OFFSET]

**Periodic Monitoring:** NONE



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

### Emissions and Requirements:

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: 2 LBS VOC PER 1000 BARRELS ORGANIC LIQUID LOADED OR  $\geq$ 95% REMOVAL EFFICIENCY, RULE 1142

VOC: 15.8 LB/DAY, 30-DAY AVERAGE, LOADING OPERATIONS, RULE 1303(b)(2)-OFFSETS

VOC: 2.0 LB/DAY, 30-DAY AVERAGE, SHIP/BARGE, RULE 1303(b)(2)-OFFSETS

NOX: 87.4 LB/DAY, 30-DAY AVERAGE, SHIP/BARGE, RULE 1303(b)(2)-OFFSETS

CO: 27.3 LB/DAY, 30-DAY AVERAGE, SHIP/BARGE, RULE 1303(b)(2)-OFFSETS

PM10: 9.0 LB/DAY, 30-DAY AVERAGE, SHIP/BARGE, RULE 1303(b)(2)-OFFSETS



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F70668  
A/N 433789**

**Equipment Description:**

STORAGE TANK, INTERNAL FLOATING ROOF, NO 99-TK-120001, WELDED SHELL, 120000 BBL, 134'-0" DIA. X 50'-0" H., WITH FLOATING ROOF, PONTOON, WITH METALLIC SHOE-TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT A 4 TO 8 MONTH INTERVAL TO ENSURE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1178]
4. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463, 40 CFR 60 SUBPART K]



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Periodic Monitoring:** NONE

**Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC/TOC: 40 CFR 60 SUBPART K  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F70669  
A/N 433791**

**Equipment Description:**

STORAGE TANK, INTERNAL FLOATING ROOF, NO. 99-TK-120002, WELDED SHELL, 120000 BBL; 134'-0" DIA. X 50'-0" H., WITH FLOATING ROOF, PONTOON, WITH A METALLIC SHOE-TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT A 4 TO 8 MONTH INTERVAL TO ENSURE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1178]
4. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463, 40 CFR 60 SUBPART K]



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Periodic Monitoring:**    NONE

**Emissions and Requirements:**

5.      THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC/TOC:      40 CFR 60 SUBPART K  
VOC:            RULE 463  
VOC:            RULE 1149  
VOC:            RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F70670  
A/N 433792**

**Equipment Description:**

STORAGE TANK, INTERNAL FLOATING ROOF, NO 99-TK-120003, WELDED SHELL, 120000 BBL, 134'-0" DIA. X 50'-0" H., WITH FLOATING ROOF, PONTOON, WITH A METALLIC SHOE-TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT A 4 TO 8 MONTH INTERVAL TO ENSURE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1178]
4. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463, 40 CFR 60 SUBPART K]



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Periodic Monitoring:** NONE

**Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC/TOC: 40 CFR 60, SUBPART K  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F70671  
A/N 433793**

**Equipment Description:**

STORAGE TANK, INTERNAL FLOATING ROOF, NO 99-TK-120004, WELDED SHELL, 120000 BBL, 134'-0" DIA. X 50'-0" H., WITH FLOATING ROOF, PONTOON, WITH A METALLIC SHOE-TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT A 4 TO 8 MONTH INTERVAL TO ENSURE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1178]
4. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463, 40 CFR 60 SUBPART K]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC/TOC: 40 CFR 60 SUBPART K  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F70672  
A/N 433794**

**Equipment Description:**

STORAGE TANK, INTERNAL FLOATING ROOF, NO 99-TK-42501, WELDED SHELL, 42500 BBL, 80'-0" DIA. X 50'-0" H., WITH FLOATING ROOF, PONTOON, WITH A METALLIC SHOE-TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT A 4 TO 8 MONTH INTERVAL TO ENSURE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1178]
4. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463, 40 CFR 60 SUBPART K]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC/TOC: 40 CFR 60 SUBPART K  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. F70673  
A/N 433795**

**Equipment Description:**

STORAGE TANK, INTERNAL FLOATING ROOF, NO. 99-TK-42502, WELDED SHELL, 42500 BBL; 80'-0" DIA. X 50'-0" H., WITH FLOATING ROOF, PONTOON, WITH METALLIC SHOE-TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT A 4 TO 8 MONTH INTERVAL TO ENSURE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1178]
4. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463, 40 CFR 60 SUBPART K]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC/TOC: 40 CFR 60 SUBPART K  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G27414  
A/N 433801**

**Equipment Description:**

STORM WATER STORAGE/HOLDING TANK, NO. 99-TK-1, 19,800 GALLONS, 11'-3" DIA. X 26'-9" H.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF STORM WATER TO NO MORE THAN 600,000 GALLONS PER CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 464



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G27419  
A/N 433802**

**Equipment Description:**

STORM WATER STORAGE/HOLDING TANK, NO. 99-TK-2, 19,800 GALLONS, 11'-3" DIA. X 26'-9" H.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF STORM WATER TO NO MORE THAN 600,000 GALLONS PER CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 464



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18976  
A/N 443859**

**Equipment Description:**

TANK NO. 99-TK-67001, DOMED EXTERNAL FLOATING ROOF, CAPACITY 67,000 BARRELS, 100'-0" DIA X 48'-0" H, PONTOON, WELDED SHELL, WITH MECHANICAL SHOE PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, AND A GEODESIC DOME COVER.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 2,037,917 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
RULE 1303(b)(2)-OFFSETS
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463]



