



South Coast Air Quality Management District



21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • <http://www.aqmd.gov>

July 31, 2014

Benjamin Martinez
District Operations Manager
Tesoro Logistics, Vinvale Terminal
8601 S. Garfield Ave.
South Gate, CA 90280

Subject: Tesoro Logistics, Vinvale Terminal (Facility ID No. 174710)
Title V Facility Permit Renewal

Dear Mr. Martinez:

Attached is your Title V Facility Permit renewal for Tesoro Logistics, Vinvale Terminal located at 8601 S. Garfield Ave., South Gate. The proposed Title V permit renewal was submitted to EPA for 45-day review on June 12, 2014, and a public notice was issued on June 17, 2014. No comments were received from EPA or the Public regarding the proposed renewal requested under application no. 556356.

This permit renewal also includes the approved plans:

SECTION I – PLANS AND SCHEDULES

Appl. No.	Action	Description
559837	Approved	Compliance Assurance Monitoring (CAM) Plan
553205	Approved	Rule 462 Continuous Monitoring System (CMS) Plan

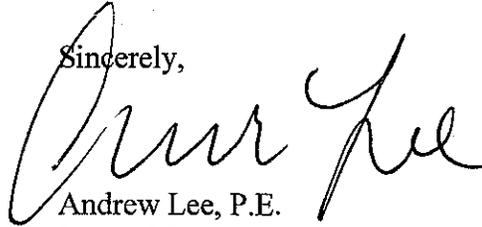
Additional administrative changes to the proposed Title V permit renewal, Section D are:

SECTION D - PERMIT TO OPERATE

Appl. No.	Action	Description	Permit No.
552761	Permit condition #5	<ul style="list-style-type: none"> Change 'COMBUSTION CHAMBER TEMPERATURE' to 'TEMPERATURE WITHIN THE EXHAUST STACK OF THE FLARE' Change 'ACCURACY OF WITHIN 1%' to 'ACCURACY WITHIN +/- 1% OR +/- 2.2 °C, WHICHEVER IS GREATER' Change 'ON AN ANNUAL BASIS' to 'ONCE A YEAR' 	G27784

Please review the permit carefully. The operation of your facility is bound by the conditions and/or requirements stated in the facility Permit to Operate. If you have any questions concerning the changes to your permit, or if you determine any administrative error, please contact Mr. Ken Matsuda at (909) 396-2656 or by email at kmatsuda@aqmd.gov, within 30 days of the receipt of your permit.

Sincerely,



Andrew Lee, P.E.
Senior Manager
Energy/ Public Services and Waste Management/
Terminals Permitting

AYL:CDT:KKM
Enclosure

cc: (w/ enclosure)
Geraldo Rios, EPA Region IX
Compliance
Central File
Title V Application File



FACILITY PERMIT TO OPERATE

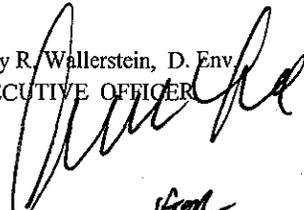
**TESORO LOGISTICS, VINVALE TERMINAL
8601 S GARFIELD AVE
SOUTH GATE, CA 90280**

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

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**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: TESORO LOGISTICS, VINVALE TERMINAL

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 8601 S GARFIELD AVE
SOUTH GATE, CA 90280-3709

MAILING ADDRESS: 8601 S GARFIELD AVE
SOUTH GATE, CA 90280

RESPONSIBLE OFFICIAL: BENJAMIN MARTINEZ

TITLE: DISTRICT OPERATIONS MANAGER

TELEPHONE NUMBER: (562) 806-4184

CONTACT PERSON: RUTHANNE WALKER

TITLE: ENVIRONMENTAL COORDINATOR

TELEPHONE NUMBER: (562) 806-4105

TITLE V PERMIT ISSUED: July 31, 2014

TITLE V PERMIT EXPIRATION DATE: July 30, 2019

TITLE V	RECLAIM
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YES	NOx:	NO
	SOx:	NO
	CYCLE:	2
	ZONE:	COASTAL



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**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 TESORO LOGISTICS, VINVALE TERMINAL

PERMITTED EQUIPMENT LIST

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

Application Number	Permit to Operate No.	Equipment Description	Page Number
552686	G27772	ICE (50-500 HP) EMERGENCY ELECT. GENERATOR (375BHP)	4
552687	G27773	ICE (50-500 HP) EMERGENCY ELECT. GENERATOR (155BHP)	5
552688	G27774	STORAGE TANK(#951) MISC ORGANIC MATERIALS	6
552689	G27775	BULK UNLOAD TANK TRUCK (1 RACK) GASOLINE	7
552690	G27776	STORAGE TANK(#940) DOMED EXT FL ROOF HYDROCARB	8
552754	G27777	BULK UNLOADING RACK ETHANOL	9
552755	G27778	STORAGE TANK(#941) DOMED EXT FL ROOF HYDROCARB	11
552756	G27779	STORAGE TANK(#930) DOMED EXT FL ROOF HYDROCARB	13
552757	G27780	STORAGE TANK(#934) DOMED EXT FL ROOF HYDROCARB	14
552758	G27781	STORAGE TANK(#933) DOMED EXT FL ROOF HYDROCARB	15
552759	G27782	STORAGE TANK(#931) DOMED EXT FL ROOF HYDROCARB	16
552760	G27783	STORAGE TANK(#950) MISC ORGANIC MATERIALS	18
552761	G27784	VAPOR RECOVERY(FLARE) SERVING BULK LOADING	19
553198	G27793	WASTE WATER TREATMENT >50,000 GPD	22
553199	G27794	VAPOR RECOVERY(CARBON #1) SERVING BULK LOADING	24
553200	G27795	VAPOR RECOVERY(CARBON #2) SERVING BULK LOADING	27
553201	G27796	STORAGE TANK(#943) DOMED EXT FL ROOF HYDROCARB	30
553202	G27797	STORAGE TANK(#942) DOMED EXT FL ROOF HYDROCARB	32
553203	G27798	STORAGE TANK(#932) DIESEL	34
553204	G28842	ICE (50-500 HP) EMERGENCY FIRE PUMP (205 BHP)	35
556617	G29582	BULK LOADING RACK(#1) GASOLINE	37
556618	G29583	BULK LOADING RACK(#2) GASOLINE	40
556619	G29584	BULK LOADING RACK(#3) GASOLINE	43
556620	G29585	BULK LOADING RACK(#4) GASOLINE	46
556621	G29586	BULK LOADING RACK(#5) GASOLINE	49
556622	G29588	BULK LOADING RACK(#6) GASOLINE & DIESEL	52
556623	G29587	BULK LOADING RACK(#7) DIESEL	53
556624	G29589	BULK LOADING RACK(#8) DIESEL	57

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
TESORO LOGISTICS, VINVALE 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 RINGLEMANN 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) THE FACILITY SHALL NOT USE DIESEL FUEL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
[RULE 431.2, RULE 1470]
- 3) THE OPERATOR SHALL LIMIT THE TOTAL COMBINED THROUGHPUT OF ALL MATERIALS FROM TANKS 930, 931, 932, 933, 934, 940, 941, 942, 943, 950 AND 951 TO NO MORE THAN 181,145,741 GALLONS IN ANY ONE CALENDAR MONTH. A FLOW MEASURING DEVICE, THAT MEASURES THE TOTAL THROUGHPUT FOR LOADING RACK NUMBERS 1, 2, 3, 4, 5, 6, 7, AND 8, SHALL RECORD THE TOTAL COMBINED LOADING THROUGHPUT OF ALL MATERIALS TO SHOW COMPLIANCE WITH THIS CONDITION. THROUGHPUT RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS IN A METHOD APPROVED BY THE SCAQMD.
[RULE 1303(b)(2) – OFFSETS, RULE 1313(g) – EMISSION LIMITATION]
- 4) THE OPERATOR OF THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF 40 CFR 63 SUBPART R.



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27772
A/N 552686**

Equipment Description:

EMERGENCY ELECTRICAL GENERATOR, DRIVEN BY A CUMMINS DIESEL INTERNAL COMBUSTION ENGINE, MODEL NO. NT855-G4, 6 CYLINDERS, TURBOCHARGED WITH AFTERCOOLER, 375 BHP.

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 INTERNAL COMBUSTION ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR, WHICH INCLUDE NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]
- 4) A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]
- 5) A WRITTEN LOG RECORDING THE DATE OF OPERATION, ELAPSED TIME IN HOURS, AND REASON FOR OPERATION SHALL BE KEPT ON FILE FOR THE MOST RECENT FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304(a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]

Periodic Monitoring: NONE

Emissions and Requirements:

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

PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)
PM: RULE 1470
HAP: 40CFR63 SUBPART ZZZZ



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27773
A/N 552687**

Equipment Description:

EMERGENCY ELECTRICAL GENERATOR DRIVEN BY A KOMATSU DIESEL INTERNAL COMBUSTION ENGINE, MODEL NO. S6D105-I, 6 CYLINDERS, TURBOCHARGED, 155 BHP.

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 INTERNAL COMBUSTION ENGINE SHALL NOT OPERATE MORE THAN 199 HOURS IN ANY ONE YEAR, WHICH INCLUDE NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304(a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]
- 4) A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304(a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]
- 5) A WRITTEN LOG RECORDING THE DATE OF OPERATION, ELAPSED TIME IN HOURS, AND REASON FOR OPERATION SHALL BE KEPT ON FILE FOR THE MOST RECENT FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1304(a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]

Periodic Monitoring:: NONE

Emissions and Requirements:

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

PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)
PM: RULE 1470
HAP: 40CFR63 SUBPART ZZZZ



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. G27774
A/N 552688**

Equipment Description:

STORAGE TANK NO. 951, FIXED ROOF, ABOVEGROUND, 11'- 0" DIA. X 17' -6" H., 12,000 GALLONS CAPACITY.

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 TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 1.5 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, RULE 1303(b)(2) OFFSETS, RULE 1313(g)]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements: NONE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27775
A/N 552689**

Equipment Description:

TANK TRUCK UNLOADING RACK CONSISTING OF:

1. UNLOADING ARM, WITH HOSE CONNECTION AND A 4" CAM LOCK PUMP BACK CONNECTION AND A 3" CAM LOCK VAPOR RECOVERY SYSTEM CONNECTION.
2. UNLOADING PUMP, 125 GPM, WITH TANDEM MECHANICAL SEALS AND A 25 HP MOTOR, VENTED TO A VAPOR RECOVERY SYSTEM.
3. STRAINER WITH AIR ELIMINATOR VENTED TO VAPOR RECOVERY SYSTEM.

