



South Coast Air Quality Management District

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

February 10, 2015

Timothy Hayes
Director Pipeline & Terminal Operations
1350 Pier B Street
Long Beach, CA 90813

**Subject: Tesoro Logistics Marine Terminal 2 (ID No. 176377)
Title V Facility Permit Renewal**

Dear Mr. Hayes:

Attached is your Title V Facility Permit renewal for Tesoro Logistics Marine Terminal 2, located at 1350 Pier B Street, Long Beach, CA. The proposed Title V permit renewal was submitted to EPA for 45-day review on September 3, 2014, and a public notice was issued on September 10, 2014. No comments were received from EPA. Two comment letters from the Public were received on October 10, 2014, regarding the proposed renewal requested under application no. 559330. The two comment letters and the associated SCAQMD response to those letters were sent to the EPA on January 20, 2015, and no comments were received from the EPA.

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,

A handwritten signature in cursive that reads "Charles Tupper, for".

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

AYL:CDT:KKM

cc: (w/enclosures)
Geraldo Rios, EPA Region IX
Compliance
Central File
TV File A/N 559330



FACILITY PERMIT TO OPERATE

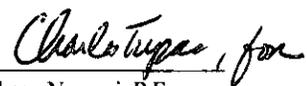
**TESORO LOGISTICS MARINE TERMINAL 2
1350 PIER B ST
LONG BEACH, CA 90813**

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: TESORO LOGISTICS MARINE TERMINAL 2

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1350 PIER B ST
LONG BEACH, CA 90813

MAILING ADDRESS: 1300 PIER B ST
LONG BEACH, CA 90813

RESPONSIBLE OFFICIAL: TIMOTHY HAYES

TITLE: DIRECTOR PIPELINE & TERMINAL OPERATIONS

TELEPHONE NUMBER: (310) 847-5812

CONTACT PERSON: DONNA DIROCCO

TITLE: SENIOR ENVIRONMENTAL SPECIALIST

TELEPHONE NUMBER: (562) 499-2202

TITLE V PERMIT ISSUED: February 10, 2015

TITLE V PERMIT EXPIRATION DATE: February 09, 2020

TITLE V	RECLAIM
YES	NOx: NO SOx: NO CYCLE: 0 ZONE: COASTAL



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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Revision #:	3
Date:	February 10, 2015

**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

**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 Construct and 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 that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMITTED EQUIPMENT LIST

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

Application No.	Permit No.	Equipment Description	Page
558880	G29463	STO. TANK #224 EXT FLOATING ROOF, ORG. LIQ	4
558881	G29464	STO. TANK #225 EXT FLOATING ROOF, ORG. LIQ	5
558882	G29465	STO. TANK #226 EXT FLOATING ROOF, ORG. LIQ	6
558883	G29466	STO. TANK #229 EXT FLOATING ROOF, ORG. LIQ	7
558884	G29467	STO. TANK #233 INT FLOATING ROOF, ORG. LIQ	8
558885	G29468	STO. TANK #227 EXT FLOATING ROOF, ORG. LIQ	9
558886	G29469	STO. TANK #222 EXT FLOATING ROOF, ORG. LIQ.	10
558888	G29470	ICE (50-500HP) EM FIRE FGHT - GASOLINE	11
558891	G29471	STO. TANK #209 INT FLOATING ROOF, ORG. LIQ	12
558892	G29472	STO. TANK #213 INT FLOATING ROOF, ORG. LIQ	13
558893	G29473	STO. TANK #214 INT FLOATING ROOF, ORG. LIQ	15
558894	G29474	STO. TANK #215 INT FLOATING ROOF, ORG. LIQ	16
558895	G29475	STO. TANK #216 INT FLOATING ROOF, ORG. LIQ	17
558896	G29476	STO. TANK #220 DOMED EXT FLOATING ROOF, ORG. LIQ.	18
558897	G29477	STO. TANK #219 DOMED EXT FLOATING ROOF, ORG. LIQ.	19
558898	G29478	STO. TANK #231 EXT FLOATING ROOF, ORG. LIQ.	21
558899	G29479	STO. TANK #232 EXT FLOATING ROOF, ORG. LIQ.	22
558900	G29480	STO. TANK #230 EXT FLOATING ROOF, ORG. LIQ.	23
558903	G29483	STO. TANK #217 DOMED EXT FLOATING ROOF, ORG. LIQ.	24
558905	G29484	STO. TANK #218 DOMED EXT FLOATING ROOF, ORG. LIQ.	26
558910	G29485	STO. TANK #205 EXT FLOATING ROOF, ORG. LIQ	28
558913	G29486	STO. TANK #228 EXT FLOATING ROOF, CRUDE OIL	29
558915	G29487	STO. TANK #221 DOMED EXT FLOATING ROOF, ORG. LIQ.	31
558918	G29489	STO. TANK #203 DOMED EXT FLOATING ROOF, ORG. LIQ.	32
558920	G29490	STO. TANK #202 DOMED EXT FLOATING ROOF, ORG. LIQ.	33
558922	G29491	STO. TANK #201 DOMED EXT FLOATING ROOF, ORG. LIQ.	34
558924	G29492	STO. TANK #223 DOMED EXT FLOATING ROOF, ORG. LIQ.	35
558926	G29493	STO. TANK #204 DOMED EXT FLOATING ROOF, ORG. LIQ.	37
558928	G29494	STO. TANK #206 DOMED EXT FLOATING ROOF, ORG. LIQ.	39
558929	G29495	STO. TANK #207 DOMED EXT FLOATING ROOF, ORG. LIQ.	41
558930	G29496	STO. TANK #208 FIXED ROOF, MISC ORG. MATERIALS	43
558931	G29497	STO. TANK #210 FIXED ROOF, MISC ORG. MATERIALS	44
558932	G29498	STO. TANK #211 FIXED ROOF, MISC ORG. MATERIALS	45
558934	G29499	STO. TANK #212 FIXED ROOF, MISC ORG. MATERIALS	46
558938	G29500	ICE (50-500HP), DIESEL-EMERGENCY FIRE FIGHT	47
558939	G29501	STO. TANK #200 DOMED EXT. FLOATING ROOF, ORG. LIQ.	48
558941	G29502	MARINE BULK LDNG/UNLDN,MISC.HYDROCARB. BERTH 76	50
558942	G29503	MARINE BULK LDNG/UNLDN,MISC.HYDROCARB. BERTH 77	52
558943	G29504	MARINE BULK LDNG/UNLDN,MISC.HYDROCARB. BERTH 78	54
564265	G34439	VAPOR CONTROL SYSTEM, THERMAL OXIDIZER	57
564266	G34436	AIR POLLUTION CONTROL SYSTEM, DEGASSING FLARE	62
564268	G34438	WASTE H2O TREATING > 50,000 GPD	64



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

FACILITY WIDE CONDITION(S)

Condition(s):

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

HAP: 40 CFR63, SUBPART Y (MINOR SOURCES)
VOC: 40CFR63 SUBPART BBBB
VOC: RULE 1173



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29463
A/N 558880**

Equipment Description:

STORAGE TANK NO. 224, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 30'-0"DIA. X 35'-0"H., 5,145 BBL CAPACITY, WELDED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL, AND A SECONDARY SEAL, AND A SIDE ENTERING MIXER WITH A 7.5 H.P. MOTOR.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29464
A/N 558881

Equipment Description:

TANK NO. 225, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 35'-0"DIA. X 30'-0"H., 5,011 BBLs CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND AN SCAQMD APPROVED 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 MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

Permit No. G29465
A/N 558882

Equipment Description:

TANK NO. 226, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 160'-0"DIA. X 40'-0"H., 143,000 BBLs CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND AN SCAQMD APPROVED 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 MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29466
A/N 558883**

Equipment Description:

TANK NO. 229, 160'-0"DIA. X 40'-0"H., 143,000 BBLs CAPACITY, WELDED SHELL, DOUBLE DECK, EXTERNAL FLOATING ROOF, WITH A SHOE TYPE PRIMARY SEAL AND AN SCAQMD APPROVED 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 MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29467
A/N 558884**

Equipment Description:

TANK NO. 233, CAPACITY 20,000 BBLs., 60'-0"DIA. X 40-0"H., WITH FIXED ROOF ("WEATHERMASTER" TYPE) AND INTERNAL SINGLE SEAL—PAN TYPE FLOATING ROOF, WITH JENSEN MIXER, MODEL 525-10, MECHANICAL SEALS AND A 10 H.P. MOTOR.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF MUST NOT EXCEED 50% OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, 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 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29468
A/N 558885**

Equipment Description:

STORAGE TANK NO. 227, EXTERNAL FLOATING-ROOF, DOUBLE DECK TYPE, 160'-0" DIA. X 40'-0" H., 143,000 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND HMT WIPER 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 MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, 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 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29469
A/N 558886**

Equipment Description:

STORAGE TANK NO. 222, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 30'-0" DIA. X 40'-0" H., 4,500-BBL. CAPACITY, WELDED SHELL, WITH HMT WIPER PRIMARY AND SECONDARY SEALS.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT MUST 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 MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, 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 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29470
A/N 558888**

Equipment Description:

INTERNAL COMBUSTION ENGINE, WAUKESHA, GASOLINE-FUELED, MODEL NO. F1197G, SERIAL NO. 57940, 6 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 175 BHP, WITH 1 EXHAUST

Conditions:

- 1) OPERATION OF THIS EQUIPMENT MUST 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 MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES
[RULE 204]
- 3) THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303(a)(1) BACT]
- 4) OPERATING TIME FOR THIS EQUIPMENT SHALL NOT EXCEED 200 HOURS PER YEAR.
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 5) THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING ELAPSED TIME METER TO ACCURATELY INDICATE ELAPSED OPERATING TIME OF THIS ENGINE.
[RULE 1110.2, RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 6) THE OPERATOR SHALL KEEP A WRITTEN LOG TO RECORD THE DATE OF OPERATION, ELAPSED OPERATING TIME, AND REASON FOR OPERATION OF THIS ENGINE.
[RULE 1110.2]

Periodic Monitoring: NONE

Emissions and Requirements:

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

PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)
VOC: 40 CFR 63 SUBPART ZZZZ
VOC: 40 CFR 60 SUBPART JJJJ



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29471
A/N 558891**

Equipment Description:

STORAGE TANK NO 209, INTERNAL PAN FLOATING ROOF, 30'-0" DIA X 30'-0" H, 3800-BARREL CAPACITY, WELDED SHELL, WITH DOUBLE WIPER SEALS.

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) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 16 TURNS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THIS TANK MUST 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]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29472
A/N 558892

Equipment Description:

STORAGE TANK NO. 213, INTERNAL PAN FLOATING ROOF, 60'-0" DIA. X 40'-9" H., 20,000-BARREL CAPACITY, WELDED SHELL, WITH DOUBLE WIPER SEALS.

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) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 52 TURNOVERS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THIS TANK MUST 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]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29473
A/N 558893**

Equipment Description:

STORAGE TANK NO 214, INTERNAL FLOATING PAN ROOF, 60'-0"DIA. X 40'-9"H., 20,000-BARREL CAPACITY, WELDED SHELL, WITH DOUBLE WIPER SEALS.

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) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 52 TURNS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THIS TANK MUST 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]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

Permit No. G29474
A/N 558894

Equipment Description:

STORAGE TANK NO. 215, INTERNAL FLOATING PAN ROOF, 60'-0"DIA. X 40'-9"H., 20,000-BARREL CAPACITY, WELDED SHELL, WITH DOUBLE WIPER SEALS.

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) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 52 TURNS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THIS TANK MUST 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]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29475
A/N 558895**

Equipment Description:

STORAGE TANK NO. 216, 20,000 BBL. CAPACITY, 60'-0" DIA. X 40'-9" H., WELDED SHELL, INTERNAL FLOATING PAN ROOF, WITH DOUBLE WIPER SEALS.

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) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 52 TURNOVERS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THIS TANK MUST 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]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.
[RULE 463]

Periodic Monitoring: NONE

Emissions and Requirements:

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

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29476
A/N 558896

Equipment Description:

STORAGE TANK NO. 220, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 140'-0"DIA. X 40'-0"H., 109,000 BARRELS CAPACITY, WELDED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL, A WIPER TYPE SECONDARY SEAL, AND AN ANTI-ROTATION POLE/PIPE CONNECTED TO A VAPOR COLLECTION DISPOSAL SYSTEM FOR TANK DEGASSING.

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 VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 4) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 100 TURNOVERS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 6) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 7) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. TYPES OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE RANGES OF SUCH LIQUIDS.
 - B. HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK
 - C. OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463 AND 1178
 - D. RECORDS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE 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:
- VOC: RULE 463
 - VOC: RULE 1149
 - VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29477
A/N 558897**

Equipment Description:

STORAGE TANK, NO. 219, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 140'-0" DIA. X 40'-0" H., 109,000 BARRELS CAPACITY, WELDED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL, AND A WIPER TYPE SECONDARY SEAL, AND WITH AN ANTI-ROTATION POLE/PIPE CONNECTED TO A VAPOR COLLECTION DISPOSAL SYSTEM FOR TANK DEGASSING.

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 VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 4) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 100 TURNOVERS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 6) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 7) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. TYPES OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE RANGES OF SUCH LIQUIDS.
 - B. HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK
 - C. OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463 AND 1178
 - D. RECORDS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE 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:
- VOC: RULE 463
 - VOC: RULE 1149
 - VOC: RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29478
A/N 558898**

Equipment Description:

STORAGE TANK NO.231, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 160'-0" DIA. X 40'-0" H., 141,573 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A MATRIX FLEX-SEAL SECONDARY SEAL, AND A VAPOR RECOVERY DEGASSING CONNECTION.

CONDITIONS:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND INSPECTIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 15,330,000 BARREL(S) IN ANY ONE YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 5) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29479
A/N 558899

Equipment Description:

STORAGE TANK NO. 232, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 100'-0" DIA. X 40'-0" H., 55,127 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A MATRIX FLEX-SEAL SECONDARY SEAL, WITH A VAPOR RECOVERY DEGASSING CONNECTION.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND INSPECTIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 6,205,000 BARREL(S) IN ANY ONE YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THE MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 5) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29480
A/N 558900

Equipment Description:

STORAGE TANK NO. 230, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 160'-0" DIA. X 40'-0" H., 143,000 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A SCAQMD-APPROVED SECONDARY SEAL, WITH A VAPOR RECOVERY DEGASSING CONNECTION.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND INSPECTIONS 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 MATERIAL STORED IN THIS EQUIPMENT SHALL HAVE A TRUE VAPOR PRESSURE (TVP) LESS THAN 3 PSIA, EXCEPT WHEN STORING CRUDE OIL, AND THE VOLUME OF CRUDE OIL AND ASSOCIATED WATER STORED IN THIS TANK EXCEEDS 97% BY VOLUME.
[RULE 1178]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29483
A/N 558903**

Equipment Description:

STORAGE TANK NO. 217, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 90'-0" DIA. X 40'-0" H., 44,798 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL, A SECONDARY SEAL, AND A VAPOR RECOVERY DEGASSING CONNECTION.