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Periodic Monitoring:** NONE

**Emissions and Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18977  
A/N 443860**

**Equipment Description:**

TANK NO. 99-TK-67002, DOMED EXTERNAL FLOATING ROOF, CAPACITY 67,000 BARRELS, 100'-0" DIA X 48'-0" H, PONTOON, WELDED SHELL, WITH MECHANICAL SHOE PRIMARY SEAL, WIPER TYPE SECONDARY SEAL AND A GEODESIC DOME COVER.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 2,037,917 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
RULE 1303(b)(2)-OFFSETS
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]

**Periodic Monitoring:** NONE



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Emissions and Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18978  
A/N 443861**

**Equipment Description:**

TANK NO. 99-TK-67003, DOMED EXTERNAL FLOATING ROOF, CAPACITY 67,000 BARRELS, 100'-0" DIA X 48'-0" H, PONTOON, WELDED SHELL, WITH MECHANICAL SHOE PRIMARY SEAL, WIPER TYPE SECONDARY SEAL AND A GEODESIC DOME COVER.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 2,037,917 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
RULE 1303(b)(2)-OFFSETS
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18979  
A/N 443862**

**Equipment Description:**

TANK NO. 99-TK-67004, DOMED EXTERNAL FLOATING ROOF, CAPACITY 67,000 BARRELS, 100'-0" DIA X 48'-0"H, PONTOON, WELDED SHELL, WITH MECHANICAL SHOE PRIMARY SEAL, WIPER TYPE SECONDARY SEAL AND A GEODESIC DOME COVER.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 2,037,917 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
RULE 1303(b)(2)-OFFSETS
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463]



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18980  
A/N 448253**

**Equipment Description:**

TANK NO. 99-TK-7301, INTERNAL FLOATING ROOF, CAPACITY 7300 BARRELS, 36'-0" DIA X 41'-0" H, WELDED SHELL, WITH MECHANICAL SHOE TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 222,042 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2)-OFFSETS]
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER  
[RULE 463]

**Periodic Monitoring:** NONE



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**Emissions and Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18981  
A/N 448254**

**Equipment Description:**

TANK NO. 99-TK-7302, INTERNAL FLOATING ROOF, CAPACITY 7300 BARRELS, 36'-0"DIA X 41'-0"H, WELDED SHELL, WITH MECHANICAL SHOE TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 222,042 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2)-OFFSETS]
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463]

**Periodic Monitoring:** NONE



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

### Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:            RULE 463  
VOC:            RULE 1149  
VOC:            RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**PERMIT TO OPERATE**

**Permit No. G18982  
A/N 448255**

**Equipment Description:**

TANK NO. 99-TK-11001, INTERNAL FLOATING ROOF, CAPACITY 11000 BARRELS, 48'-0" DIA X 35'-6" H, WELDED SHELL, WITH MECHANICAL SHOE TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 334,583 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2)-OFFSETS]
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463]

**Periodic Monitoring:** NONE



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

### Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



## FACILITY PERMIT TO OPERATE ULTRAMAR INC. MARINE TERMINAL

### PERMIT TO OPERATE

Permit No. G18983  
A/N 448256

**Equipment Description:**

TANK NO. 99-TK-21001, INTERNAL FLOATING ROOF, CAPACITY 20700 BARRELS, 60'-0" DIA X 41'-0" H, WELDED SHELL, WITH MECHANICAL SHOE TYPE PRIMARY SEAL

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463, 1178]
4. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN 629,625 BARRELS PER CALENDAR MONTH OF ORGANIC LIQUIDS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2)-OFFSETS]
5. THE OPERATOR SHALL KEEP RECORDS, IN MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):  
  
TYPE OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE OF LIQUIDS UNDER ACTUAL STORAGE CONDITIONS.  
  
[RULE 463]

**Periodic Monitoring:** NONE



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Emissions and Requirements:**

6.      THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:            RULE 463  
VOC:            RULE 1149  
VOC:            RULE 1178



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

**Conditions:**

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (A) COATING TYPE, (B) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (C) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (A) COATING TYPE, (B) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS (C) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.  
[RULE 1113, RULE 109]

**Emissions and Requirements:**

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

**Emissions and Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC:    RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

**Emissions and Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

REFRIGERANTS: RULE 1415

REFRIGERANTS: 40 CFR 82 SUBPART F



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, STORAGE AND TRANSFER EQUIPMENT FOR UNHEATED ORGANIC LIQUIDS

**Emissions and Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC:    RULE 463



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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**Facility Equipment and Requirements  
(Section H)**

(NONE)



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC. MARINE TERMINAL**

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC

### SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans .

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

#### List of approved plans:

Application	Rule
527090	463

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



**Rule 463 Inspection and Maintenance Plan Approval**  
Facility ID : 800198 - Company Name : Ultramar/Valero Marine Terminal

LEGAL OWNER OR OPERATOR Ultramar/Valero Marine Terminal

FACILITY LOCATION 961 La Paloma Avenue, Wilmington, CA 90744

MAILING ADDRESS Same

**ADMINISTRATIVE REQUIREMENTS**

This facility shall be subject to the terms and conditions of this plan unless this plan is suspended, revoked, modified, reissued or denied. Failure to maintain a valid plan is a violation of Rule 463.

It is the responsibility of the facility to comply with other District Rules and Regulations and with all laws, ordinances and regulations of other government agencies which are applicable to the operation of the equipment.

This plan does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This plan cannot be considered as permission to violate existing laws, ordinances, regulation, or statutes of the other governmental agencies.

**RULE 463 EQUIPMENT**

Floating Roof Tanks as listed in submitted plan.

**CONDITIONS**

1. The operator shall conduct the operation of the storage equipment in compliance with all data and specifications submitted with the plan application under which this approval is granted.
2. Floating roof tank seals shall be properly installed and continuously maintained in good operating condition.