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 NOT BE OPERATED UNLESS THE VAPOR RETURN LINE AND THE TRANSFER PUMP SEALS ARE VENTED TO AN AIR POLLUTION CONTROL DEVICE WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER. FOR THE PURPOSE OF THIS CONDITION, "FULL USE" SHALL MEAN THAT AT LEAST ONE OF THE VAPOR HOLDING TANKS IN THE "VAPOR COLLECTION SYSTEM" IS IN FULL OPERATION.
[RULE 1303(a)(1) - BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27776
A/N 552690**

Equipment Description:

STORAGE TANK NO. 940, DOMED EXTERNAL FLOATING ROOF, 144'-0" DIA. X 46'-0" H., 134,000 BBL CAPACITY, RIVETED SHELL.

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 TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, RULE 1313(g)]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]
- 5) THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL ROOF SHALL NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

HAP/TOC: 40CFR63 SUBPART R
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

Permit No. G27777
A/N 552754

Equipment Description:

BULK ETHANOL UNLOADING RACK CONSISTING OF TWO UNLOADING STATIONS, EACH WITH A FOUR INCH DIAMETER DRY BREAK COUPLER, AND TWO 25 HP ETHANOL TRANSFER PUMPS WITH DRY RUNNING TANDEM MECHANICAL SEALS.

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) OPERATION, INSPECTION, AND MAINTENANCE OF RACK COMPONENTS SHALL BE CONDUCTED ACCORDING TO THE REQUIREMENTS LISTED BELOW:
 - A. ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE EXCEPT VALVES AND FLANGES SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
 - B. FOR ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, ANY LEAK GREATER THAN 500 PPM ABOVE BACKGROUND, MEASURED AS METHANE USING EPA METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER.
 - C. IF 98 PERCENT OR MORE OF THE NEW VALVES (NON-BELLOWS-SEALED) AND FLANGES ARE FOUND TO BE LEAK FREE (LESS THAN 500 PPM FOR TWO CONSECUTIVE MONTHS), THE OPERATOR MAY ELECT TO IMPLEMENT A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
 - D. THE OPERATOR SHALL KEEP RECORDS OF THE REQUIRED LEAK, SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT.
[RULE 1303(a)(1) - BACT]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

Emissions and Requirements:

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

VOC RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27778
A/N 552755**

Equipment Description:

STORAGE TANK NO. 941, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 144'-0" DIA. X 48'-0" H., 138,095 BBL. CAPACITY, RIVETED SHELL, WITH A 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) FOR RULE 463 APPLICABILITY, ONLY SUBDIVISION (D) IN THE MARCH 11, 1994 AMENDMENT, OR EQUIVALENT REQUIREMENTS IN THE FUTURE AMENDMENTS, SHALL APPLY TO DOMED EXTERNAL FLOATING ROOF TANKS. THIS DOES NOT PRECLUDE ANY REQUIREMENTS SPECIFIED IN RULE 1178.
[RULE 463]
- 4) THIS TANK SHALL NOT BE USED FOR STORING PURE ORGANIC COMPOUNDS.
[RULE 204]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTHS INTERVALS. THE HYDROCARBON CONCENTRATION BEING MONITORED SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]



**FACILITY PERMIT TO OPERATE
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- 7) THE OPERATOR SHALL KEEP RECORDS. IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. MEASUREMENTS OF HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK AS DESCRIBED IN CONDITION NO. 5.
 - B. OTHER RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE APPLICABLE SECTIONS OF DISTRICT RULES 463, AND 1178.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AN SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 40CFR63 SUBPART R
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27779
A/N 552756**

Equipment Description:

STORAGE TANK NO. 930, DOMED EXTERNAL FLOATING ROOF, PONTOON TYPE, 117'- 9" DIA. X 42' 0" H., 3,425,000 GALLONS CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL & A 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 DOES NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS.
[RULE 463, RULE 1178]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS, HYDROCARBON CONCENTRATION MEASUREMENTS OF THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK, AND OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463 AND 1178.
[RULE 463, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

HAP/TOC: 40CFR63 SUBPART R
VOC RULE 463
VOC RULE 1149
VOC RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27780
A/N 552757**

Equipment Description:

STORAGE TANK NO. 934, DOMED EXTERNAL FLOATING ROOF, 144'-0" DIA. X 48' 0" H., 5,850,000 GALLONS CAPACITY, RIVETED SHELL, PONTOON FLOATING ROOF, WITH A MECHANICAL SHOE TYPE PRIMARY SEAL & 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 DOES NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS.
[RULE 463, RULE 1178]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS, HYDROCARBON CONCENTRATION MEASUREMENTS OF THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK, AND OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463 AND 1178.
[RULE 463, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

HAP/TOC: 40CFR63 SUBPART R
VOC RULE 463
VOC RULE 1149
VOC RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27781
A/N 552758**

Equipment Description:

STORAGE TANK NO. 933, DOMED EXTERNAL FLOATING ROOF, 144' -0" DIA. X 46' -0" H, 132,000 BARRELS CAPACITY, RIVETED SHELL, DOUBLE DECK FLOATING ROOF, WITH A MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM-MOUNTED, 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 DOES NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS.
[RULE 463, RULE 1178]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS, HYDROCARBON CONCENTRATION MEASUREMENTS OF THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK, AND OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463 AND 1178.
[RULE 463, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

HAP/TOC:	40CFR63 SUBPART R
VOC	RULE 463
VOC	RULE 1149
VOC	RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC	RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27782
A/N 552759**

Equipment Description:

STORAGE TANK NO. 931, DOMED EXTERNAL FLOATING ROOF, PONTOON TYPE, 117' 9-3/5" DIA. X 42' 0" H., 3,425,000 GALLONS CAPACITY, RIVETED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL AND A RIM-MOUNTED WIPER-TYPE SECONDARY SEAL.

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) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A REID VAPOR PRESSURE EXCEEDING RVP 13.5.
[RULE 1303(b)(2) – OFFSETS, RULE 1313(g)]
- 4) THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED DOES NOT EXCEED 30 PERCENT OF ITS LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTHS INTERVALS.
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE.
[RULE 463, RULE 1149, RULE 1173, RULE 1178, RULE 1303(b)(2) – OFFSETS, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

Emissions and Requirements:

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

HAP/TOC: 40CFR 63 SUBPART R
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27783
A/N 552760**

Equipment Description:

STORAGE TANK NO. 950, FIXED ROOF, ABOVEGROUND, 11'-0"DIA. X 35'-0"H, 24,000 GALLONS CAPACITY, FOR PROPRIETARY ADDITIVE.

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 NOT USE THIS EQUIPMENT WITH MATERIALS HAVING A TRUE VAPOR PRESSURE OF 0.1 PSIA OR GREATER UNDER ACTUAL OPERATING CONDITIONS. WHENEVER THERE IS A CHANGE IN MATERIAL STORED, THE OPERATOR SHALL EITHER DETERMINE THE TRUE VAPOR PRESSURE OF THE MATERIAL THROUGH TESTING, OR MAINTAIN ON FILE THE MATERIAL SAFETY DATA SHEET FOR THE NEW MATERIAL. THE TRUE VAPOR PRESSURE SHALL BE DETERMINED FROM THE REID VAPOR PRESSURE, MEASURED ACCORDING TO ASTM D-323, AND NOMOGRAPHS IN EPA AP-42, OR DISTRICT OR EPA APPROVED NOMOGRAPHS, OR EQUIVALENT TEST METHOD.
[RULE 1303(b)(2)-OFFSETS, RULE 1313(g)]
- 4) THE OPERATOR SHALL KEEP RECORDS OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS, IN A MANNER APPROVED BY THE DISTRICT.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements: NONE



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TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27784
A/N 552761**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM SERVING AN EIGHT RACK GASOLINE BULK LOADING FACILITY, STANDBY UNIT, CONSISTING OF:

1. FLARE, ENCLOSED TYPE, JOHN ZINK, MODEL ZCT-3, 10' DIA. X 45' H., NATURAL GAS FIRED, 100 MMBTU/HR, WITH A TWO STAGE BURNER, 1200 SCFM MAXIMUM FLOW RATE, AN AIR-ASSISTED 5 HP BLOWER, AND A DETONATION FLAME ARRESTOR.

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) A DAILY OPERATIONAL LOG FOR THE FACILITY SHALL BE MAINTAINED.
[RULE 462]
- 4) THE DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION AT THIS FACILITY SHALL BE VENTED TO:
 - A. A FLARE AIR POLLUTION CONTROL SYSTEM, PERMITTED UNDER A/N 552761 OR SUBSEQUENT, AND/OR;
 - B. ADSORPTION/ABSORPTION VAPOR RECOVERY UNITS, PERMITTED UNDER A/N 553199 AND 553200 OR SUBSEQUENT.
[RULE 462, 40CFR 63 SUBPART R]
- 5) THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:
 - A. THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE FLARE SHALL BE MAINTAINED AT A MINIMUM OF 400 DEGREES FAHRENHEIT (ON A 15-MINUTE AVERAGE) WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION, EXCEPT FOR PERIODS OF START-UP AND SHUTDOWN. START-UP IS DEFINED AS THE PERIOD FROM IGNITION TO THE TIME WHEN 400 DEGREES FAHRENHEIT IS ACHIEVED, NOT TO EXCEED 30 MINUTES. SHUTDOWN IS DEFINED AS THE PERIOD FROM WHEN THE VAPOR VALVE BEGINS TO SHUT AND IS COMPLETELY CLOSED SHUT, NOT TO EXCEED 30 MINUTES.



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- B. THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE FLARE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN +/- 1% OR +/- 2.2°C, WHICHEVER IS GREATER, OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON ONCE A YEAR IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.
- C. FOR THE PURPOSE OF THIS CONDITION, AN EXCEEDANCE SHALL BE DEFINED AS WHEN A TEMPERATURE OF LESS THAN 400 DEGREES FAHRENHEIT OCCURS WITHIN THE EXHAUST STACK OF THE FLARE DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE FLARE ON A DAILY BASIS TO DETERMINE IF AN EXCEEDANCE OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN AN EXCEEDANCE OCCURS.
- D. WHENEVER AN EXCEEDANCE OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH AN EXCEEDANCE, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE FLARE AT OR ABOVE 400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE EXCEEDANCE AND THE CORRECTIVE ACTION TAKEN.
- E. ALL EXCEEDANCES SHALL BE REPORTED TO THE AQMD ON A SEMI-ANNUAL BASIS PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE SEMI-ANNUAL MONITORING REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL EXCEEDANCES FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.
- F. THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF EXCEEDANCES EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.
- G. THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- H. THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.