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) THROUGHPUT TO THIS TANK SHALL NOT EXCEED 2,366,828 BBL PER CALENDAR MONTH.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $V/H_t \times H$, WHERE:

V = VOLUME OF THE TANK IN BARRELS BASED ON THE MOST RECENT VERSION OF API STANDARD 2550,
H_t = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART
H_a = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY LIQUID SURFACE LEVEL MOVEMENT, IN FEET, ON A MONTHLY BASIS.

AN AUTOMATIC TANK LEVEL GAUGE, (ATLG) SHALL BE USED TO CONTINUOUSLY MEASURE THE LIQUID SURFACE LEVEL MOVEMENT. THE ATLG SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING IT AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 0.8 PERCENT, THE ATLG SHALL BE REPAIRED. WHILE THE ATLG IS BEING REPAIRED, THROUGHPUT SHALL BE DETERMINED BY HOURLY TANK LEVEL DATA AVERAGED FOR THE PREVIOUS 30 DAYS, PRIOR TO DISCOVERY OF THE DISCREPANCY.

[RULE 463, RULE 1303(b)(2) OFFSETS]

4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 5). THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION 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, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. TYPES OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE RANGES OF SUCH LIQUIDS.
 - B. HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK
 - C. OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463, 1149, AND 1178
 - D. RECORDS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- RULE 463
 - RULE 1149
 - RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29484
A/N 558905**

Equipment Description:

STORAGE TANK NO. 218, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 90'-0"DIA. X 40'-0" H., 44,798 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL, A SECONDARY SEAL, AND A VAPOR RECOVERY DEGASSING CONNECTION.

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) THROUGHPUT TO THIS TANK SHALL NOT EXCEED 2,366,828 BBL PER CALENDAR MONTH.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $V/H_1 \times H$, WHERE:

- V = VOLUME OF THE TANK IN BARRELS BASED ON THE MOST RECENT VERSION OF API STANDARD 2550,
- H₁ = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART
- H_a = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY LIQUID SURFACE LEVEL MOVEMENT, IN FEET, ON A MONTHLY BASIS.

AN AUTOMATIC TANK LEVEL GAUGE, (ATLG) SHALL BE USED TO CONTINUOUSLY MEASURE THE LIQUID SURFACE LEVEL MOVEMENT. THE ATLG SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING IT AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 0.8 PERCENT, THE ATLG SHALL BE REPAIRED. WHILE THE ATLG IS BEING REPAIRED, THROUGHPUT SHALL BE DETERMINED BY HOURLY TANK LEVEL DATA AVERAGED FOR THE PREVIOUS 30 DAYS, PRIOR TO DISCOVERY OF THE DISCREPANCY.

[RULE 463, RULE 1303(b)(2) OFFSETS]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 4) ~~DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.~~
[RULE 1149, RULE 1303(a)(1) BACT]
- 5). THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION 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, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. TYPES OF LIQUID STORED, THROUGHPUT, AND TRUE VAPOR PRESSURE RANGES OF SUCH LIQUIDS.
 - B. HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK
 - C. OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463 AND 1178
 - D. RECORDS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- RULE 463
 - RULE 1149
 - RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29485
A/N 558910**

Equipment Description:

STORAGE TANK NO. 205, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 78'-0"DIA. X 40'-6"H., 32,500 BBL CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND 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) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 2.9 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS. VAPOR PRESSURE SHALL BE MEASURED ACCORDING TO ASTM METHOD D-323-82 OR CALIFORNIA CODE OF REGULATIONS, TITLE 13, SECTION 2297.
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. MATERIALS BEING STORED.
 - B. VAPOR PRESSURE
 - C. DATE MATERIAL IS STOREDRECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463]

Periodic Monitoring: NONE

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29486
A/N 558913**

Equipment Description:

STORAGE TANK NO. 228, EXTERNAL FLOATING ROOF, PONTOON TYPE, 160'-0" DIA. X 40'-0" H., 141,865 BARRELS CAPACITY, WELDED SHELL, WITH CATEGORY A SEALS, MECHANICAL SHOE PRIMARY SEAL AND RIM MOUNTED SECONDARY SEAL, WITH AN ANTI-ROTATION POLE/PIPE CONNECTED TO A VAPOR COLLECTION DISPOSAL SYSTEM FOR TANK DEGASSING.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE OPERATOR SHALL ONLY STORE CRUDE OIL IN THIS TANK.
[RULE 204]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 520,172 BARRELS IN ANY ONE CALENDAR MONTH. A FLOW METER OR EQUIVALENT MEASURING DEVICE, AND A CONTINUOUS RECORDER SHALL BE INSTALLED AND RECORDS MAINTAINED IN A MANNER APPROVED BY AQMD, TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
 - A. TYPES OF LIQUID, THROUGHPUT, AND TRUE VAPOR PRESSURE RANGES FOR SUCH LIQUID.
 - B. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

- 6) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

- 7) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- RULE 463
 - RULE 1149
 - RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29487
A/N 558915**

Equipment Description:

STORAGE TANK NO. 221, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 90'-0" DIA. X 40'-0" H., 45,200 BBL. CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL, AND A SCAQMD APPROVED SECONDARY SEAL, UNSLOTTED GUIDEPOLE AND GASKETED SLIDING COVER.

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 VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463 AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

RULE 463
RULE 1149
RULE 1178



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29489
A/N 558918

Equipment Description:

STORAGE TANK NO. 203, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 144'-0" DIA. X 40'-6"H., 118,000 BBL. CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL, A SCAQMD APPROVED SECONDARY SEAL, AND A VAPOR RECOVERY DEGASSING CONNECTION..

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) THROUGH PUT TO THIS TANK SHALL NOT EXCEED 17,700,000 BBLs. PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 6) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
RULE 463
RULE 1149
RULE 1178



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29490
A/N 558920

Equipment Description:

STORAGE TANK NO. 202, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 144'-0" DIA. X 40'-0" H., 115,000 BBL. CAPACITY, RIVETED SHELL, WITH A WIPER SEAL WITH FOUR VAPOR BARRIER BAFFLES, A RIM-MOUNTED SECONDARY SEAL, INTERNAL STEAM HEATING COILS, AND A VAPOR RECOVERY DEGASSING CONNECTION..

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) THROUGH PUT TO THIS TANK SHALL NOT EXCEED 17,250,000 BBLS. PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

- 6) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
RULE 463
RULE 1149
RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29491
A/N 558922**

Equipment Description:

STORAGE TANK NO. 201, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 144'-0" DIA. X 40'-6"H., 115,200 BBL. CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL, SECONDARY SEAL, AN INTERNAL HEATING COIL, AND A VAPOR RECOVERY DEGASSING CONNECTION..