## Valero - Marine Terminal Rule 463 Inspection and Maintenance Plan

**This submission contains confidential business information.**

### **Purpose**

This is the revised South Coast Air Quality Management (SCAQMD) Rule 463 Inspection and Maintenance Plan (I&M Plan) submitted in accordance with Rule 463(e)(1)(A) for Valero Marine Terminal, Facility ID #800198.

### **I&M Plan Requirements**

- An inventory of tanks subject to Rule 463(a) - contained in Table 1.1 and Table 1.2.
- A Proposed self inspection schedule - contained in Table 1.1 and Table 1.2.
- Number of certified person dedicated to the program - 12 certified Rule 463 Inspectors.
- Self-Inspection procedures in addition to those required by Rule 463 - n/a.
- Copy of Refinery Safety Procedure used for floating roof tanks – Safety Procedure for Confined Space Entry (Procedure 704.02) is contained in Attachment 1.

**Tank Inventory** (see Table 1.1 and Table 1.2) includes the following information as required by Rule 463(e)(1)(A):

- Tank Identification (ID) #
- Maximum Design Capacity (bbf)
- Product
- Shell Type
- Dimensions
- Seal Type and Manufacturer
- Floating Roof Type
- Date of Construction
- Location

*The information identified in the attachment(s) to the Plan is confidential business information and is protected from disclosure to any third party under California's Public Records Act Section 6254(k) and California Evidence Code Section 1060, and other regulations that may apply.*

**Valero Marine Terminal  
FID #800198**

**Table 1.1 - Inventory of Floating Roof Tank Subject to SCAQMD Rule 463**

Tank ID #	Maximum Capacity (barrels)	Product *	Shell Type	Roof Configuration	Date of Construction	Dimensions		Seal Manufacturer	Seal Type, Primary	Seal Type, Secondary	Proposed Inspection Schedule **
						tank dia (ft)	tank ht (ft)				
99-TK-42501	45,114	Alkylate	welded	IFR	1977	80	50	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-42502	45,114	Iso-Oct	welded	IFR	1977	80	50	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-67001	71,901	Raffinate	welded	DEFR	1959	100	51	HMT	mech shoe	wiper	May-Jun, Nov-Dec
99-TK-67002	71,901	Raffinate	welded	DEFR	1959	100	51	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-67003	67,671	Raffinate	welded	DEFR	1959	100	48	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-67004	67,671	Reformat	welded	DEFR	1959	100	48	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-120001	126,574	RGO	welded	IFR	1977	134	50	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
120002	126,574	LCO	welded	IFR	1974	134	50	HMT	mech shoe	wiper	May-Jun, Nov-Dec
99-TK-120003	126,574	Naphtha	welded	IFR	1977	134	50	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-120004	126,574	RGO	welded	IFR	1977	134	50	HMT	mech shoe	wiper	May-Jun, Nov-Dec

Floating Roof Configuration: IFR - Internal Floating Roof  
DEFR - Domed External Floating Roof

\* Represents typical product. Product may change as needed within permitted allowances.  
\*\* Actual inspection schedule may vary depending on operational needs and availability of inspectors within the inspection requirements as outlined in Rule 463(e)(3).

**Valero Marine Terminal  
FID #800198**

**Table 1.2 - Inventory of Storage Tanks Not Subject to All Sections of SCAQMD Rule 463**

ID #	Maximum Capacity (barrels)	Product *	Shell Type	Roof Configuration	Date of Construction	Dimensions		Seal Manufacturer	Seal Type, Primary	Seal Type, Secondary	Proposed Inspection Schedule **
						tank dia (ft)	tank ht (ft)				
99-TK-7301	7,491	Slop Oil	welded	IFR	1940	36	41	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-7302	7,491	Slop Oil	welded	IFR	1940	36	41	HMT	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-11001	11,531	Decant	welded	IFR	1940	48	35.5	Tarsco	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-21001	20,809	Decant	welded	IFR	1940	60	41	Tarsco	mech shoe	wiper	Mar-Apr, Sep-Oct
99-TK-30001	33,159	Decant	welded	FIXED	1951	70	48	na	na	na	na
99-TK-30002	33,159	Decant	welded	FIXED	1951	70	48	na	na	na	na
99-TK-40001	39,500	RGO	welded	FIXED	1940	78	70	na	na	na	na

Floating Roof Configuration: IFR - Internal Floating Roof

\* Represents typical product. Product may change as needed within permitted allowances.  
\*\* Actual inspection schedule may vary depending on operational needs and availability of inspectors within the inspection requirements as outlined in Rule 463(e)(3).

## **Attachment 1**

### **Safety Procedure 704.02**

### **“Permit – Required Confined Spaces”**

# VALERO WILMINGTON REFINERY

ISSUED BY: SAFETY AUTHOR: H. PINTO REVISED BY: H. Pinto AUTHORIZED BY: <i>David Sanders</i>	SAFE WORK PERMIT SYSTEM  PERMIT-REQUIRED CONFINED SPACES	PROCEDURE: 704.02 REVISION DATE: 9/10/10 REVISION: 15  PAGE: 1 OF 14
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## PURPOSE

To provide procedures for personal safety when entering confined spaces.

## SCOPE

This procedure applies to all employees, contractors and visitors working at the Valero Wilmington Refinery, Marine Terminal, Asphalt Plant and associated pipelines.