[RULE 462, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSETS, RULE 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]



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- 6) ALL PRESSURE RELIEF VALVES OF THIS AIR POLLUTION CONTROL SYSTEM SHALL HAVE A RELIEF PRESSURE ABOVE 18 INCHES OF WATER COLUMN. ALL PRESSURE RELIEF VALVES SHALL BE TAGGED AND ACCESSIBLE FOR INSPECTION.
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL KEEP RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. ALL RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.
[RULE 1303(a)(1) - BACT, RULE 1303(b)(2) - OFFSETS]

Periodic Monitoring:

- 8) THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
 - A. THE TEST SHALL BE CONDUCTED TO DETERMINE THE BULK LOADING RATE IN GALLONS PER HOUR DURING THE SOURCE TEST.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSION RATE IN POUNDS PER 1,000 GALLONS OF ORGANIC LIQUIDS LOADED.
 - C. THE TEST SHALL BE CONDUCTED PERIODICALLY AT SIXTY MONTH INTERVALS.
[RULE 3004(a)(4) - PERIODIC MONITORING]

Emissions and Requirements:

- 9) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08LB/1000 GALLONS OF LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
CO: 2000 PPMV, RULE 407
PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)
PM: 0.1 GR/SCF, RULE 409



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27793
A/N 553198**

Equipment Description:

WASTEWATER TREATMENT SYSTEM CONSISTING OF:

1. CLOSED TOP SUMP TANK NO. T-903, 15'-0.5"L X 8'-0"DIA., 4,000 GAL. CAPACITY, WITH ONE 25 HP SUBMERSIBLE LIFT PUMP.
2. LIFT STATION (VAULT), WITH ONE 25 HP SUBMERSIBLE LIFT PUMP.
3. OIL-WATER SEPARATION TANK NO. T-918, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 50'-0"DIA. X 30'-0"L., 10,000 BBLs CAPACITY, RIVETED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL, A RIM-MOUNTED WIPER-TYPE SECONDARY SEAL, AND FLOATING OIL SUCTION.
4. TWO OIL PUMPS, MP-918A - 10 HP, AND MP-918B - 7.5 HP.
5. OIL-WATER SEPARATOR, GREAT LAKES ENVIRONMENTAL, INC., MODEL CGD-CR-400, CLOSED TOP CYLINDRICAL GRAVITY DISPLACEMENT TYPE, 6' DIA. X 27.5' L., 400 GPM., WITH A 5 HP OIL PUMP, A 5 HP WATER PUMP, A 3-INCH BREATHER VALVE, AND VENTED TO VAPOR RECOVERY SYSTEM.
6. TWO CARBON ADSORBERS NOS. V-1 & V-2, LIQUID PHASE, SKID MOUNTED, EACH CONTAINING 10,000 LBS. OF ACTIVATED CARBON.
7. TREATED WATER TANK NO. T-952, 16,000 GAL. CAPACITY.

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) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE OIL-WATER SEPARATOR IS COVERED AND VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL OPERATION AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE DISTRICT.
[RULE 464, RULE 1303(a)(1)-BACT]



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- 4) THE BREATHER VALVE ON THE OIL-WATER SEPARATOR SHALL HAVE A RELIEF SET PRESSURE NOT LESS THAN + 5" WC.
[RULE 1303(a)(1)-BACT]
- 5) THE OPERATOR SHALL LIMIT THE THROUGHPUT FROM THIS WASTEWATER TREATMENT SYSTEM TO NO MORE THAN 2,100,000 GALLONS IN ANY ONE MONTH. TRUCK LOADING RECORDS AND/OR RECORDS OF THE VOLUME DISCHARGED TO THE SEWER CONNECTION SHALL BE RECORDED TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1303(b)(2)-OFFSETS, RULE 1313(g)]
- 6) THIS WASTEWATER TREATMENT SYSTEM SHALL NOT BE USED FOR PROCESSING WASTEWATER CONTAMINATED WITH ORGANIC LIQUIDS HAVING A REID VAPOR PRESSURE EXCEEDING RVP 13.5.
[RULE 1303(b)(2)-OFFSETS, RULE 1313(g)]
- 7) THE OPERATOR SHALL USE TANK 918 IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED DOES NOT EXCEED 30 PERCENT OF ITS LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTHS INTERVALS.
[RULE 463, RULE 1178]
- 8) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE.
[RULE 204]

Periodic Monitoring: NONE

Emissions and Requirements:

- 9) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 464
VOC: RULE 1149
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC: RULE 1178



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TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27794
A/N 553199**

Equipment Description:

VAPOR RECOVERY SYSTEM SERVING EIGHT LOADING RACKS, VRU NO. 1, SUPPLIED BY JOHN ZINK (MODEL NO. S3-AAW-6HS-110-80-8), WITH:

1. TWO CARBON ADSORBERS, EACH 11'-0" DIA. X 8'-0" H., EACH WITH 15,000 LBS OF ACTIVATED CARBON, OPERATING ON 15 MINUTE CYCLES.
2. GASOLINE ABSORPTION TOWER, 3'-0" DIA. TOP WITH 4'-0" DIA. BOTTOM X 25'-0" H.
3. GLYCOL SEPARATOR, 4'-0" DIA. X 8'-0" H., 750 GALLONS.
4. TWO LIQUID RING VACUUM PUMPS, EACH 990 CFM, WITH A 100 HP MOTOR.
5. SUPPLY SPONGE GASOLINE PUMP, 300 GPM, WITH A 15 HP MOTOR.
6. RETURN SPONGE GASOLINE PUMP, 300 GPM, WITH A 15 HP MOTOR.
7. TWO SEAL FLUID GLYCOL PUMPS, EACH WITH A 2 HP MOTOR.
8. SHELL AND TUBE HEAT EXCHANGER, GLYCOL COOLER.

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 DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION AT THIS FACILITY SHALL BE VENTED TO:
 - A. A FLARE AIR POLLUTION CONTROL SYSTEM, PERMITTED UNDER A/N 552761 OR SUBSEQUENT, AND/OR;
 - B. ADSORPTION/ABSORPTION VAPOR RECOVERY UNITS (VRU NO.1 AND VRU NO. 2), PERMITTED UNDER A/N 553199 AND 553200 OR SUBSEQUENT.
[RULE 462, RULE 1303(a)(1) - BACT, 40CFR 63 SUBPART R]



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- 4) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH DEVICES COVERED BY THIS APPLICATION.
- A. ALL NEW VALVES IN VOC SERVICE SHALL BE BELLOWS SEAL VALVES, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEM IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE. ADDITIONAL EXCEPTIONS ARE STATED IN DISTRICT RULE 1173(L)(1).
 - B. ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT VALVES AND FLANGES SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA METHOD 21. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-BELLOWS-SEALED) VALVE AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPM FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR SHALL REVERT TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
 - C. FOR ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, ANY LEAK GREATER THAN 500 PPM MEASURED AS METHANE ABOVE BACKGROUND AS MEASURED USING EPA METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER.
 - D. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (AND QUARTERLY, WHERE APPLICABLE), SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT.
[RULE 1303(a)(1) - BACT]
- 5) THE OPERATOR SHALL INSTALL AND MAINTAIN A CONTINUOUS EMISSIONS MONITORING DEVICE TO ACCURATELY INDICATE THE VOC CONCENTRATION AT THE OUTLET OF THE CARBON ADSORBERS IN PPMV. THE EMISSIONS MONITORING DEVICE SHALL BE CALIBRATED DAILY.
[RULE 462, 40CFR 63 SUBPART R, RULE 3004(a)(4) – PERIODIC MONITORING]
- 6) THE VOC CONCENTRATION AT THE OUTLET OF THE OUTLET OF THE CARBON ADSORBERS, MEASURED BY THE CMS, SHALL NOT EXCEED 1.90 PERCENT BY VOLUME, AS PROPANE, ON AN INSTANTANEOUS BASIS, AND SHALL NOT EXCEED 0.39 PERCENT BY VOLUME, AS PROPANE, BASED ON A ROLLING 15 MINUTE AVERAGE.
[RULE 462, 40CFR 63 SUBPART R, RULE 3004(a)(4) – PERIODIC MONITORING]



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- 7) THE OPERATOR SHALL INSTALL AND MAINTAIN A VISIBLE AND AUDIBLE ALARM SERVING THE CMS, WHICH SHALL:
 - A. ALERT THE OPERATOR TO PREVENT HYDROCARBON BREAKTHROUGH. THE ALARM WILL BE SET TO ACTIVATE AT 80% OF THE INSTANTANEOUS LIMIT (1.52% BY VOLUME, AS PROPANE).
[RULE 462, 40CFR 63 SUBPART R]
- 8) THE OPERATOR SHALL SHUT DOWN THE LOADING RACKS WHEN THE 1.9 PERCENT LIMIT IS REACHED.
[RULE 462, 40CFR 63 SUBPART R]
- 9) RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.
[RULE 462]

Periodic Monitoring:

- 10) THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
 - A. THE TEST SHALL BE CONDUCTED TO DETERMINE THE BULK LOADING RATE IN GALLONS PER HOUR DURING THE SOURCE TEST.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSION RATE IN POUNDS PER 1,000 GALLONS OF ORGANIC LIQUIDS LOADED.
 - C. THE TEST SHALL BE CONDUCTED PERIODICALLY AT SIXTY MONTH INTERVALS.
[RULE 3004(a)(4) – PERIODIC MONITORING]

Emissions and Requirements:

- 11) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27795
A/N 553200**

Equipment Description:

VAPOR RECOVERY SYSTEM SERVING EIGHT LOADING RACKS, VRU NO. 2, SUPPLIED BY JOHN ZINK (MODEL NO. S3-AAW-6HS-110-80-8):

1. TWO CARBON ADSORBERS, EACH 11'-0" DIA. X 8'-0" H., EACH WITH 15,000 LBS OF ACTIVATED CARBON, OPERATING ON 15 MINUTE CYCLES
2. GASOLINE ABSORPTION TOWER, 3'-0" DIA. TOP WITH 4'-0" DIA. BOTTOM X 25'-0" H.
3. GLYCOL SEPARATOR, 4'-0" DIA. X 8'-0" H., 750 GALLONS.
4. TWO LIQUID RING VACUUM PUMPS, EACH 990 CFM, WITH A 100 HP MOTOR.
5. SUPPLY SPONGE GASOLINE PUMP, 300 GPM, WITH A 15 HP MOTOR.
6. RETURN SPONGE GASOLINE PUMP, 300 GPM, WITH A 15 HP MOTOR.
7. TWO SEAL FLUID GLYCOL PUMPS, EACH WITH A 2 HP MOTOR.
8. SHELL AND TUBE HEAT EXCHANGER, GLYCOL COOLER.