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) THROUGH PUT TO THIS TANK SHALL NOT EXCEED 17,280,000 BBL. PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions and Requirements:

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

RULE 463
RULE 1149
RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29492
A/N 558924**

Equipment Description:

STORAGE TANK NO. 223, PONTOON FLOATING ROOF WITH A GEODESIC DOME COVER, 160'-0" DIA. X 40'-0"H., 141,000 BBL. CAPACITY, WELDED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL, AND A SINGLE LAYER WELDED WIPER TYPE SECONDARY SEAL, WITH AN ANTI-ROTATIONAL POLE/PIPE CONNECTED TO A VAPOR COLLECTION DISPOSAL SYSTEM FOR TANK DEGASSING.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO THE TANK TO 100 TURNS PER YEAR.
[RULE 1303(b)(2) OFFSETS]
- 4) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 6) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 7) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

Periodic Monitoring: NONE

Emissions and Requirements:

8) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

- RULE 463
- RULE 1149
- RULE 1178



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29493
A/N 558926**

Equipment Description:

STORAGE TANK NO. 204, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 78'-0"DIA. X 40'-6"H., 32,500 BBL CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND 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 LIMIT THE THROUGHPUT TO NO MORE THAN 304,168 BARRELS IN ANY ONE CALENDAR MONTH.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $V/H_t \times H$, WHERE:

V = VOLUME OF THE TANK IN BARRELS BASED ON THE MOST RECENT VERSION OF API STANDARD 2550,
H_t = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART
H_a = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY LIQUID SURFACE LEVEL MOVEMENT, IN FEET, ON A MONTHLY BASIS.

AN AUTOMATIC TANK LEVEL GAUGE, (ATLG) SHALL BE USED TO CONTINUOUSLY MEASURE THE LIQUID SURFACE LEVEL MOVEMENT. THE ATLG SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING IT AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 0.8 PERCENT, THE ATLG SHALL BE REPAIRED. WHILE THE ATLG IS BEING REPAIRED, THROUGHPUT SHALL BE DETERMINED BY HOURLY TANK LEVEL DATA AVERAGED FOR THE PREVIOUS 30 DAYS, PRIOR TO DISCOVERY OF THE DISCREPANCY.

[RULE 1303(b)(2) OFFSETS]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

- 4) 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. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]

- 5) DISPLACED VAPORS GENERATED DURING TANK DEGASSING AND REFILLING OPERATIONS SHALL BE VENTED TO A VAPOR DEGASSING UNIT WHICH SHALL BE IN FULL USE AND OPERATING IN ACCORDANCE WITH A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]

- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. MATERIALS BEING STORED.
 - B. VAPOR PRESSURE
 - C. DATE MATERIAL IS STOREDRECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463]

Periodic Monitoring: NONE

Emissions And Requirements:

- 7) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29494
A/N 558928

Equipment Description:

STORAGE TANK NO. 206, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 78'-0"DIA. X 40'-6"H., 32,500 BBL CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL, AND TANK DEGASSING CONNECTION.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 3,262,200 BARRELS IN ANY ONE CALENDAR MONTH.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $V/H_1 \times H$, WHERE:

V = VOLUME OF THE TANK IN BARRELS BASED ON THE MOST RECENT VERSION OF API STANDARD 2550,
H₁ = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART
H_a = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY LIQUID SURFACE LEVEL MOVEMENT, IN FEET, ON A MONTHLY BASIS.

AN AUTOMATIC TANK LEVEL GAUGE, (ATLG) SHALL BE USED TO CONTINUOUSLY MEASURE THE LIQUID SURFACE LEVEL MOVEMENT. THE ATLG SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING IT AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 0.8 PERCENT, THE ATLG SHALL BE REPAIRED. WHILE THE ATLG IS BEING REPAIRED, THROUGHPUT SHALL BE DETERMINED BY HOURLY TANK LEVEL DATA AVERAGED FOR THE PREVIOUS 30 DAYS, PRIOR TO DISCOVERY OF THE DISCREPANCY.

[RULE 1303(b)(2) OFFSETS]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 4) 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. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) DISPLACED VAPORS GENERATED DURING TANK DEGASSING AND REFILLING OPERATIONS SHALL BE VENTED TO A VAPOR DEGASSING UNIT WHICH SHALL BE IN FULL USE AND OPERATING IN ACCORDANCE WITH A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. MATERIALS BEING STORED.
 - B. VAPOR PRESSURE
 - C. DATE MATERIAL IS STOREDRECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463]

Periodic Monitoring: NONE

Emissions And Requirements:

- 7) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29495
A/N 558929**

Equipment Description:

STORAGE TANK NO. 207, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 78'-0"DIA. X 40'-6"H., 32,500 BBL CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL, AND TANK DEGASSING CONNECTION.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 3,262,200 BARRELS IN ANY ONE CALENDAR MONTH.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $V/H_t \times H$, WHERE:

V = VOLUME OF THE TANK IN BARRELS BASED ON THE MOST RECENT VERSION OF API STANDARD 2550,
H_t = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART
H_a = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY LIQUID SURFACE LEVEL MOVEMENT, IN FEET, ON A MONTHLY BASIS.

AN AUTOMATIC TANK LEVEL GAUGE, (ATLG) SHALL BE USED TO CONTINUOUSLY MEASURE THE LIQUID SURFACE LEVEL MOVEMENT. THE ATLG SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING IT AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 0.8 PERCENT, THE ATLG SHALL BE REPAIRED. WHILE THE ATLG IS BEING REPAIRED, THROUGHPUT SHALL BE DETERMINED BY HOURLY TANK LEVEL DATA AVERAGED FOR THE PREVIOUS 30 DAYS, PRIOR TO DISCOVERY OF THE DISCREPANCY.

[RULE 1303(b)(2) OFFSETS]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 4) 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. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) DISPLACED VAPORS GENERATED DURING TANK DEGASSING AND REFILLING OPERATIONS SHALL BE VENTED TO A VAPOR DEGASSING UNIT WHICH SHALL BE IN FULL USE AND OPERATING IN ACCORDANCE WITH A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 6) NOTWITHSTANDING THE REQUIREMENTS OF SECTION E CONDITIONS, THE OPERATOR SHALL NOT USE CONNECTION TO A VAPOR DEGASSING UNIT IF THE TANK IS NOT UNDERGOING DEGASSING OR REFILLING OPERATIONS.
[RULE 1149, RULE 1303(a)(1) BACT]
- 7) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. MATERIALS BEING STORED.
 - B. VAPOR PRESSURE
 - C. DATE MATERIAL IS STOREDRECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463]
- 8) THIS EQUIPMENT SHALL BE EQUIPPED WITH A VAPOR RECOVERY DEGASSING CONNECTION.
[RULE 1149]

Periodic Monitoring: NONE

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

Permit No. G29496
A/N 558930

Equipment Description:

STORAGE TANK NO. 208, FIXED ROOF, 30'-0"DIA. X 23'-9"H., 3000 BBL 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) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 3,250 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. THROUGHPUT
 - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
 - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

Permit No. G29497
A/N 558931

Equipment Description:

STORAGE TANK NO. 210, FIXED ROOF, 18'-0"DIA. X 23'-9"H., 1000 BBL 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) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.
[RULE 1178, RULE 1303(B)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 5,000 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. THROUGHPUT
 - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
 - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions And Requirements:

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

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



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29498
A/N 558932**

Equipment Description:

STORAGE TANK NO. 211, FIXED ROOF, 18'-0"DIA. X 23'-9"H., 1000 BBL 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) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 5,000 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. THROUGHPUT
 - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
 - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

Emissions And Requirements:

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

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29499
A/N 558934

Equipment Description:

STORAGE TANK NO. 212, FIXED ROOF, 18'-0"DIA. X 23'-9"H., 1000 BBL 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) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 5,000 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
 - A. THROUGHPUT
 - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
 - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, 1149, 1178]

Periodic Monitoring: NONE

Emissions And Requirements:

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

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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29500
A/N 558938

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. CPF83-F40, SERIAL NO. 46647914, DIESEL FIRED, FOUR CYCLE, SIX CYLINDER, TURBOCHARGED AND AFTERCOOLED, RATED AT 288 BHP, DRIVING AN EMERGENCY FIRE PUMP.