## REFERENCES

1. Fed-OSHA, 29CFR Part 1910, Sub Part 0, Section 146, Permit Required Confined Spaces.
2. California Code of Regulation (CCR), Title 8, Petroleum Safety Orders, Article 7, Section 6793 Enclosed and Confined Spaces and Article 108, Confined Spaces, Sections 5156-5159.
3. API Publication 2217, Guidelines for Confined Space Work in the Petroleum Industry.

## DEFINITIONS

1. **Confined Space Entry Permit** - A specific work permit that must be issued prior to authorizing entry into the confined space. The site copy must be posted at the most obvious ground level access. Green "**OK to Enter**" tags must be posted at all openings to be used for employee access and red "**Do Not Enter**" at all others.
2. **Entry** - When an entrant's body breaks the plane or opening into the space (e.g., breaking the plane with head and shoulders).

*Note: Breaking the plane with hands/arms for atmospheric monitoring or maneuvering equipment (e.g., hoses to vacuum catalyst) after equipment has been properly cleared and isolated is not considered a confined space entry.*

3. **Entry Supervisors** – A Valero (normally a Maintenance representative, NOT necessarily a Shift, or Craft Supervisor) and contractor employees who are in control of work activities and responsible for assuring that acceptable entry conditions are present in the space where work is being performed.
4. **Initial Entry**- The first entry into a confined space authorized by Operations, Entry Supervisor and Safety. *The "white" copy of the initial entry permit remains at the job site until a new permit is issued.* When unsure if an *initial* entry has been authorized, check the Master Hazardous Energy Control List for Safety authorization for initial entry.
5. **Permit Required Confined Space** - A space that has limited or restricted means of entry/exit and contains or has the potential to contain a hazardous atmosphere.

# VALERO WILMINGTON REFINERY

<b>ISSUED BY: SAFETY</b> <b>AUTHOR: H. PINTO</b> <b>REVISED BY: H. Pinto</b> <b>AUTHORIZED BY:</b> <i>David Sanders</i>	<b>SAFE WORK PERMIT SYSTEM</b>  <b>PERMIT-REQUIRED CONFINED SPACES</b>	<b>PROCEDURE: 704.02</b> <b>REVISION DATE: 9/10/10</b> <b>REVISION: 15</b>  <b>PAGE: 2 OF 14</b>
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6. **Subsequent Entry-** Entry into the permitted space after the *initial entry has been given*. Work Permit *only* requires Operations and Entry Supervisor(s) authorization. The “white” copy must be posted at job site.

## PERSONNEL REQUIREMENTS

### 1.0 Authorizing confined space entry permits:

- 1.1 **Initial Entry:** Authorized by a permit certified Unit Operator, a Valero Entry Supervisor and Safety.
- 1.1.1 If a contractor is involved, contract Supervisor shall assume *Entry Supervisor* responsibilities. After the coordinating Valero representative signs as the *Entry Supervisor* on the initial entry permit, he/she shall consign the entry permit and be held accountable for monitoring entry conditions and compliance with safe work practices.
- 1.1.2 Maintenance Supervisors, or Chiefs and LPI's must sign the Master Hazardous Energy Control List verifying confined space isolation prior to entry.
- 1.2 **Subsequent Entry Permits:** Authorized by Permit Certified Operators and another Valero representative.
- 1.2.1 If a Contractor is involved, the permit-certified Operator will be responsible for reviewing permit requirements and conditions with the contractor *Entry Supervisor*. After reviewing acceptable conditions and understanding of permit requirements, the Operator issuing the work permit shall ensure that Contract Supervisor/lead person who assumes Entry Supervisor duties, signs the *Entry Supervisor* space on the permit.
- 1.3 When multiple contractors are working within the same confined space, *Entry Supervisor* duties shall be performed by the permit certified coordinating Valero representative until those duties are transferred to the contract supervisors. If all contract work is under the direction of a General Contractor, a designated General Contractor supervisor shall sign the *Entry Supervisor* space on the permit and assume those duties for all contract employees working inside the permitted space. Work permit conditions, precautions and PPE requirements must be the same for all employees working in the confined space.

# VALERO WILMINGTON REFINERY

<b>ISSUED BY: SAFETY</b> <b>AUTHOR: H. PINTO</b> <b>REVISED BY: H. Pinto</b> <b>AUTHORIZED BY:</b> <i>David Sanders</i>	<b>SAFE WORK PERMIT SYSTEM</b>  <b>PERMIT-REQUIRED CONFINED SPACES</b>	<b>PROCEDURE: 704.02</b> <b>REVISION DATE: 9 10/10</b> <b>REVISION: 15</b>  <b>PAGE: 3 OF 14</b>
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## PERSONNEL RESPONSIBILITIES

### 1.0 Unit Operators:

- 1.1 Review and assure all isolation points are identified on Master Hazardous Energy Control List.
- 1.2 Isolate, drain and purge according to procedure. Chain lock and tag all valves that are primary isolation points and tagout all others for blinding.
- 1.3 Perform a job walk together with Maintenance personnel to identify isolation points for blinding and issue a work permit for blinding.
- 1.4 Ensure Maintenance Craft person and a Safety Representative verify that all energy sources have been isolated and initial the "Master Hazardous Energy Control List".
- 1.5 Conduct testing for acceptable entry conditions.
- 1.6 Prevent unauthorized entry by posting "**Do Not Enter**" signs on all non-entry openings.
- 1.7 Prepare the confined space work permit, review conditions and precautions with affected employees and obtain required signatures to authorize the work.
- 1.8 Conduct mid-shift testing to verify acceptable entry conditions are maintained.
- 1.9 Sign off Master Hazardous Energy Control List and work permit upon job completion.