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 DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION AT THIS FACILITY SHALL BE VENTED TO:
 - A. A FLARE AIR POLLUTION CONTROL SYSTEM, PERMITTED UNDER A/N 552761 OR SUBSEQUENT, AND/OR;
 - B. ADSORPTION/ABSORPTION VAPOR RECOVERY UNITS (VRU NO.1 AND VRU NO. 2), PERMITTED UNDER A/N 553199 AND 553200 OR SUBSEQUENT.
[RULE 462, RULE 1303(a)(1) - BACT, 40CFR 63 SUBPART R]



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- 4) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH DEVICES COVERED BY THIS APPLICATION.
- A. ALL NEW VALVES IN VOC SERVICE SHALL BE BELLOWS SEAL VALVES, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEM IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE. ADDITIONAL EXCEPTIONS ARE STATED IN DISTRICT RULE 1173(L)(1).
 - B. ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT VALVES AND FLANGES SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA METHOD 21. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-BELLOWS-SEALED) VALVE AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPM FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR SHALL REVERT TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
 - C. FOR ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE, ANY LEAK GREATER THAN 500 PPM MEASURED AS METHANE ABOVE BACKGROUND AS MEASURED USING EPA METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER.
 - D. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (AND QUARTERLY, WHERE APPLICABLE), SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT.
[RULE 1303(a)(1) - BACT]
- 5) THE OPERATOR SHALL INSTALL AND MAINTAIN A CONTINUOUS EMISSIONS MONITORING DEVICE TO ACCURATELY INDICATE THE VOC CONCENTRATION AT THE OUTLET OF THE CARBON ADSORBERS IN PERCENT PROPANE, AND, IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE RULE 462 P[LAN APPLICATION (A/N 553205, OR SUBSEQUENT). THE EMISSIONS MONITORING DEVICE SHALL BE CALIBRATED DAILY.
[RULE 462, 40CFR 63 SUBPART R, RULE 3004(a)(4) – PERIODIC MONITORING]
- 6) THE VOC CONCENTRATION AT THE OUTLET OF THE OUTLET OF THE CARBON ADSORBERS, MEASURED BY THE CMS, SHALL NOT EXCEED 1.90 PERCENT BY VOLUME, AS PROPANE, ON AN INSTANTANEOUS BASIS, AND SHALL NOT EXCEED 0.39 PERCENT BY VOLUME, AS PROPANE, BASED ON A ROLLING 15 MINUTE AVERAGE.
[RULE 462, 40CFR 63 SUBPART R, RULE 3004(a)(4) – PERIODIC MONITORING]



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- 7) THE OPERATOR SHALL INSTALL AND MAINTAIN A VISIBLE AND AUDIBLE ALARM SERVING THE CMS, WHICH SHALL:
- A. ALERT THE OPERATOR TO PREVENT HYDROCARBON BREAKTHROUGH. THE ALARM WILL BE SET TO ACTIVATE AT 80% OF THE INSTANTANEOUS LIMIT (1.52% BY VOLUME, AS PROPANE).
[RULE 462, 40CFR 63 SUBPART R]
- 8) THE OPERATOR SHALL SHUT DOWN THE LOADING RACKS WHEN THE 1.9 PERCENT LIMIT IS REACHED.
[RULE 462, 40CFR 63 SUBPART R]
- 9) RECORDS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.
[RULE 462]

Periodic Monitoring:

- 10) THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED TO DETERMINE THE BULK LOADING RATE IN GALLONS PER HOUR DURING THE SOURCE TEST.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSION RATE IN POUNDS PER 1,000 GALLONS OF ORGANIC LIQUIDS LOADED.
 - C. THE TEST SHALL BE CONDUCTED PERIODICALLY AT SIXTY MONTH INTERVALS.
[RULE 3004(a)(4) – PERIODIC MONITORING]

Emissions and Requirements:

- 11) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. G27796
A/N 553201**

Equipment Description:

STORAGE TANK NO. 943, DOMED EXTERNAL FLOATING ROOF TANK, DOUBLE DECK TYPE, 144'-0" DIA. X 46'-0" H., 133,452 BBL CAPACITY, RIVETED SHELL, WITH A MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED 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) FOR RULE 463 APPLICABILITY, ONLY SUBDIVISION (D) IN THE MAY 6, 2005 AMENDMENT, OR EQUIVALENT REQUIREMENTS IN THE FUTURE AMENDMENTS SHALL APPLY TO DOMED EXTERNAL FLOATING ROOF TANKS THIS DOES NOT PRECLUDE ANY REQUIREMENTS SPECIFIED IN RULE 1178.
[RULE 463, RULE 1178]
- 4) THE OPERATOR SHALL INSURE THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE BETWEEN THE DOME AND THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF ITS LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION AT LEAST TWICE A YEAR AT 4 TO 8 MONTHS INTERVALS AND RECORD THE MONITORING DATES & RESULTS IN A WRITTEN LOG.
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP RECORDS OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS, IN A MANNER APPROVED BY THE DISTRICT.
[RULE 463]

Periodic Monitoring: NONE



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Emissions and Requirements:

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

HAP/TOC: 40CFR 63 SUBPART R
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G27797
A/N 553202**

Equipment Description:

STORAGE TANK NO. 942, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 144' - 0" DIA. X 46' - 0" H., 5,605,000 GALLONS CAPACITY, RIVETED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL & A RIM-MOUNTED 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) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A REID VAPOR PRESSURE EXCEEDING RVP 13.5.
[RULE 1303(b)(2) – OFFSETS, RULE 1313(g)]
- 4) THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED DOES NOT EXCEED 30 PERCENT OF ITS LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTHS INTERVALS.
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE.
[RULE 463, RULE 1149, RULE 1173, RULE 1178, RULE 1303(b)(2) – OFFSETS, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



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Emissions and Requirements:

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

HAP/TOC: 40CFR 63 SUBPART R

VOC: RULE 463

VOC: RULE 1149

VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)

VOC: RULE 1178



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PERMIT TO OPERATE

**Permit No. G27798
A/N 553203**

Equipment Description:

STORAGE TANK NO. TK-932, EXTERNAL FLOATING ROOF, 117'-0" DIA. X 42'-0" H., 78,775 BARRELS CAPACITY, RIVETED SHELL, WITH A 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 ONLY USE THIS TANK TO STORE DIESEL FUEL OIL.
[RULE 1303(b)(2)-OFFSETS, RULE 1313(g)]
4. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC	RULE 463
VOC:	RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



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PERMIT TO OPERATE

**Permit No. G28842
A/N 553204**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. CFP7E-F30, 6 CYLINDERS, COMPRESSION IGNITION, TURBOCHARGED/AFTERCOOLED, 205 BHP, DIESEL FUELED, DRIVING AN EMERGENCY FIRE WATER PUMP

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. FOR THE LIFE OF THIS ENGINE, THE OPERATOR SHALL OPERATE AND MAINTAIN THIS ENGINE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS OR PROCEDURES.
[40CFR 60 SUBPART III]
4. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE ENGINE SHALL NOT EXCEED 15 PARTS PER MILLION (PPM) BY WEIGHT.
[RULE 431.2, RULE 1470, 40CFR 60 SUBPART III]
5. AN OPERATIONAL, NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME. THE METER SHALL BE READABLE AND ACCURATE TO THE NEAREST TENTH OF AN HOUR.
[RULE 1110.2, RULE 1304 (a)(4)-MODELING AND OFFSET EXEMPTION, 40CFR 60 SUBPART III, RULE 1470]
6. THIS INTERNAL COMBUSTION ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDE NO MORE THAN 50 HOURS IN ANY ONE YEAR AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING. THE ENGINE SHALL NOT BE OPERATED MORE THAN THE NUMBER OF HOURS NEEDED TO MEET NFPA 25 REQUIREMENTS.
[RULE 1303(a)(1)-BACT, RULE 1470]



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7. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS:
- A. EMERGENCY USE
 - B. MAINTENANCE AND TESTING
 - C. OTHER SPECIFIC REASONS

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READINGS (IN HOURS AND TENTHS OF HOURS) THE BEGINNING AND END OF EACH OPERATION.

[RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1304 (a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]

8. ON OR BEFORE JANUARY 15 OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE OPERATING LOG:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
 - B. THE TOTAL HOURS FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR

THE OPERATING LOG SHALL REMAIN ON SITE FOR THE MOST RECENT THREE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1304 (a)(4)-MODELING AND OFFSET EXEMPTION, RULE 1470]

Periodic Monitoring:

NONE

Emissions and Requirements:

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

NOX + ROG: 3.0 GMS/BHP-HR, 40CFR 60 SUBPART IIII, RULE 1303(a)(1)-BACT, RULE 1470
CO: 2.6 GMS/BHP-HR, 40CFR 60 SUBPART IIII, RULE 1303(a)(1)-BACT, RULE 1470
PM: 0.15 GMS/BHP-HR, 40CFR 60 SUBPART IIII, RULE 1303(a)(1)-BACT, RULE 1470
HAP: 40CFR 63 SUBPART ZZZZ



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PERMIT TO OPERATE

**Permit No. G29582
A/N 556617**

Equipment Description:

BULK GASOLINE LOADING RACK NO. 1 CONSISTING OF THE FOLLOWING:

1. FOUR 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 4" VAPOR RETURN CONNECTIONS.
3. TEN TOTALIZING FLOW METERS.
4. ELEVEN GASOLINE PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 1 THROUGH 6).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).
7. THREE ETHANOL TRANSFER PUMPS, EACH WITH 25 HP MOTOR AND TANDEM MECHANICAL SEALS VENTED TO VAPOR RECOVERY SYSTEM OR TO STANDBY AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACKS 1 THROUGH 6).
8. SIX ADDITIVE PUMPS, 2 HP MAGNETIC DRIVE GEAR PUMPS (COMMON TO LOADING RACKS 1 THROUGH 6).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]