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) A NON-RESETTABLE , TOTALIZING HOUR METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE'S ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 4) THIS ENGINE SHALL NOT BE OPERATED FOR MORE THAN 199 HOURS IN ANY ONE CALENDAR YEAR.
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 5) AN ENGINE OPERATING LOG SHALL BE KEPT TO RECORD WHEN THE ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE HOUR METER READINGS AT THE START AND END OF OPERATION, THE ELAPSED TIME IN HOURS, AND THE REASON FOR OPERATION. RECORDS FOR THE MOST RECENT FIVE YEAR PERIOD SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1470, RULE 1110.2]

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
VOC: 40 CFR 63 SUBPART ZZZZ
VOC: 40 CFR 60 SUBPART III



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29501
A/N 558939**

Equipment Description:

STORAGE TANK NO. 200, 25'-0" DIA. X 26'-0" H., 84,000 GALLONS CAPACITY, WELDED SHELL, DOMED, EXTERNAL DOUBLE DECK FLOATING ROOF TANK WITH A MECHANICAL SHOE PRIMARY SEAL AND A RIM MOUNTED 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) THE THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 10,000 BBL PER MONTH. THE OPERATOR SHALL KEEP RECORDS TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
 - A. HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK.
 - B. COMMODITY STORED AND DATES OF STORAGE.
 - C. TRUE VAPOR PRESSURE, IN PSIA, AT ACTUAL TEMPERATURE, OF EACH COMMODITY STORED.
 - D. SEMI-ANNUAL TANK INSPECTIONS AND OTHER RECORDS THAT ARE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 463, 1178, AND 40CFR60 SUBPART Ka.
 - F. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, RULE 1149, RULE 1178, 40CFR60 SUBPART Ka]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

Periodic Monitoring: NONE

Emissions and Requirements:

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

RULE 463
RULE 1149
RULE 1178
40 CFR 60 SUBPART Ka



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G29502
A/N 558941**

Equipment Description:

TANKER LOADING/UNLOADING FACILITY (BERTH 76. MARINE TERMINAL NO. 2) CONSISTING OF:

1. MARINE LOADING/UNLOADING ARM NO. 1, CHIKSAN, 8" TYPE HMLA, HYDRAULICALLY CONTROLLED.
2. MARINE LOADING/UNLOADING ARM NO. 2, CHIKSAN, 8" TYPE HMLA, HYDRAULICALLY CONTROLLED.
3. MARINE LOADING/UNLOADING ARM NO. 3, CHIKSAN, 8" TYPE HMLA, HYDRAULICALLY CONTROLLED.
4. MARINE LOADING/UNLOADING ARM NO. 4, CHIKSAN, 8" TYPE HMLA, HYDRAULICALLY CONTROLLED.
5. MARINE LOADING/UNLOADING ARM NO. 5, CHIKSAN. 8" TYPE HMLA, HYDRAULICALLY CONTROLLED.
6. MARINE LOADING/UNLOADING ARM NO. 6, CHIKSAN, 8" TYPE DCMA.
7. ELEVEN LOADING/UNLOADING POINTS, FLEXIBLE DOCK HOSE TYPE.
8. HYDRAULIC SYSTEM PUMP (SERVING MARINE LOADING-UNLOADING ARMS, 1, 2, 3, 4, AND 5), VICKERS, VANE TYPE, WITH A 7.5 H.P. MOTOR.
9. CARGO PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
10. CARGO PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 250 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
11. CARGO PUMP NO. 3, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 250 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
12. CARGO PUMP NO. 4, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
13. CARGO PUMP NO. 5, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
14. CARGO PUMP NO. 6, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
15. CARGO PUMP NO. 7, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 30 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
16. CARGO PUMP NO. 8, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
17. CARGO PUMP NO. 10, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
18. CARGO PUMP NO. 11, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

19. CARGO PUMP NO. 12, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
20. CARGO PUMP NO. 24, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
21. CARGO PUMP NO. 25, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
22. CRUDE PUMP NO. 1, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
23. CRUDE PUMP NO. 2, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
24. CRUDE PUMP NO. 3, ALLIS CHALMERS, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 600 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
25. CRUDE PUMP NO. 4, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
26. CRUDE PUMP NO. 5, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
27. BUNKER "C" PUMP NO. 21, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 77, 78, AND BERTH 121 AT PIER "T").
28. BUNKER "C" PUMP NO. 22, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 77, 78, AND BERTH 121 AT PIER "T").
29. H.P. TRANSFER PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
30. H.P. TRANSFER PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).

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 USED FOR LOADING CARGO ONTO A VESSEL UNLESS IT IS VENTED TO AN AQMD PERMITTED VAPOR RECOVERY AND CONTROL SYSTEM THAT IS IN FULL OPERATION.
[RULE 1142]

Periodic Monitoring: NONE

Emissions and Requirements:

- 4) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1142



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29503
A/N 558942

Equipment Description:

TANKER LOADING-UNLOADING FACILITY (BERTH 77, MARINE TERMINAL NO. 2) CONSISTING OF:

1. MARINE LOADING-UNLOADING ARM NO. 1, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED
2. MARINE LOADING-UNLOADING ARM NO. 2, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED
3. MARINE LOADING-UNLOADING ARM NO. 3, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED
4. MARINE LOADING-UNLOADING ARM NO. 4, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED
5. MARINE LOADING-UNLOADING ARM NO. 5, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED
6. MARINE LOADING-UNLOADING ARM NO. 6, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED
7. EIGHT LOADING-UNLOADING POINTS, FLEXIBLE DOCK HOSE TYPE.
8. HYDRAULIC SYSTEM PUMP (SERVING MARINE LOADING - UNLOADING ARMS, 1, 2, 3, 4, 5, AND 6), VICKERS, VANE TYPE, WITH A 7.5 H.P. MOTOR.
9. CARGO PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
10. CARGO PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
11. CARGO PUMP NO. 3, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
12. CARGO PUMP NO. 4, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
13. CARGO PUMP NO. 5, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
14. CARGO PUMP NO. 6, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
15. CARGO PUMP NO. 7, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 30 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
16. CARGO PUMP NO. 8, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
17. CARGO PUMP NO. 10, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

18. CARGO PUMP NO. 11, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
19. CARGO PUMP NO. 12, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
20. CARGO PUMP NO. 24, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
21. CARGO PUMP NO. 25, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
22. CRUDE PUMP NO. 1, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
23. CRUDE PUMP NO. 2, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
24. CRUDE PUMP NO. 3, ALLIS CHALMERS, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 600 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
25. CRUDE PUMP NO. 4, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
26. CRUDE PUMP NO. 5, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
27. BUNKER "C" PUMP NO. 21, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 78, AND BERTH 121 AT PIER "T").
28. BUNKER "C" PUMP NO. 22, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 78, AND BERTH 121 AT PIER "T").
29. H.P. TRANSFER PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
30. H.P. TRANSFER PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).