### 2.0 Maintenance Craft Personnel:

- 2.1 Perform job walk with Operations to verify isolation points. Place lock and tag on Operation's chains for primary isolation point valves. Tags will be placed on valves isolated for blinding.
- 2.2 Obtain work permit and install blinds.
- 2.3 Initial Master Hazardous Energy Control List verifying blinds and tags have been installed.
- 2.4 Authorize confined space work permit by signing Craftsmen and Entry Supervisor spaces.
- 2.5 Comply with confined space work permit conditions.
- 2.6 Return work permit to Operations upon job completion.

### 3.0 Contract Personnel:

- 3.1 Contract employees performing confined space work activities at Valero must be trained and qualified to perform those duties in compliance with regulatory requirements and those of this procedure.
- 3.2 For maintenance work activities on atmospheric storage tanks, contract personnel must be aware of and comply with requirements of Safety Procedure 712.06 "Work Performed on Atmospheric Storage Tanks".
- 3.3 Contract employees performing safety watch/attendant duties must attend Valero's training program and be certified. All safety watches must have a dated hard hat sticker.

# VALERO WILMINGTON REFINERY

<b>ISSUED BY: SAFETY</b> <b>AUTHOR: H. PINTO</b> <b>REVISED BY: H. Pinto</b> <b>AUTHORIZED BY:</b> <i>David Sanders</i>	<b>SAFE WORK PERMIT SYSTEM</b>  <b>PERMIT-REQUIRED CONFINED SPACES</b>	<b>PROCEDURE: 704.02</b> <b>REVISION DATE: 9/10/10</b> <b>REVISION: 15</b>  <b>PAGE: 4 OF 14</b>
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3.4 Contractor "**Dual-permitting**" is encouraged for all confined space work activities. The final decision regarding disputed permit conditions (e.g., PPE requirements, levels of protection, etc.) will be agreed upon by both Valero Safety Department and the contractor.

## 4.0 **Authorized Entrant:**

- 4.1 Must know potential hazards and recognize signs, symptoms and consequences of exposure.
- 4.2 Maintain communication with safety watch and notify him/her if evacuation is required.

## 5.0 **Safety Watch:**

- 5.1 Must attend Valero's training and successfully pass exam. A dated hard hat sticker will be issued to all employees and must be updated annually.
- 5.2 Understand and recognize potential hazards and continuously maintain an accurate record of entrants in and out of the space.
- 5.3 Monitor activities inside and outside to determine if the space is safe.
- 5.4 Maintain effective continuous communication with entrants.
- 5.5 Order entrants to evacuate if prohibited conditions are observed.
- 6.6 In case of an emergency, summon rescue services by sounding an air horn and preventing any unauthorized personnel from entering the confined space.
- 6.7 Personnel performing safety watch functions at off site vaults must be equipped with a refinery radio to contact Valero Supervision.

## 6.0 **Entry Supervisor:**

- 6.1 Anticipate, recognize, and evaluate employee exposure to potential hazardous conditions in a confined space.
- 6.2 Act as resources for entrants and safety watches if questions or problems arise concerning confined space assignments.
- 6.3 Authorize the work permit.
- 7.4 Assure pre-entry briefing is conducted and all personnel understand work permit conditions and precautions.
- 6.5 Ensure safety attendant is qualified and knowledgeable regarding his responsibilities.

## 7.0 **Summoning Rescue Team:**

- 7.1 Rescue service - Valero Rescue Team has been designated to perform all confined space rescue operations. For inert atmospheres, specifically trained contract personnel with appropriate rescue equipment will be on-site for this purpose. For entries into IDLH environments the rescue team must be available immediately outside the space.

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7.1 Valero Wilmington Rescue team members shall be trained annually in the methods, PPE and the rescue equipment necessary for performing rescues in confined spaces.

## 8.2 In case of an emergency:

- 7.2.1 Safety Watch must not enter the space and must prevent unauthorized personnel from entering to attempt a rescue.
- 7.2.2 The Safety Watch must sound the air horn to notify refinery personnel of an emergency.
- 7.2.3 Area Operator must contact his LPT who will activate the emergency response plan.
- 7.2.4 Upon arriving at the site, the rescue team leader will determine what happened, how many people are involved and the need to summon outside medical assistance.

## PROCEDURE

*Warning: Continuous monitoring of the atmosphere of a confined space is not required; however, when the risk of a flammable atmosphere, toxic materials, oxygen deficiency or enrichment may exist, tests for flammable vapors and oxygen content should be taken continuously during the occupancy of a permit required confined space. A Safety department representative should be involved in all decisions involving continuous monitoring in permit required confined spaces.*

1.0 A confined space work permit or safety watch/attendant is NOT required for the following:

- 1.1 **Operations routine jobs** (e.g., opening/closing valves, gauging levels, visual checks) that do NOT exceed more than 10 minutes in Logistics valve vaults, the 58-V-23 sump, the 310 pit, all fixed and floating roof tanks (refer to procedure 712.06). Valero employees entering these spaces must:
  - 1.1.2 Always test the space's ambient atmosphere prior to entering.
  - 1.1.3 Contact his/her LPT and notify him/her that they are about to make entry. Continuous monitoring of ambient atmosphere must be conducted while the employee is in the space.
  - 1.1.4 Update his/her LPT at 5-minute intervals regarding their job status.
  - 1.1.5 Notify his/her LPT as soon as they are out of the space.
- 1.2 **Maintenance/Inspection routine work activities** in the 310 pit, exchanger shells, channel-head covers, and pipes (not coke drums) with unobstructed visibility on both ends, fin fan cages, electric vaults, Substation 7 basement, precipitator bins, and routine inspections (e.g., cathodic protection and visual inspections) of pipelines and/or valves at off site Logistics vaults. The following must be complied with prior to entering the above spaces:

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- 1.2.1 Craft personnel must obtain an appropriate general or routine work permit authorized by Operations to perform work inside the identified spaces.