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- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) - OFFSETS]
- 5) DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION SHALL BE VENTED TO A VAPOR RECOVERY SYSTEM (VRU NO. 1, VRU NO. 2, AND/OR STANDBY FLARE). THE VAPOR RECOVERY SYSTEM SHALL BE CALIFORNIA AIR RESOURCES BOARD (CARB) CERTIFIED. IF THE VAPOR RECOVERY SYSTEM DOES NOT REQUIRE CARB CERTIFICATION PER CALIFORNIA HEALTH AND SAFETY CODE 41954, IT SHALL BE APPROVED BY AQMD. THE VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED TO REDUCE VOC EMISSIONS FROM LOADING OPERATIONS TO 0.08 POUNDS OR LESS PER 1000 GALLONS LOADED.
[RULE 462, 40CFR 63 SUBPART R]
- 6) THIS EQUIPMENT SHALL NOT BE USED TO LOAD OR UNLOAD ORGANIC LIQUIDS INTO ANY TRANSPORT VESSEL UNLESS THE VESSEL HAS A VALID CERTIFICATION OF VAPOR INTEGRITY AS DEFINED BY THE APPLICABLE AIR RESOURCES BOARD CERTIFICATION AND TEST PROCEDURES, PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE SECTION 41962(g).
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL PERFORM AN INSPECTION OF THE VAPOR COLLECTION SYSTEM, THE VAPOR CONTROL SYSTEM, AND THE COMPONENTS AND FITTINGS OF THIS EQUIPMENT FOR VAPOR AND/OR LIQUID LEAKS. THE OPERATOR SHALL USE THE MEASURES FOR INSPECTION, REPORTING, MAINTENANCE, AND LEAK CRITERIA EQUIVALENT TO THOSE SPECIFIED IN AQMD RULE 1173 PER SETTLEMENT AGREEMENT BETWEEN AQMD AND ARCO PRODUCTS COMPANY AND ITS SUCCESSORS, DATED MARCH 15, 1991.
[RULE 462, 40CFR 63 SUBPART R, SETTLEMENT AGREEMENT]
- 8) THE OPERATOR SHALL RECORD ALL LEAKS, REPAIRS, AND REINSPECTIONS AS REQUIRED BY THE CONDITIONS OF THIS PERMIT, AND SUBMIT THOSE AS QUARTERLY OR ANNUAL INSPECTION REPORTS TO THE EXECUTIVE OFFICER, NO LATER THAN 30 DAYS AFTER THE END OF EACH QUARTER, OR 60 DAYS AFTER THE END OF EACH CALENDAR YEAR, RESPECTIVELY.
[RULE 462]
- 9) THE RECORDS REQUIRED BY CONDITIONS OF THIS PERMIT INCLUDING CARGO TANK INTEGRITY TESTS, PERIODIC LEAK INSPECTIONS, COMPONENT IDENTIFICATION, TYPE, SERVICE, LOCATION, LEAK RATE, DATE AND TIME OF INSPECTION AND REPAIR, REINSPECTIONS, AND MAINTENANCE, SHALL BE RETAINED AT THE FACILITY AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 462, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



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Emissions and Requirements:

- 10) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



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TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

Permit No. G29583
A/N 556618

Equipment Description:

BULK GASOLINE LOADING RACK NO. 2 CONSISTING OF THE FOLLOWING:

1. FOUR 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 4" VAPOR RETURN CONNECTIONS.
3. TEN TOTALIZING FLOW METERS.
4. ELEVEN GASOLINE PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 1 THROUGH 6).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).
7. THREE ETHANOL TRANSFER PUMPS, EACH WITH 25 HP MOTOR AND TANDEM MECHANICAL SEALS VENTED TO VAPOR RECOVERY SYSTEM OR TO STANDBY AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACKS 1 THROUGH 6).
8. SIX ADDITIVE PUMPS, 2 HP MAGNETIC DRIVE GEAR PUMPS (COMMON TO LOADING RACKS 1 THROUGH 6).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) - OFFSETS]
- 5) DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION SHALL BE VENTED TO A VAPOR RECOVERY SYSTEM (VRU NO. 1, VRU NO. 2, AND/OR STANDBY FLARE). THE VAPOR RECOVERY SYSTEM SHALL BE CALIFORNIA AIR RESOURCES BOARD (CARB) CERTIFIED. IF THE VAPOR RECOVERY SYSTEM DOES NOT REQUIRE CARB CERTIFICATION PER CALIFORNIA HEALTH AND SAFETY CODE 41954, IT SHALL BE APPROVED BY AQMD. THE VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED TO REDUCE VOC EMISSIONS FROM LOADING OPERATIONS TO 0.08 POUNDS OR LESS PER 1000 GALLONS LOADED.
[RULE 462, 40CFR 63 SUBPART R]
- 6) THIS EQUIPMENT SHALL NOT BE USED TO LOAD OR UNLOAD ORGANIC LIQUIDS INTO ANY TRANSPORT VESSEL UNLESS THE VESSEL HAS A VALID CERTIFICATION OF VAPOR INTEGRITY AS DEFINED BY THE APPLICABLE AIR RESOURCES BOARD CERTIFICATION AND TEST PROCEDURES, PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE SECTION 41962(g).
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL PERFORM AN INSPECTION OF THE VAPOR COLLECTION SYSTEM, THE VAPOR CONTROL SYSTEM, AND THE COMPONENTS AND FITTINGS OF THIS EQUIPMENT FOR VAPOR AND/OR LIQUID LEAKS. THE OPERATOR SHALL USE THE MEASURES FOR INSPECTION, REPORTING, MAINTENANCE, AND LEAK CRITERIA EQUIVALENT TO THOSE SPECIFIED IN AQMD RULE 1173 PER SETTLEMENT AGREEMENT BETWEEN AQMD AND ARCO PRODUCTS COMPANY AND ITS SUCCESSORS, DATED MARCH 15, 1991.
[RULE 462, 40CFR 63 SUBPART R, SETTLEMENT AGREEMENT]
- 8) THE OPERATOR SHALL RECORD ALL LEAKS, REPAIRS, AND REINSPECTIONS AS REQUIRED BY THE CONDITIONS OF THIS PERMIT, AND SUBMIT THOSE AS QUARTERLY OR ANNUAL INSPECTION REPORTS TO THE EXECUTIVE OFFICER, NO LATER THAN 30 DAYS AFTER THE END OF EACH QUARTER, OR 60 DAYS AFTER THE END OF EACH CALENDAR YEAR, RESPECTIVELY.
[RULE 462]
- 9) THE RECORDS REQUIRED BY CONDITIONS OF THIS PERMIT INCLUDING CARGO TANK INTEGRITY TESTS, PERIODIC LEAK INSPECTIONS, COMPONENT IDENTIFICATION, TYPE, SERVICE, LOCATION, LEAK RATE, DATE AND TIME OF INSPECTION AND REPAIR, REINSPECTIONS, AND MAINTENANCE, SHALL BE RETAINED AT THE FACILITY AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 462, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

Emissions and Requirements:

- 10) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G29584
A/N 556619**

Equipment Description:

BULK GASOLINE LOADING RACK NO. 3 CONSISTING OF THE FOLLOWING:

1. FOUR 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 4" VAPOR RETURN CONNECTIONS.
3. TEN TOTALIZING FLOW METERS.
4. ELEVEN GASOLINE PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 1 THROUGH 6).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).
7. THREE ETHANOL TRANSFER PUMPS, EACH WITH 25 HP MOTOR AND TANDEM MECHANICAL SEALS VENTED TO VAPOR RECOVERY SYSTEM OR TO STANDBY AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACKS 1 THROUGH 6).
8. SIX ADDITIVE PUMPS, 2 HP MAGNETIC DRIVE GEAR PUMPS (COMMON TO LOADING RACKS 1 THROUGH 6).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) - OFFSETS]
- 5) DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION SHALL BE VENTED TO A VAPOR RECOVERY SYSTEM (VRU NO. 1, VRU NO. 2, AND/OR STANDBY FLARE). THE VAPOR RECOVERY SYSTEM SHALL BE CALIFORNIA AIR RESOURCES BOARD (CARB) CERTIFIED. IF THE VAPOR RECOVERY SYSTEM DOES NOT REQUIRE CARB CERTIFICATION PER CALIFORNIA HEALTH AND SAFETY CODE 41954, IT SHALL BE APPROVED BY AQMD. THE VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED TO REDUCE VOC EMISSIONS FROM LOADING OPERATIONS TO 0.08 POUNDS OR LESS PER 1000 GALLONS LOADED.
[RULE 462, 40CFR 63 SUBPART R]
- 6) THIS EQUIPMENT SHALL NOT BE USED TO LOAD OR UNLOAD ORGANIC LIQUIDS INTO ANY TRANSPORT VESSEL UNLESS THE VESSEL HAS A VALID CERTIFICATION OF VAPOR INTEGRITY AS DEFINED BY THE APPLICABLE AIR RESOURCES BOARD CERTIFICATION AND TEST PROCEDURES, PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE SECTION 41962(g).
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL PERFORM AN INSPECTION OF THE VAPOR COLLECTION SYSTEM, THE VAPOR CONTROL SYSTEM, AND THE COMPONENTS AND FITTINGS OF THIS EQUIPMENT FOR VAPOR AND/OR LIQUID LEAKS. THE OPERATOR SHALL USE THE MEASURES FOR INSPECTION, REPORTING, MAINTENANCE, AND LEAK CRITERIA EQUIVALENT TO THOSE SPECIFIED IN AQMD RULE 1173 PER SETTLEMENT AGREEMENT BETWEEN AQMD AND ARCO PRODUCTS COMPANY AND ITS SUCCESSORS, DATED MARCH 15, 1991.
[RULE 462, 40CFR 63 SUBPART R, SETTLEMENT AGREEMENT]
- 8) THE OPERATOR SHALL RECORD ALL LEAKS, REPAIRS, AND REINSPECTIONS AS REQUIRED BY THE CONDITIONS OF THIS PERMIT, AND SUBMIT THOSE AS QUARTERLY OR ANNUAL INSPECTION REPORTS TO THE EXECUTIVE OFFICER, NO LATER THAN 30 DAYS AFTER THE END OF EACH QUARTER, OR 60 DAYS AFTER THE END OF EACH CALENDAR YEAR, RESPECTIVELY.
[RULE 462]
- 9) THE RECORDS REQUIRED BY CONDITIONS OF THIS PERMIT INCLUDING CARGO TANK INTEGRITY TESTS, PERIODIC LEAK INSPECTIONS, COMPONENT IDENTIFICATION, TYPE, SERVICE, LOCATION, LEAK RATE, DATE AND TIME OF INSPECTION AND REPAIR, REINSPECTIONS, AND MAINTENANCE, SHALL BE RETAINED AT THE FACILITY AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 462, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