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 USED FOR LOADING CARGO ONTO A VESSEL UNLESS IT IS VENTED TO AN AQMD PERMITTED VAPOR RECOVERY AND CONTROL SYSTEM THAT IS IN FULL OPERATION.
[RULE 1142]

Periodic Monitoring: NONE

Emissions and Requirements:

- 4) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1142



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G29504
A/N 558943

Equipment Description:

TANKER LOADING—UNLOADING FACILITY (BERTH 78, MARINE TERMINAL NO. 2), CONSISTING OF:

1. MARINE LOADING-UNLOADING ARM NO. 1, CHIKSAN, 12 HLMA TYPE, HYDRAULICALLY CONTROLLED.
2. MARINE LOADING—UNLOADING ARM NO. 2, CHIKSAN, 12" HLMA TYPE, HYDRAULICALLY CONTROLLED.
3. MARINE LOADING-UNLOADING ARM NO. 3, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED.
4. MARINE LOADING-UNLOADING ARM NO. 4, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED.
5. MARINE LOADING—UNLOADING ARM NO. 5, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED.
6. MARINE LOADING-UNLOADING ARM NO. 6, CHIKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED.
7. MARINE LOADING—UNLOADING ARM NO. 7, CHICKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED.
8. MARINE LOADING—UNLOADING ARM NO. 8, CHICKSAN, 8" PANTOGRAPHIC TYPE, HYDRAULICALLY CONTROLLED.
9. EIGHT LOADING—UNLOADING POINTS, FLEXIBLE DOCK HOSE TYPE.
10. HYDRAULIC SYSTEM PUMP NO. 1 (SERVING MARINE LOADING-UNLOADING ARMS, 1, 2, AND 3), VICKERS, VANE TYPE, WITH A 7.5 H.P. MOTOR.
11. HYDRAULIC SYSTEM PUMP NO. 2 (SERVING MARINE LOADING—UNLOADING ARMS, 4, 5, 6, 7 AND 8), VICKERS, VANE TYPE, WITH A 7.5 H.P. MOTOR.
12. CARGO PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
13. CARGO PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
14. CARGO PUMP NO. 3, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
15. CARGO PUMP NO. 4, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
16. CARGO PUMP NO. 5, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
17. CARGO PUMP NO. 6, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

18. CARGO PUMP NO. 7, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 30 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
19. CARGO PUMP NO. 8, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
20. CARGO PUMP NO. 10, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
21. CARGO PUMP NO. 11, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
22. CARGO PUMP NO. 12, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
23. CARGO PUMP NO. 24, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
24. CARGO PUMP NO. 25, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
25. CRUDE PUMP NO. 1, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
26. CRUDE PUMP NO. 2, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
27. CRUDE PUMP NO. 3, ALLIS CHALMERS, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 600 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
28. CRUDE PUMP NO. 4, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 77)
29. CRUDE PUMP NO. 5, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
30. BUNKER "C" PUMP NO. 21, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 77, AND BERTH 121 AT PIER "T").
31. BUNKER "C" PUMP NO. 22, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 77, AND BERTH 121 AT PIER "T").
32. H.P. TRANSFER PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
33. H.P. TRANSFER PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).

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]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- 3) THIS EQUIPMENT SHALL NOT BE USED FOR LOADING CARGO ONTO A VESSEL UNLESS IT IS VENTED TO AN AQMD PERMITTED VAPOR RECOVERY AND CONTROL SYSTEM THAT IS IN FULL OPERATION.
[RULE 1142]

Periodic Monitoring: NONE

Emissions and Requirements:

- 4) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 1142



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

PERMIT TO OPERATE

Permit No. G34439
A/N 564265

Equipment Description:

MARINE TERMINAL VAPOR CONTROL SYSTEM (THERMAL OXIDIZER SERVING BERTHS 76, 77, &78)
CONSISTING OF:

1. THERMAL OXIDIZER UNIT, CALLIDUS, 12'-0" DIA. X 5'-8" H. FIREBOX, 180 MMBTU/HR MAXIMUM RATING WITH THREE NATURAL GAS BURNERS, A 12" DIA. DETONATION ARRESTOR, AND A 12'-0" DIA. X 68'-0" H. EXHAUST STACK.
2. NITROGEN GENERATOR, 50 SCFM.
3. HYDROCARBON VAPOR COLLECTION ARMS (3), EQUIPPED WITH 6" DIA. VAPOR HOSES, TWO 10" DIA. AND ONE 8" DIA. DETONATION ARRESTORS.
4. BLOWER KNOCKOUT DRUM, 3'-0" DIA. X 8'-6" H., 250 GALLON CAPACITY.
5. BLOWER KNOCKOUT DRUM PUMP.
6. THREE HYDROCARBON VAPOR BLOWERS, 976 ACFM, 75 HP EACH, WITH SEAL AREA PASSIVELY VENTED BY TWO CARBON ADSORBERS, IN SERIES EACH CONTAINING A MINIMUM OF 225 POUNDS CARBON.
7. LIQUID SEAL DRUM, 4'-0" DIA. X 10'-0" H., 400 GALLON CAPACITY
8. LIQUID SEAL DRUM PUMP.
9. OXYGEN ANALYZERS (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 OPERATOR SHALL CONDUCT SOURCE TESTS OF THE THERMAL OXIDIZER AS FOLLOWS:
 - A. A TEST PROTOCOL SHALL BE SUBMITTED TO THE AQMD REFINERY AND WASTE MANAGEMENT UNIT NO LATER THAN 60 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER OF THE DISTRICT BEFORE THE TEST COMMENCES. AN APPROPRIATE PROTOCOL THAT HAS BEEN PREVIOUSLY APPROVED BY THE DISTRICT MAY BE USED.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