*Exception: Maintenance activities in the 310 pit, 58-V-23 sump, and electrical vaults lasting longer than 10 minutes will require a confined space permit and a safety watch.*

- 1.2.2 Operations must always test the space's ambient atmosphere prior to entry. The need for continuous monitoring of the space should be evaluated.

- 2.0 All entries will require, at a minimum, atmospheric testing of the space to be entered for oxygen and flammable gas concentrations.

*Warning: If entry is required to complete atmospheric testing, the space should be treated as if it were IDLH and all necessary precautions taken.*

- 3.0 Atmosphere monitoring sequence is: Oxygen first, LEL is second, and Air Toxics last.

- 3.1 The need for other types of testing (e.g., benzene, ammonia, H<sub>2</sub>S) will be determined through MSDS's and process stream information related to the space to be entered.

- 4.0 Acceptable Entry Conditions (personal protective equipment NOT required):

- 4.1 Oxygen content is at least 19.5% but less than 23.5%.  
4.2 Flammable gas content (LEL) is 0%.  
4.3 Temperature inside a confine space is less than 100 ° F.

- 4.3.1 When temperature inside the space is equal to or greater than 100 ° F, a Wet Bulb Globe Temperature (WBGT) Thresholds reading must be obtained (refer to Appendix A)

- 4.4 H<sub>2</sub>S content is 0 ppm.  
4.4 Benzene content is 0 ppm.  
4.6 All other potential hazardous materials must be below the permissible exposure levels (caustics, acids, NH<sub>3</sub>, etc.).

*Note: Retesting of confined space atmosphere should be considered when initial tests are taken and work has not begun within 30 minutes.*

- 5.0 Personal protective equipment guidelines:

- 5.1 Air purifying half-face respirators for protection to exposures up to 10 times the Cal/OSHA Permissible Exposure Level (PEL) [e.g., Benzene levels up to 10 ppm].

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- 5.2 Supplied-air respiratory protection for exposures above 10 times the PEL (e.g., Benzene levels greater than 10 ppm).
- 5.3 Level A protection with SCBA for IDLH conditions.
- 5.4 Appropriate outer chemical protective clothing must be donned for protection against toxic, irritant, and corrosive substances that have the potential to cause harm through skin or eye contact (e.g., benzene, HF Acid).
- 5.5 Refer to Appendix B "Respirator Selection Guidelines".

## GENERAL REQUIREMENTS

- 1.0 Blinding closest to the vessel is the preferred method of isolation for confined space entries. Blinding at the nearest breakout flange and double block and bleeds are acceptable means of isolation for confined space entry under the following conditions:
  - 1.1 Associated pipelines, including dead legs between the isolation point and the confined space to be entered must be drained, cleared and/or chemically cleaned and verified free of hazards.
  - 1.2 Maintenance Supervisors and LPIs shall agree to the use of double block and bleeds in lieu of blinding.
  - 1.3 When double block and bleeds are used, isolation valves do NOT have to be adjacent to each other to satisfy this requirement; however, there must be confirmation of no pressure within the blocked section. In these cases, both valves must be chain locked by Operations and tagged by both Operations and Maintenance. Operators must ensure that bleeder valves are not plugged and are locked out with tie wrap and tagged in the open position. Continuous monitoring of the bleeder valve(s) is required for Hot Work.
- 2.0 When conditions inside the confined space require the use of supplied-air respiratory protection, there must be at least 2 persons in the confined space (buddy system). A safety meeting with all involved personnel must be held.
- 3.0 Forced ventilation may be required for some confined spaces and is required for all welding activities within the space. Approved, properly grounded air movers or blowers may be used. Open-ended air hoses are prohibited.
  - 3.1 The forced air ventilation should be so directed as to ventilate the immediate areas where personnel are or will be present within the space and shall continue until all employees have left the space.
  - 3.2 The air supply for the forced air ventilation should be from a clean source. Do not use plant air or instrument air for ventilation into a confined space. Air movers exhausting from the space may use plant or instrument air. When using combustion-engine-powered equipment near the confined space, precautions should be taken to prevent exhaust gases from entering the space.

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*NOTE: Plant air should not be taken inside a confined space for powering air tools, cleaning, ventilation, etc.*

- 4.0 A separate confined space permit is NOT required for entry into the confined space for inspection purposes. However, all personnel must sign as entrants on the active confined space permit and the safety watch must remain at the entrance until everyone exits the space.
- 5.0 Entry into Heater and Boiler Fireboxes for inspection, refractory or other repairs will require a confined space permit. All utility lines going into the heater box (fuel gas, steam, all denox connections) must be blinded prior to entry. Process lines do NOT have to be blinded unless work scope includes cutting or welding process tubes.
- 6.0 When entry into a confined space is through a vertical opening a Class III safety harness must be worn with a retrieval/safety line attached.
  - 6.1 If the retrieval line or harness causes a safety hazard due to entanglement, it may be disconnected with the approval of the Entry Supervisor. The Entry Supervisor must document authorization in the "Additional Safety Precautions" section of the work permit.
  - 6.2 Each authorized entrant should use a full body harness with a retrieval line attached. The other end of the retrieval line should be attached to a mechanical device or fixed point outside the permitted space.
- 7.0 At least one Valero certified Safety Watch must be outside the confined space and be capable of communicating with the workers inside. On larger jobs, several safety watches may be required. The Entry Supervisor is responsible to decide how many are required.
- 8.0 Portable electric lighting used in wet and/or other conductive locations (e.g., drums, tanks, vessels) shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter (GFCI). GFCI should be tested and in good working order prior to entry.
- 9.0 Excavations equaling or exceeding a depth of four (4) feet are designated as confined spaces. Entry must be permitted in accordance with Valero's Procedure 704.06 "Excavation Safety Standard" and requirements of this procedure.
- 10.0 **New Construction Activities**
  - 10.1 When deciding requirements for confined space work permits, all new equipment (vessels, columns, exchangers, etc.) placed inside an operating unit will be treated the same as existing equipment and must comply with the requirements of this procedure. For new equipment located in a lay-down area outside of an operating unit, any