Emissions and Requirements:

- 10) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

Permit No. G29585
A/N 556620

Equipment Description:

BULK GASOLINE LOADING RACK NO. 4 CONSISTING OF THE FOLLOWING:

1. FOUR 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 4" VAPOR RETURN CONNECTIONS.
3. TEN TOTALIZING FLOW METERS.
4. ELEVEN GASOLINE PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 1 THROUGH 6).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).
7. THREE ETHANOL TRANSFER PUMPS, EACH WITH 25 HP MOTOR AND TANDEM MECHANICAL SEALS VENTED TO VAPOR RECOVERY SYSTEM OR TO STANDBY AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACKS 1 THROUGH 6).
8. SIX ADDITIVE PUMPS, 2 HP MAGNETIC DRIVE GEAR PUMPS (COMMON TO LOADING RACKS 1 THROUGH 6).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) - OFFSETS]
- 5) DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION SHALL BE VENTED TO A VAPOR RECOVERY SYSTEM (VRU NO. 1, VRU NO. 2, AND/OR STANDBY FLARE). THE VAPOR RECOVERY SYSTEM SHALL BE CALIFORNIA AIR RESOURCES BOARD (CARB) CERTIFIED. IF THE VAPOR RECOVERY SYSTEM DOES NOT REQUIRE CARB CERTIFICATION PER CALIFORNIA HEALTH AND SAFETY CODE 41954, IT SHALL BE APPROVED BY AQMD. THE VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED TO REDUCE VOC EMISSIONS FROM LOADING OPERATIONS TO 0.08 POUNDS OR LESS PER 1000 GALLONS LOADED.
[RULE 462, 40CFR 63 SUBPART R]
- 6) THIS EQUIPMENT SHALL NOT BE USED TO LOAD OR UNLOAD ORGANIC LIQUIDS INTO ANY TRANSPORT VESSEL UNLESS THE VESSEL HAS A VALID CERTIFICATION OF VAPOR INTEGRITY AS DEFINED BY THE APPLICABLE AIR RESOURCES BOARD CERTIFICATION AND TEST PROCEDURES, PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE SECTION 41962(g).
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL PERFORM AN INSPECTION OF THE VAPOR COLLECTION SYSTEM, THE VAPOR CONTROL SYSTEM, AND THE COMPONENTS AND FITTINGS OF THIS EQUIPMENT FOR VAPOR AND/OR LIQUID LEAKS. THE OPERATOR SHALL USE THE MEASURES FOR INSPECTION, REPORTING, MAINTENANCE, AND LEAK CRITERIA EQUIVALENT TO THOSE SPECIFIED IN AQMD RULE 1173 PER SETTLEMENT AGREEMENT BETWEEN AQMD AND ARCO PRODUCTS COMPANY AND ITS SUCCESSORS, DATED MARCH 15, 1991.
[RULE 462, 40CFR 63 SUBPART R, SETTLEMENT AGREEMENT]
- 8) THE OPERATOR SHALL RECORD ALL LEAKS, REPAIRS, AND REINSPECTIONS AS REQUIRED BY THE CONDITIONS OF THIS PERMIT, AND SUBMIT THOSE AS QUARTERLY OR ANNUAL INSPECTION REPORTS TO THE EXECUTIVE OFFICER, NO LATER THAN 30 DAYS AFTER THE END OF EACH QUARTER, OR 60 DAYS AFTER THE END OF EACH CALENDAR YEAR, RESPECTIVELY.
[RULE 462]
- 9) THE RECORDS REQUIRED BY CONDITIONS OF THIS PERMIT INCLUDING CARGO TANK INTEGRITY TESTS, PERIODIC LEAK INSPECTIONS, COMPONENT IDENTIFICATION, TYPE, SERVICE, LOCATION, LEAK RATE, DATE AND TIME OF INSPECTION AND REPAIR, REINSPECTIONS, AND MAINTENANCE, SHALL BE RETAINED AT THE FACILITY AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 462, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

Emissions and Requirements:

- 10) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

Permit No. G29586
A/N 556621

Equipment Description:

BULK GASOLINE LOADING RACK NO. 5 CONSISTING OF THE FOLLOWING:

1. FOUR 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 4" VAPOR RETURN CONNECTIONS.
3. TEN TOTALIZING FLOW METERS.
4. ELEVEN GASOLINE PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 1 THROUGH 6).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).
7. THREE ETHANOL TRANSFER PUMPS, EACH WITH 25 HP MOTOR AND TANDEM MECHANICAL SEALS VENTED TO VAPOR RECOVERY SYSTEM OR TO STANDBY AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACKS 1 THROUGH 6).
8. SIX ADDITIVE PUMPS, 2 HP MAGNETIC DRIVE GEAR PUMPS (COMMON TO LOADING RACKS 1 THROUGH 6).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) - OFFSETS]
- 5) DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION SHALL BE VENTED TO A VAPOR RECOVERY SYSTEM (VRU NO. 1, VRU NO. 2, AND/OR STANDBY FLARE). THE VAPOR RECOVERY SYSTEM SHALL BE CALIFORNIA AIR RESOURCES BOARD (CARB) CERTIFIED. IF THE VAPOR RECOVERY SYSTEM DOES NOT REQUIRE CARB CERTIFICATION PER CALIFORNIA HEALTH AND SAFETY CODE 41954, IT SHALL BE APPROVED BY AQMD. THE VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED TO REDUCE VOC EMISSIONS FROM LOADING OPERATIONS TO 0.08 POUNDS OR LESS PER 1000 GALLONS LOADED.
[RULE 462, 40CFR 63 SUBPART R]
- 6) THIS EQUIPMENT SHALL NOT BE USED TO LOAD OR UNLOAD ORGANIC LIQUIDS INTO ANY TRANSPORT VESSEL UNLESS THE VESSEL HAS A VALID CERTIFICATION OF VAPOR INTEGRITY AS DEFINED BY THE APPLICABLE AIR RESOURCES BOARD CERTIFICATION AND TEST PROCEDURES, PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE SECTION 41962(g).
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL PERFORM AN INSPECTION OF THE VAPOR COLLECTION SYSTEM, THE VAPOR CONTROL SYSTEM, AND THE COMPONENTS AND FITTINGS OF THIS EQUIPMENT FOR VAPOR AND/OR LIQUID LEAKS. THE OPERATOR SHALL USE THE MEASURES FOR INSPECTION, REPORTING, MAINTENANCE, AND LEAK CRITERIA EQUIVALENT TO THOSE SPECIFIED IN AQMD RULE 1173 PER SETTLEMENT AGREEMENT BETWEEN AQMD AND ARCO PRODUCTS COMPANY AND ITS SUCCESSORS, DATED MARCH 15, 1991.
[RULE 462, 40CFR 63 SUBPART R, SETTLEMENT AGREEMENT]
- 8) THE OPERATOR SHALL RECORD ALL LEAKS, REPAIRS, AND REINSPECTIONS AS REQUIRED BY THE CONDITIONS OF THIS PERMIT, AND SUBMIT THOSE AS QUARTERLY OR ANNUAL INSPECTION REPORTS TO THE EXECUTIVE OFFICER, NO LATER THAN 30 DAYS AFTER THE END OF EACH QUARTER, OR 60 DAYS AFTER THE END OF EACH CALENDAR YEAR, RESPECTIVELY.
[RULE 462]
- 9) THE RECORDS REQUIRED BY CONDITIONS OF THIS PERMIT INCLUDING CARGO TANK INTEGRITY TESTS, PERIODIC LEAK INSPECTIONS, COMPONENT IDENTIFICATION, TYPE, SERVICE, LOCATION, LEAK RATE, DATE AND TIME OF INSPECTION AND REPAIR, REINSPECTIONS, AND MAINTENANCE, SHALL BE RETAINED AT THE FACILITY AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 462, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

Emissions and Requirements:

- 10) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G29588
A/N 556622**

Equipment Description:

BULK GASOLINE AND DIESEL LOADING RACK NO. 6 CONSISTING OF THE FOLLOWING:

1. FOUR 4" GASOLINE BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 3" VAPOR RETURN CONNECTIONS.
3. TEN TOTALIZING GASOLINE FLOW METERS.
4. ELEVEN GASOLINE PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 1 THROUGH 6).
5. TWO DIESEL PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 6 THROUGH 8).
6. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
7. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).
8. TWO 4" DIESEL BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
9. TWO TOTALIZING DIESEL FLOW METERS.
10. THREE ETHANOL TRANSFER PUMPS, EACH WITH 25 HP MOTOR AND TANDEM MECHANICAL SEALS VENTED TO VAPOR RECOVERY SYSTEM OR TO STANDBY AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACKS 1 THROUGH 6).
11. SIX ADDITIVE PUMPS, 2 HP MAGNETIC DRIVE GEAR PUMPS (COMMON TO LOADING RACKS 1 THROUGH 6).

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]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]
- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) – OFFSETS, RULE 1313(g)]
- 5) DISPLACED VAPORS FROM THE TRUCK LOADING OPERATION SHALL BE VENTED TO A VAPOR RECOVERY SYSTEM (VRU NO. 1, VRU NO. 2, AND/OR STANDBY FLARE). THE VAPOR RECOVERY SYSTEM SHALL BE CALIFORNIA AIR RESOURCES BOARD (CARB) CERTIFIED. IF THE VAPOR RECOVERY SYSTEM DOES NOT REQUIRE CARB CERTIFICATION PER CALIFORNIA HEALTH AND SAFETY CODE 41954, IT SHALL BE APPROVED BY AQMD. THE VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED TO REDUCE VOC EMISSIONS FROM LOADING OPERATIONS TO 0.08 POUNDS OR LESS PER 1000 GALLONS LOADED.
[RULE 462, 40CFR 63 SUBPART R]
- 6) THIS EQUIPMENT SHALL NOT BE USED TO LOAD OR UNLOAD ORGANIC LIQUIDS INTO ANY TRANSPORT VESSEL UNLESS THE VESSEL HAS A VALID CERTIFICATION OF VAPOR INTEGRITY AS DEFINED BY THE APPLICABLE AIR RESOURCES BOARD CERTIFICATION AND TEST PROCEDURES, PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE SECTION 41962(g).
[RULE 462, 40CFR 63 SUBPART R]
- 7) THE OPERATOR SHALL PERFORM AN INSPECTION OF THE VAPOR COLLECTION SYSTEM, THE VAPOR CONTROL SYSTEM, AND THE COMPONENTS AND FITTINGS OF THIS EQUIPMENT FOR VAPOR AND/OR LIQUID LEAKS. THE OPERATOR SHALL USE THE MEASURES FOR INSPECTION, REPORTING, MAINTENANCE, AND LEAK CRITERIA EQUIVALENT TO THOSE SPECIFIED IN AQMD RULE 1173 PER SETTLEMENT AGREEMENT BETWEEN AQMD AND ARCO PRODUCTS COMPANY AND ITS SUCCESSORS, DATED MARCH 15, 1991.
[RULE 462, 40CFR 63 SUBPART R, SETTLEMENT AGREEMENT]
- 8) THE OPERATOR SHALL RECORD ALL LEAKS, REPAIRS, AND REINSPECTIONS AS REQUIRED BY THE CONDITIONS OF THIS PERMIT, AND SUBMIT THOSE AS QUARTERLY OR ANNUAL INSPECTION REPORTS TO THE EXECUTIVE OFFICER, NO LATER THAN 30 DAYS AFTER THE END OF EACH QUARTER, OR 60 DAYS AFTER THE END OF EACH CALENDAR YEAR, RESPECTIVELY.
[RULE 462]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 9) THE RECORDS REQUIRED BY CONDITIONS OF THIS PERMIT INCLUDING CARGO TANK INTEGRITY TESTS, PERIODIC LEAK INSPECTIONS, COMPONENT IDENTIFICATION, TYPE, SERVICE, LOCATION, LEAK RATE, DATE AND TIME OF INSPECTION AND REPAIR, REINSPECTIONS, AND MAINTENANCE, SHALL BE RETAINED AT THE FACILITY AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 462, 40CFR 63 SUBPART R]