- B. THE TEST SHALL BE CONDUCTED AFTER ACHIEVING 80% OF THE MAXIMUM LIQUID LOADING RATE INTO A MARINE TANK VESSEL AND DURING THE TRANSFER OF THE LAST 50% OF THE TOTAL LIQUID CARGO.
- C. SAMPLE PORTS SHALL BE LOCATED AT THE INLET AND EXHAUST OF THE AFTERBURNER AND SHALL COMPLY WITH DISTRICT RULE 217.
- D. THE DISTRICT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 5 DAYS PRIOR TO THE TEST.
- E. THE TEST SHALL DETERMINE AND THE TEST REPORT SHALL INCLUDE:
1. THE TOTAL VOC IN PPM AND MASS FLOW RATE AT THE INLET OF THE AFTERBURNER.
 2. THE MASS EMISSION RATES OF VOC AT THE EXHAUST OF THE AFTERBURNER.
 3. THE CONTROL EFFICIENCY OF THE AFTERBURNER, AND THE TOTAL VOC EMISSION RATE IN POUNDS PER 1000 BBL. LOADED.
 4. THE LIQUID CARGO LOADING RATE IN BARRELS PER HOUR DURING THE SOURCE TEST.
 5. CO CONCENTRATION, IN PPMV AT THE EXHAUST OF THE AFTERBURNER
 6. PM EMISSIONS IN 0.1 GR/SCF, AT THE EXHAUST OF THE AFTERBURNER.
- F. A TEST REPORT SHALL BE SUBMITTED TO THE AQMD NO LATER THAN 180 DAYS AFTER THE TEST DATE. THE TEST REPORT INCLUDE INFORMATION REGARDING THE PRIOR CARGO CARRIED BY THE RECEIVING MARINE TANK VESSELS AND THE CONDITION OF THE TANKS PRIOR TO BEING LOADED, I.E., CLEANED, CRUDE OIL WASHED, GAS FREED, ETC.
[RULE 204, RULE 407, RULE 409, RULE 1142]
- 4) FOR ANY LOW VAPOR PRESSURE ORGANIC LIQUID CARGO LOADING, LIGHTERING, BALLASTING, AND HOUSEKEEPING EVENTS, VOC EMISSION LIMITS SPECIFIED IN RULE 1142 SHALL BE MEASURED IN ACCORDANCE WITH TEST METHODS SPECIFIED IN RULE 1142. AFTER THE COMPLIANCE OF A SPECIFIC LOW VAPOR PRESSURE ORGANIC LIQUID HAS BEEN DETERMINED BY THE APPROVED SOURCE TEST, THE DISTRICT MAY ALLOW SUCH LOADING EVENT WITHOUT VENTING TO THE AFTERBURNER, BUT WITH CONDITIONS IMPOSED SUCH AS VAPOR PRESSURE, LOADING TEMPERATURE, AND THE CONDITION FOR THE RECEIVING MARINE TANKS.
[RULE 1142]
- 5) THE OPERATOR SHALL COMPLY WITH THE REQUIREMENTS OF RULE 480 REGARDING NATURAL GAS FIRED CONTROL EQUIPMENT.
[RULE 480]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

Periodic Monitoring:

- 6) THE OPERATOR SHALL CONDUCT A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS PURSUANT TO THE REQUIREMENTS OF CONDITION NO. 3.
[RULE 1142, RULE 3004(a)(4) PERIODIC MONITORING]

- 7) WHENEVER THE THERMAL OXIDIZER IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES FAHRENHEIT (ON A 15 MINUTE AVERAGE) SHALL BE MAINTAINED IN THE COMBUSTION CHAMBER EXCEPT FOR PERIODS OF START-UP AND SHUTDOWN. START-UP IS DEFINED WHEN THE VAPOR VALVE BEGINS TO OPEN TO THE TIME WHEN 1400 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.
[RULE 1142, RULE 3004(a)(4) PERIODIC MONITORING]

- 8) THE OPERATOR SHALL INSTALL, OPERATE AND MAINTAIN DEVICES FOR MEASURING AND CONTINUOUSLY RECORDING THE COMBUSTION CHAMBER TEMPERATURE IN DEGREES FAHRENHEIT AS FOLLOWS:
 - A. A DIGITAL READOUT OF THE TEMPERATURE SHALL BE IN A LOCATION ACCESSIBLE TO DISTRICT PERSONNEL.
 - B. THE TEMPERATURE MEASURING AND RECORDING DEVICES SHALL BE CALIBRATED AT LEAST ONCE EVERY YEAR IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, SUCH THAT THE OVERALL ACCURACY IS IN WITHIN PLUS OR MINUS ONE PERCENT OF ACTUAL VALUE.
 - C. DATA SHALL BE ARCHIVED ELECTRONICALLY TO NONVOLATILE DATA STORAGE. INSTANTANEOUS READING SHALL BE RECORDED AT A FREQUENCY OF NOT LESS THAN ONCE PER MINUTE. THE ELECTRONIC DATA STORAGE SYSTEM SHALL BE CAPABLE OF DISPLAYING AND PRINTING THE COMBUSTION CHAMBER TEMPERATURE WITHIN 3 HOURS OF A REQUEST
[RULE 1142, RULE 3004(a)(4) PERIODIC MONITORING]

- 9) VOC CONCENTRATIONS IN THE VENT GAS AT THE OUTLET OF THE PRIMARY CARBON ADSORBER, AND AT THE OUTLET OF THE SECONDARY ADSORBER SHALL BE MEASURED AT LEAST ONCE EACH MONTH WITH AN OVA IN ACCORDANCE WITH EPA METHOD 21.
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

- 10) WHEN THE HYDROCARBON MONITOR READING INDICATES A CONCENTRATION OF 500 PPMV, AS METHANE, AT THE OUTLET OF THE SECONDARY CARBON ADSORBER, BOTH THE PRIMARY CARBON ADSORBER AND SECONDARY CARBON ADSORBER SHALL BE REPLACED WITH NEW CARBON ADSORBERS CONTAINING FRESH GRANULATED ACTIVATED CARBON.

ALL SPENT CARBON SHALL BE KEPT IN VAPOR TIGHT CONTAINERS AND DISPOSED OF AT A LICENSED RECYCLER. RECORDS OF CARBON REPLACEMENT AND DISPOSAL SHALL BE KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

Emissions and Requirements:

- 11) THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - CO: 2000 PPMV, RULE 407
 - PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)
 - PM: 0.1 GR/SCF, RULE 409
 - VOC: 2 LBS/1000 BARRELS OF ORGANIC LIQUID LOADED, OR 95% DESTRUCTION EFFICIENCY, RULE 1142

- 12) THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:
 - A. THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER SHALL BE MAINTAINED AT A MINIMUM OF 1400 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 1400 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.
 - 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 THERMAL OXIDIZER PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN +/- 1% 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, A DEVIATION SHALL BE DEFINED AS WHEN A TEMPERATURE OF LESS THAN 1400 DEGREES FAHRENHEIT OCCURS WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN AN DEVIATION OCCURS.
 - D. WHENEVER AN DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH AN DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE TEMPERATURE WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER AT OR ABOVE 1400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

- E. ALL DEVIATIONS 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 DEVIATIONS 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 DEVIATIONS 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 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G34436
A/N 564266**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM SERVING FLOATING ROOF TANK NOS. 201, 202, 203, 206, 207, 217, 218, 219, 220, 223, 228, 230, 231, AND 232 DURING DEGASSING AND REFILLING OPERATIONS, CONSISTING OF THE FOLLOWING:

1. VAPOR COMBUSTOR FLARE, ENCLOSED GROUND LEVEL TYPE, 6'-0" W. X 15'-0" L., MAXON VEE TYPE HASTALLOY EXCESS BURNERS RATED AT 20 MMBTU/HR TOTAL HEAT INPUT AT 700 CFM, NATURAL GAS ASSISTED, WITH AN EXHAUST STACK, 5'-6" DIA. X 25'-0" H.
2. EQUALIZER TANK EQUIPPED WITH A 5 HP SUBMERGED PUMP WITH A FLOW RATE OF 175 GPM AT 30 PSI, HIGH FLOAT/LOW FLOAT SWITCH AND EQUALIZER FLAME ARRESTOR.
3. VAPOR BLOWER, 15 HP TEFC MOTOR, RATED AT 500 – 700 CFM.
4. COMBUSTION AIR BLOWER, WITH DUAL SPEED 20 HP TEFC MOTOR, 14,000 CFM AT 1800 RPM.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THIS EQUIPMENT SHALL VENT STORAGE TANKS NOS. 201, 202, 203, 206, 207, 217, 218, 219, 220, 223, 228, 230, 231, AND 232 DURING TANK DEGASSING AND REFILLING OPERATIONS UNTIL THE TANK ROOFS ARE FLOATING.
[RULE 1149, RULE 1303(a)(1) BACT]
- 4) WITH PRIOR APPROVAL FROM THE EXECUTIVE OFFICER, THIS EQUIPMENT MAY BE REPLACED BY A CONTRACTOR WITH AN EQUIVALENT AIR POLLUTION CONTROL DEVICE FOR DEGASSING OPERATION.
[RULE 1149]
- 5) THE OPERATOR SHALL MAINTAIN AN OPERATING RECORD OF THE VAPOR DEGASSING UNIT, WHICH INCLUDES BUT IS NOT LIMITED TO THE SCHEDULE OF DEGASSING AND REFILLING THE TANKS, THE PRODUCT BEING REFILLED AND THE TIME THAT THE DEGASSING UNIT IS IN OPERATION. SUCH RECORDS SHALL BE KEPT AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1149]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