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exceptions to the requirements of this procedure will require a written variance authorized by Safety and both an Operations and Maintenance Superintendent.

## 11.0 Hot Work

- 11.1 The "High Energy Hot Work" section of a confined space permit form, only applies to hot work activities which will be performed within the confined space. Any hot work or other work activities outside the confined space shall require separate hot work permits. Continuous atmospheric monitoring may be necessary for some activities such as welding.
- 11.2 When welding is suspended for any substantial period of time, such as during lunch or overnight, all electrodes should be removed from their holders and the welding machine should be disconnected from the power source.
- 11.3 When torch cutting or welding operations are suspended for a substantial period of time such as during lunch or overnight, where practicable, the torch and supply hose should be removed from the confined space. When it is not practical to remove the torch and supply hose, the supply hose should be disconnected from the supply source outside the confined space.
- 11.4 Precautions should be implemented that will ensure that potentially combustible material inside a confined space, such as residual material, scaffolding, etc., are shielded from hot work activities or are otherwise rendered non-combustible.
- 11.5 Precautions should be implemented that will provide adequate ventilation and respiratory protection for all workers in confined spaces when potential respiratory hazards may result from the type of hot work being performed. These hazards may include, but are not limited to:
  - 11.5.1 Particulates and dust
  - 11.5.2 Vapors and fumes from welding cutting operations
  - 11.5.3 Inert gases used in welding processes
- 11.6 All hot work inside a confined space involving welding, burning, grinding, should consider the following:
  - 11.6.1 A thorough review of the ventilation plan to ensure there is sufficient air flow across the employees breathing zones to allow work to proceed or provide air supplied respirators.
  - 11.6.2 Evaluation of continuous monitoring inside the confined space whenever work activities involve welding.
- 11.7 For hot work activities performed on atmospheric storage tanks refer to Safety Procedure 712.06 "Work Performed on Atmospheric Storage Tanks" for specific requirements.

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## 12.0 Cooling Tower Entry

- 12.1 Operators will shut down and block in all chemical additions before entry.
- 12.2 Operators will conduct testing to verify that acceptable entry conditions exist and record conditions on the confined space permit.
- 12.3 Personnel entering Cooling Towers must wear full chemical resistant coveralls, air purifying respirators with High Efficiency Particulate Air filters (HEPA), boots and gloves. Face shields are recommended if safety glasses and goggles create a fogging hazard. Other requirements include:

## 13.0 Tank Entry

- 13.1 For specific requirements regarding "Work Performed On Atmospheric Storage Tanks" and "Clearing, Entering and Cleaning Tanks", refer to procedures 712.06 and 712.07 respectively.
- 13.2 Entry onto the roof of an internal floating roof tank for other than non routine Operations work will always require a Confined Space Entry Permit and all entry precautions must be exercised. For vertical ladder entries greater than 20 feet, the use of a Ladder Safety System will be required. The Ladder Safety System must always be used for all entries requiring the use of an SCBA.
- 13.3 The following general rules should be considered any time personnel go onto a floating or fixed roof of a tank. This includes gauging, inspecting, and maintenance work.
  - 13.3.1 Personnel going onto a floating roof should observe the roof for signs of damage, unevenness, and hydrocarbons or water floating on the top of the roof. Any of these conditions is cause to vacate the roof and notify supervision.
  - 13.3.2 When possible, roof access for maintenance and inspection purposes should be done during day light hours and when the tank is not being worked (pumped into or out of, or when the floating roof is sitting on its legs).
  - 13.3.3 Every effort should be made to prevent sparks, heat, or static electricity when on a floating roof. Only explosion proof and/or intrinsically safe electrical devices should be use. Nylon rope should not be used for sampling (sliving due to static buildup).
  - 13.3.4 Tanks containing benzene or benzene-contaminated products may require the use of an approved respirator when accessing a floating roof.
- 13.4 Refer to S&H Procedure 712.06 for general maintenance work rules when replacing or repairing a tank seal.

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## 14.0 **Inert Atmosphere Entry**

Only qualified contract personnel can make confined Space Entry into inert atmospheres. Contract Company must supply Valero Safety with written procedures for entry and a rescue plan. Special respiratory protection precautions for "*Immediately Dangerous to Life and Health*" (IDLH) atmospheres, as noted in Procedure 703.06 will apply. In addition, the following conditions must be adhered to:

- 14.1 Oxygen content in the space must be 4% or less at several locations and elevations in the space.
- 14.2 Combustible gas levels must be less than 1% LEL within three feet outside of entry point.
- 14.3 Combustible levels inside the space must be less than 10% LEL using a 1 to 1 diluter.
- 14.4 If contact with liquid containing Benzene is expected in the space, the entrant must wear appropriate protective clothing as outlined in 706.01.
- 14.5 The qualified contractor shall provide rescue services.
- 14.6 A mechanical means of retrieval shall be utilized. Employees entering the space must be attached to the retrieval system, unless Valero safety approves removal due to entanglement.