Periodic Monitoring: NONE

Emissions and Requirements:

- 10) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HAP/TOC: 10 MG/LITER OF GASOLINE LOADED, 40CFR 63 SUBPART R
VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462
VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

Permit No. G29587
A/N 556623

Equipment Description:

BULK DIESEL LOADING RACK NO. 7 CONSISTING OF THE FOLLOWING:

1. TWO 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 3" VAPOR RETURN CONNECTIONS.
3. TWO TOTALIZING FLOW METERS.
4. TWO DIESEL PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 6 THROUGH 8).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]
- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) – OFFSETS, RULE 1313(g)]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 5) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL DEVICE WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) - BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

PERMIT TO OPERATE

**Permit No. G29589
A/N 556624**

Equipment Description:

BULK DIESEL LOADING RACK NO. 8 CONSISTING OF THE FOLLOWING:

1. TWO 4" BOTTOM LOADING ARMS WITH BREAKAWAY COUPLERS AND DRY BREAK CONNECTIONS.
2. TWO 3" VAPOR RETURN CONNECTIONS.
3. TWO TOTALIZING FLOW METERS.
4. TWO DIESEL PUMPS, EACH INLINE WITH MECHANICAL SEAL AND 100 HP MOTOR (COMMON TO LOADING RACKS 6 THROUGH 8).
5. SUMP TANK T-903, UNDERGROUND, 4,000 GALLON CAPACITY, 8' DIA. X 31' L. (COMMON TO LOADING RACKS 1 THROUGH 8).
6. TANK TK-120, UNDERGROUND, 7'-9" DIA. X 14'-8" L., 5,000 GALLON CAPACITY (COMMON TO LOADING RACKS 1 THROUGH 8).

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 LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 5,843,411 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1313(g)]
- 4) THE LOADING RATE FOR ALL COMMODITIES AT THIS FACILITY SHALL NOT EXCEED 7,000,000 GALLONS PER DAY. THROUGHPUT SHALL BE MONITORED AND RECORDED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION WHEN THE LOADING RATE LIMIT IS REACHED.
[RULE 462, RULE 1303(b)(2) – OFFSETS, RULE 1313(g)]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

- 5) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL DEVICE WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1) - BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 1173 (PER SETTLEMENT AGREEMENT 3/15/1991)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE 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 109, RULE 1113]

Periodic Monitoring: NONE

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.



**FACILITY PERMIT TO OPERATE
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SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

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
553205	462
553206	463
559837	3003

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.



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RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN

Application Number 553206

CONTINUOUS MONITORING SYSTEM (CMS) EQUIPMENT:

1. CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF A SUMMIT IR-8400D NON-METHANE GAS ANALYZER AND A YOKOGAWA DX106-1-2/AR2/F1/M1 (OR EQUIVALENT) PAPERLESS RECORDER SERVING JOHN ZINK CARBON ADSORPTION SYSTEM, VRU NO. 1
2. CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF A SUMMIT IR-8400D NON-METHANE GAS ANALYZER AND A YOKOGAWA DX106-1-2/AR2/F1/M1 (OR EQUIVALENT) PAPERLESS RECORDER SERVING JOHN ZINK CARBON ADSORPTION SYSTEM, VRU NO. 2
3. THERMOCOUPLE, TYPE K, AND A YOKOGAWA DX106-1-2/AR2/F1/M1 (OR EQUIVALENT) PAPERLESS RECORDER SERVING A JOHN ZINK ENCLOSED-TYPE FLARE, 100 MMBTU/HR

CONDITIONS APPLICABLE TO EACH CMS SERVING THE JOHN ZINK CARBON ADSORPTION SYSTEMS (VRU NO.1 AND VRU NO.2):

1. The operator shall conduct the operation of each CMS in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. Each CMS shall sample and analyze gas from the outlet of the carbon adsorption system to accurately measure the Nonmethane Hydrocarbon (NMHC) concentration at the exhaust of the vapor recovery unit.
3. Each CMS shall provide and each data recorder shall retain the instantaneous NMHC concentration and a continuous 15-minute average NMHC concentration, measured at the exhaust of the vapor recovery unit (carbon adsorbers).
4. The operator shall maintain a display of the NMHC concentrations in a location accessible to District personnel.
5. Daily calibration error tests shall be performed on each CMS at the low (0-20 percent) and high (80-100 percent) ranges of concentration. The calibration error shall not exceed 2.5 percent of the full scale range.
6. Testing of each CMS for relative accuracy (RA) and calibration drift, as described in 40 CFR 60 Appendix B, shall be conducted in conjunction with the vapor recovery unit (carbon adsorbers) performance testing required by the permit for the vapor recovery unit (carbon adsorbers).
7. The operator shall ensure that each CMS is properly maintained and kept in good operating condition at all times and that it meets applicable requirements of 40 CFR 63.427 and 40 CFR 60 Appendix B,



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Specification 8. The applicability of 40 CFR 63.427 is pursuant to AQMD rule 462(f)(2) and does not necessarily imply that the facility is a major source of Hazardous Air Pollutants (HAPs).

8. The operator shall maintain each recording device in proper operation at all times such that it is accurately synchronized with the correct time of day.
9. Each recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the NMHC concentration within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.
10. The operator shall notify the executive officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of the failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of the failure. The provisions of this condition shall not apply when the vapor line at the inlet to the carbon adsorption system is closed and the carbon adsorption system is completely shut down for maintenance or repairs.
11. The operator shall keep records on site to show compliance with conditions required by this plan. Such records shall be kept for at least five years and made available to District personnel upon request.

CONDITIONS APPLICABLE TO THE CMS SERVING THE JOHN ZINK FLARE:

1. The operator shall conduct the operation of this CMS in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. The thermocouple shall be located at a position not less than 22 feet above ground and within the exhaust stack of the flare to accurately measure the temperature of the exhaust gas. This monitoring location has been determined to meet the requirements of 40 CFR 63.427(a)(3).
3. The operator shall maintain a digital readout of the temperature of the flare exhaust gas in a location accessible to District personnel.
4. The operator shall calibrate the thermocouple/chart recorder once a year, in accordance with the manufacturer's specifications, such that the overall accuracy is within +/- 1% of the actual value or +/- 2.2 degrees Celsius, whichever is greater.
5. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets any applicable requirements of 40 CFR 63.427. The applicability of 40 CFR 63.427 is pursuant to AQMD Rule 462(f)(2) and does not necessarily imply that the facility is a major source of Hazardous Air Pollutants (HAPs).



FACILITY PERMIT TO OPERATE
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6. The operator shall maintain and operate the CMS to accurately record the temperature in the exhaust stack of the flare at all times as specified in these conditions.
7. The operator shall maintain the recording device in proper operation at all times such that it is accurately synchronized with the correct time of day. The provisions of this condition shall not apply when the vapor line at the inlet to the flare is closed and the flare is completely shut down for maintenance or repairs.
8. Each recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the temperature within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.
9. The operator shall notify the executive officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of failure. The provisions of this condition shall not apply when the vapor line at the inlet to the flare is closed and the flare is completely shut down for maintenance or repairs.
10. The operator shall keep records on site to show compliance with conditions required by this plan. Such records shall be kept for at least five years and made available to District personnel upon request.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

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Revision #::	2
Date:	July 31, 2014

FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL

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FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL

RULE 463 Inspection and Maintenance Plan Approval
Application Number 553206

LEGAL OWNER OR OPERATOR: Tesoro Logistics, Vinvale Terminal

FACILITY LOCATION: 8601 S. Garfield Avenue, South Gate, CA 90280

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 regulation 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 or the Rules and Regulations of the AQMD. This plan cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies.

RULE 463 EQUIPMENT:

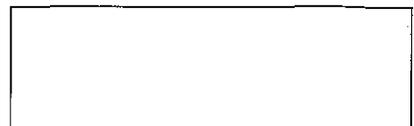
Floating Roof Tanks as listed in submitted plan.

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.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765



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Tesoro Logistics, Vinvale Terminal
8601 South Garfield Avenue
South Gate, CA 90280

Owned by: Tesoro Logistics Operations LLC

**SCAQMD Rule 463
FLOATING ROOF TANK INSPECTION AND
MAINTENANCE PLAN**

Updated: June, 2014
By: Ruthanne Walker, Sr. Env'tl. Specialist

A. Purpose of Floating Roof Tank Inspection and Maintenance Plan

This Floating Roof Tank Inspection and Maintenance Plan has been prepared to comply with SCAQMD Rule 463 (as amended November 4, 2011). The plan originally was submitted to meet a September 14, 1994 deadline and is now being updated to reflect that Tesoro Logistics Operations LLC (Tesoro) now owns the ARCO Vinvale Terminal. The plan must also be revised whenever a new tank is constructed. The plan includes the following:

- Proposed Self-Inspection Schedule
- Number of Certified Persons Dedicated to Program
- Self-Inspection Procedures
- Safety Procedures
- Tank Inventory (Tank ID, Maximum Design Capacity, Product, Shell Type, Dimensions, Seal Type, Seal Manufacturer, Floating Roof Type, Date of Construction, Location)

B. Proposed Self-Inspection Schedule

Vinvale Terminal is owned by Tesoro effective June 1, 2013. Tesoro inspects all floating roof tanks twice per year at 4 to 8 month intervals. To help assure that inspections occur within the 4 to 8 month window, inspections are planned to take place during the months of approximately June and December. However, flexibility in scheduling will be accommodated as long as the 4 to 8 month window is met. Inspections are conducted by a certified person in accordance with the procedures and guidelines set forth in "Inspection Procedures and Compliance Report Form" (Attachment B).

Each time a tank is emptied and degassed, the primary and secondary seals will be inspected by a certified person. On external floating roofs, gap measurements will be taken when the liquid surface is still, but not more than 24 hours after the tank roof is refloated. SCAQMD will be notified at least two weeks prior to starting a tank-emptying or roof-refloating operation for planned tank maintenance.

C. Number of Certified Persons Dedicated to the Program

Typically, two employees associated with operation of the terminal are certified to perform the semi-annual Rule 463 Tank Inspections at the Vinvale Terminal. However, in many cases, the inspections will be performed by outside contractors. Outside contractors will also be used to perform the primary and secondary seal inspections when a tank is emptied and degassed. Only ARCO/Tesoro employees or outside contractors who are SCAQMD certified tank inspectors, holding a certificate attesting to completion of the training, will conduct Rule 463 tank inspections.

D. Self Inspection Procedures

All Tank Inspections are conducted in accordance with the procedures and guidelines set forth in SCAQMD's "Inspection Procedures and Compliance Report Form" (Attachment B).

E. Safety Procedures

Safety procedures followed during tank inspections are contained in the Tesoro Logistics Health and Safety Procedures Manual. The former BP USPL procedures serve as the procedure until such time as Tesoro Logistics issues new, revised policies. Copies of the most current version of procedures are maintained electronically at the terminal. Copies of the current version is included in Attachment A for reference, but the online version should be considered the official version. Procedures, which apply to tank inspections per Rule 463, include, but may not be limited to the following:

Procedure Name

Air Monitoring

ATW

Confined Space Entry

Permit to Work

Emergency Preparedness

Fall Protection

Incident Investigation

Incident Reporting

Lockout

PPE

Respiratory Protection

Tank Inventory
Tesoro Logistics, Vinvale Terminal (aka ARCO)

Tank ID #	CAPACITY (Bbls)	PRODUCT TYPE	SHELL TYPE	DIMEN-SIONS	SEAL TYPE	SEAL MFR	FLOATING ROOF TYPE	TANK CONST. DATE
918	10,000	Oily Water	Riveted & Weld	D: 50'0" H: 29'6"	Primary: Mech. Shoe Secondary: Wiper	Primary: Matrix Secondary: Matrix	Domed, External	1935
930	80,412	Gasoline	Riveted	D: 117'-9-3/5" H: 42'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: Tank Service Secondary: TANKO	Domed, External	1929
931	80,456	Gasoline	Riveted	D: 117'-9-3/5" H: 42'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: Tank Service Secondary: TANKO	Domed, External	1929
932	80,172	Diesel	Riveted	D: 117'0" H: 42'0"	Primary: Mech. Shoe Secondary: None	Primary: Tank Service Secondary: None	External	1929
933	131,069	Gasoline	Riveted	D: 144'0" H: 46'0"	Primary: Mech. Shoe Secondary: Wiper (Multi-Layer/Finger)	Primary: Tank Service Secondary: HMT, Inc.	Domed, External	1929
934	132,592	Gasoline	Riveted	D: 144'0" H: 48'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: RFI Secondary: RFI	Domed, External	1929
940	131,703	Gasoline	Riveted w/ geodome	D: 144'0" H: 46'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: Tank Service Secondary: TANKO	Domed, External	1929
941	132,007	Gasoline	Riveted	D: 144'0" H: 48'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: Tank Service Secondary: TANKO	Domed, External	1929
942	128,807	Gasoline	Riveted	D: 144'0" H: 46'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: RFI Secondary: RFI	Domed, External	1929
943	131,898	Gasoline	Riveted	D: 144'0" H: 46'0"	Primary: Mech. Shoe Secondary: Wiper	Primary: Tank Service Secondary: TANKO	Domed, External	1929
950	588	Additive	Welded	D: 11'0" H: 35'0"	N/A (Cone)	N/A	N/A	1960
951	285	Out of Svc	Welded	D: 11'0" H: 17'6"	N/A (Cone)	N/A	N/a	1960
952	380	Water	Welded	D: 10'8" H: 24'0"	N/A (Cone)	N/A	N/A	1992
FPR-T1	128	Recovered Gasoline for Remediation	Welded	D: 21'0" H: 6'7"	N/A (Cone)	N/A	N/A	



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

SECTION J: AIR TOXICS

[40CFR 63 Subpart R, #1 (Major Sources) 12-19-2003]

**GASOLINE DISTRIBUTION FACILITIES (BULK GASOLINE TERMINALS AND
PIPELINE BREAKOUT STATIONS), MAJOR SOURCES**

1. Emissions to the atmosphere from the vapor collection and processing systems due to the loading of gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded.
2. The operator shall comply with all applicable requirements of this 40CFR 63 Subpart R and of Subpart A - General Provisions by the date(s) specified in these subparts. The Subpart R requirements include the equipment standards of Sections 63.422, 63.423 and 63.424, the test methods and procedures of Section 63.425, the continuous monitoring of Section 63.427 and the reporting and recordkeeping of Section 63.428.
3. The operator shall submit all reports, notifications, plans, submittals and other communications required by this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (see addresses in Sections E and K of this permit.)
4. The operator shall submit to AQMD plan applications (alternative plans, compliance plans, etc.) and applications for permits to construct and operate new equipment or equipment modifications, which are required by this subpart, as a Title V permit revision for the approval by the Executive Officer.



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**SECTION J: AIR TOXICS
[40CFR 63SubpartZZZZ 03-09-2011]**

**NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS:
STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**

The owner/operator of existing emergency stationary Reciprocating Internal Combustion Engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ including but not limited to the following:

1. The owner/operator shall comply with the applicable requirements as specified in 63.6603 including but not limited to the following:

Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirement, except during periods of startup . . .	During periods of startup you must . . .
4. Emergency stationary CI RICE and black start stationary CI RICE. ²	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; ¹	
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
5. Emergency stationary SI RICE; black start stationary SI RICE. ²	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; ¹	
	b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	

¹Sources have the option to utilize an oil analysis program as described in §63.6625(l) in order to extend the specified oil change requirement in Table 2d of this subpart.

²If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law



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SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

2. The owner/operator shall comply with the applicable general requirements as specified in 63.6605.
3. The owner/operator shall comply with the applicable monitoring, installation, collection, operation, and maintenance requirements specified in 63.6625.
4. The owner/operator shall demonstrate continuous compliance with the applicable emission limitations and operating limitations specified in 63.6640 including but not limited to the following:

(a) You must demonstrate continuous compliance with each emission limitation and operating limitation according to methods specified in Table 6 to this subpart.

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each . . .	Complying with the requirement to . . .	You must demonstrate continuous compliance by . . .
existing emergency and black start stationary RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

(c) you must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) of this section. Any operation other than emergency operation, maintenance and



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testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (iii), as long as the power provided by the financial arrangement is limited to emergency power.

5. The owner/operator shall comply with the applicable record keeping requirements specified in 63.6655 and 63.6660.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]



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SECTION K: TITLE V Administration

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]



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9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



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14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]



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SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



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RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:

- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
- (B) The date(s) analyses were performed;
- (C) The company or entity that performed the analyses;
- (D) The analytical techniques or methods used;
- (E) The results of such analyses; and
- (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]

20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]

21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:

- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.



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- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;



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- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]



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FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1110.2	9-7-2012	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1149	5-2-2008	Federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1173	2-6-2009	Federally enforceable
RULE 1178	4-7-2006	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1313(g)	12-7-1995	Federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 1402	3-4-2005	Non federally enforceable
RULE 1415	12-3-2010	Non federally enforceable
RULE 1470	5-4-2012	Non federally enforceable
RULE 202	12-3-2004	Non federally enforceable



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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 202	5-7-1976	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 209	1-5-1990	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	5-3-2013	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-1-2012	Non federally enforceable
RULE 304	6-1-2012	Non federally enforceable
RULE 306	6-1-2012	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 462	5-14-1999	Federally enforceable
RULE 463	11-4-2011	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 480	10-7-1977	Federally enforceable



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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 518.2	12-21-2001	Federally enforceable
RULE 63Subpart IIII	4-24-2007	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart K	10-17-2000	Federally enforceable
40CFR 63 Subpart R	4-6-2006	Federally enforceable
40CFR 63 Subpart R, #1 (Major Sources)	12-19-2003	Federally enforceable
40CFR 63 Subpart ZZZZ	1-30-2013	Federally enforceable
40CFR 63SubpartZZZZ	3-9-2011	Federally enforceable
40CFR 82 Subpart B	7-14-1992	Federally enforceable



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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219

NONE



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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.



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APPENDIX B: RULE EMISSION LIMITS

[RULE 1113 07-13-2007]

TABLE OF STANDARDS

VOC LIMITS

**Grams of VOC Per Liter of Coating,
 Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		



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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]**

**TABLE OF STANDARDS (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solid the application of any architectural coating within in the District:
 - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

TABLE OF STANDARDS 1 VOC LIMITS

**Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges ³		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]**

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 09-06-2013]**

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

**TABLE OF STANDARDS 1 (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

**TABLE OF STANDARDS 2
VOC LIMITS FOR COLORANTS**

**Grams of VOC Per Liter of Colorant
Less Water and Less Exempt Compounds**

COLORANT ADDED TO	Limit ⁴
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]**

(I) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		



**FACILITY PERMIT TO OPERATE
 TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 02-01-2008]**

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 02-01-2008]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	



**FACILITY PERMIT TO OPERATE
 TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 05-01-2009]**

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS* VOC g/l (lb/gal)	EFFECTIVE 1/1/2010 VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, VINVALE TERMINAL

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS* VOC g/l (lb/gal)	EFFECTIVE 1/1/2010 VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.



**FACILITY PERMIT TO OPERATE
 TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter ² Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445



**FACILITY PERMIT TO OPERATE
 TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148



**FACILITY PERMIT TO OPERATE
 TESORO LOGISTICS, VINVALE TERMINAL**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100