## 15.0 **Continuous Emissions Monitoring System (CEMS)**

When confined space work is to be performed inside a heater, boiler, or stack that utilizes a CEMS, the following conditions must be adhered to:

- 15.1 Each CEMS must pass calibration once a day and remain operating at all times. Therefore, even while the emission source is down, a daily calibration must be conducted and the Hazardous Energy Control List (HECL) shall not require isolation of the CEMS calibration gas bottle valves. This will allow the CEMS to perform its daily auto calibration (05:30 am) and provide continuous valid data as required by the South Coast Air Quality Management District (SCAQMD). The Entry Supervisor shall coordinate with the Analyzer Group to schedule the CEMS calibration during a time when no entrant will be in the confined space. This can be done at the normal scheduled auto calibration time (05:30 am), at shift change, or as required by activity in the confined space. Allow half-hour for calibration.
- 15.2 The Entry Supervisor shall ensure that no entrant is in the confined space during the half-hour needed to perform the calibration.
- 15.3 The Analyzer Technician shall initiate the calibration.
- 15.4 Following a successful calibration, the calibration cylinder gas valves shall be closed and tagged and the cylinders are disconnected from the piping/tubing entering the analyzer by the Analyzer Technician.

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*Exception: On the 41 and 61 CEMS, the calibration gas valves and instrument air valves for the blowback on the mass flow meters will be closed and tagged by the Analyzer Technician.*

- 15.5 The Entry Supervisor shall be notified by the Analyzer Technician that the calibration is complete and confirm that the cylinder valves are closed and tagged, and the cylinders are disconnected from the piping/tubing entering the analyzer prior to allowing entry into the confined space.
- 15.5 When the confined space work is complete:
  - 15.5.1 The Entry Supervisor shall notify the Analyzer Technician.
  - 15.6.2 The Analyzer Technician shall open the calibration gas cylinders and instrument air valves, allowing the CEMS to perform the necessary daily calibration even while the emission source is down.

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## APPENDIX A

### Heat Thresholds: Nomex (WBGT Temperature)

Work-Rest Regimen	Light	Moderate	Heavy
Continuous work	82.4° F	76.5° F	73.4° F
75% Work- 25% Rest each hour	83.5° F	78.8° F	75° F
50% Work- 50% Rest each hour	84.9° F	81.3° F	78.6° F
25% Work- 75% Rest each hour	86.4° F	84.4° F	82.4° F

### Heat Thresholds: Chemical Clothing (WBGT Temperature)

Work-Rest Regimen	Light	Moderate	Heavy
Continuous work	75.2° F	69.3° F	66.2° F
75% Work- 25% Rest each hour	76.3° F	71.6° F	67.8° F
50% Work- 50% Rest each hour	77.7° F	74.1° F	71.4° F
25% Work- 75% Rest each hour	79.2° F	77.2° F	75.2° F

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## APPENDIX B

### RESPIRATOR SELECTION TABLE

Hazardous Material	PEL	Odor Detection	Half-mask		Full-face		Supplied Air Concentration
			Concentration	Model	Concentration	Model	
Ammonia	25 ppm	5 ppm	< 25 ppm	6004 or 5X04	≤ 500 ppm	642AM	>500 ppm
Benzene	1 ppm	5 ppm	≤ 10 ppm	6003 or 5X03	> 10 ppm	Not Allowed	> 10 ppm
Catalyst Dust	Note 1	N/A	≤ 10 times the PEL	2091	≤ 50 times the PEL	642H	> 50 x PEL
Petroleum Coke	3.5 mg/m3	N/A	≤ 35 mg/m3	2091	≤ 175 mg/m3	642H	> 175 mg/m3
Welding	Note 1	N/A	≤ 10 times the PEL	2091	≤ 50 x PEL	642H	> 50 x PEL
Hydrogen Sulfide	10 ppm	0.13 ppm	> 10 ppm	Not Allowed	>10 ppm	Not Allowed	> 10 ppm
Hydrogen Fluoride	3 ppm	0.12	As precaution only!	6003 with 2026	> 3 ppm	Not Allowed	> 3 ppm
Refractory Fiber	Note 1	N/A	≤ 10 times the PEL	2091	≤ 50 times the PEL	642H	> 50 x PEL
Sulfur Dioxide	2 ppm	5 ppm	≤ 20 ppm	6003 or 5X03	≤ 50 ppm	642OA	> 50 ppm

**Note 1:** Contact the Health and Safety Department to determine the specific exposure limits and respiratory protection requirements.

**Half Masks:**  
 2026: 3M filter for dust / mist / hydrogen fluoride  
 2091: 3M P100 filter for particulate  
 5X03: 3M air purifying respirator for organic vapor / acid gas / hydrogen fluoride  
 5X04: 3M air purifying respirator for ammonia / methylamine  
 6003: 3M cartridge for organic vapor / acid gas / hydrogen fluoride  
 6004: 3M cartridge for ammonia / methylamine

**Full Face:**  
 642AM: Scott cartridge for ammonia / methylamine for the Ovista facepiece  
 642H: Scott cartridge for particulate to be used with Ovista facepiece  
 642OA: Scott cartridge for organic vapor / acid gas for the Ovista facepiece.

**Supplied Air:**  
 Scott airline respirator operated in pressure demand mode with egress unit.  
 Scott SCBA operated in pressure demand mode.  
 Drager SCBA operated in pressure demand mode. (ERT only)  
 Drager airline pressure demand respirator with egress unit. (ERT only)