Periodic Monitoring:

- 6) THE FLARE SHALL BE OPERATED AT A TEMPERATURE OF AT LEAST 1400 DEGREES FAHRENHEIT AND 0.5 SECONDS RESIDENCE TIME, OR AT AN EFFICIENCY OF AT LEAST 95%, EXCEPT FOR PERIODS OF START-UP AND SHUTDOWN. START-UP IS DEFINED WHEN THE VAPOR VALVE BEGINS TO OPEN TO THE TIME WHEN 1400 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.

A CONTINUOUSLY RECORDING TEMPERATURE MEASURING DEVICE, ACCURATE TO PLUS OR MINUS ONE PERCENT SHALL BE INSTALLED TO INDICATE THE OPERATING TEMPERATURE OF THE FLARE. TEMPERATURE RECORDS SHALL BE KEPT ON FILE AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST. THE TEMPERATURE MEASURING DEVICE SHALL BE CALIBRATED AT LEAST ONCE EVERY YEAR.

[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

- 7) A SOURCE TEST SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS TO DEMONSTRATE THE VOLATILE ORGANIC COMPOUND DESTRUCTION EFFICIENCY OF THE AIR POLLUTION CONTROL SYSTEM OF AT LEAST 95 PERCENT. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH A TEST PROTOCOL APPROVED BY THE SCAQMD. THE TEST DATA SHALL BE KEPT ON FILE AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST. THE OPERATOR SHALL NOTIFY SCAQMD AT LEAST 10 DAYS BEFORE THE TEST DATE.

[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

Emissions and Requirements:

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, RULE 407
 - PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)
 - PM: 0.01 GR/SCF, RULE 409
 - VOC: RULE 1149



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

PERMIT TO OPERATE

**Permit No. G34438
A/N 564268**

Equipment Description:

WASTE WATER COLLECTION AND DISPOSAL SYSTEM CONSISTING OF:

1. 34 TANK WATER DRAWS, EACH 2' -6"W X 2'-6"L X 1'- 1'-0"H., COVERED AND GASKETED.
2. HIGH PRESSURE PUMP HOUSE SUMP, 5'-3"W. X 5'-3"L. X 8'- 0"D., 705 GAL. CAPACITY, COVERED, WITH ONE SUMP PUMP, PASSIVELY VENTED TO A 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON AND SERVING STORM WATER AND HYDROCARBON FLUIDS RUNOFF.
3. HIGH PRESSURE MANIFOLD SUMP, 5'-3"W. X 5'-3"L. X 5'-0"D., 423 GAL. CAPACITY, COVERED, WITH ONE SUMP PUMP, PASSIVELY VENTED TO A 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING STORM WATER AND HYDROCARBON FLUIDS RUNOFF.
4. NO. 208 SUMP, TWO COMPARTMENTS, 10'-6"W. X 15'-6"L. X 12'-10"D., 10,000 GAL. CAPACITY, COVERED AND GASKETED, WITH TWO SUMP PUMPS (5-5 AND 5-6), PASSIVELY VENTED TO TWO 55 GAL. CANISTERS, EACH CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING TANK WATER DRAWS AND ROOF DRAINS.
5. NO.2 YARD SUMP, 6,562 GAL. CAPACITY, THREE COMPARTMENTS:
 - A. 6'- 6"W. X 7'-0"L. X 13'-6"D., PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON.
 - B. 6'-6"W. X 8'-6"L. X 13'-6"D., PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON.
WITH A SUMP PUMP (1-T-11) AND SERVING TANK WATER DRAWS, ROOF DRAINS AND SUMP NO. 208.
 - C. 4'-6"W. X 5'-0"L. X 13'-6"D., COVERED, AND SERVING STORM WATER DRAINS.
6. GREENWOOD BLIND CATCH BASINS CONSISTING OF:
 - A. CATCH BASIN AT BERTH 76.
 - B. CATCH BASIN AT BERTH 77.
 - C. CATCH BASIN AT BERTH 78.
7. BERTH 77 SUMP, TWO COMPARTMENT, 10'-8"W. X 15'-8"L. X 15'-9"D., 12, 415 GAL. CAPACITY, COVERED, WITH TWO SUMP PUMPS (S-3 AND S-4), PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER, CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING STORM WATER RUNOFF AND HYDROCARBON LIQUIDS IN GREENWOOD BLIND CATCH BASINS AND GAS PIT DRAIN.
8. PUMP PIT NO.1 SUMP, THREE COMPARTMENT, 9'-4"W. X 17'-6"L. X 4'-3"D., 5,195 GAL. CAPACITY, COVERED AND GASKETED, WITH ONE SUMP PUMP, CONNECTED TO A STORM WATER GUTTER, PASSIVELY VENTED TO TWO 55 GAL. CANISTERS, EACH CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING PUMP PIT NO. 1.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS, MARINE TERMINAL 2

9. CRUDE PIT SUMP, THREE SECTIONS:
- EASTERN SECTION, 96 GAL, 1'-10"W X 1'-10"L X 3'-6"D, COVERED AND GASKETED.
- WESTERN SECTION, 986 GAL, 4'-0"W X 4'-3"L X 7'-9"D, WITH A FIXED COVER, PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON.
- L-SHAPED TROUGH SECTION, TWO COMPARTMENT, 99 GAL, 1'-0"W X 10'-3"L X 1'-8"D AND 1'-0"W X 3'-0"L X 8"D, WITH AN OPEN TOP.
10. NO.3 YARD SUMP, 6,562 GAL. CAPACITY, THREE COMPARTMENTS:
- A. 6'-6"W X 7'-0"L X 13'-6"D, PASSIVELY VENTED TO ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON.
- B. 6'-6"W X 8'-6"L X 13'-6"D, PASSIVELY VENTED TO ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON.
- WITH ONE SUMP PUMP, SERVING TANK WATER DRAWS, ROOF DRAINS AND CRUDE PIT SUMP.
- C. 4'-6"W X 5'-0"L X 13'-6"D, COVERED AND SERVING STORM WATER DRAINS.
11. AIR FLOTATION CELL, POLLUTION CONTROL ENGINEERING, MODEL 750 WITH A MOTOR DRIVE SCRAPER, PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON.
12. SURGE TANK NO. 221, 45,320 BBL CAPACITY, 90'-0"DIA. X 40'-0"H, INTERNAL FLOATING ROOF (COMMON TO A/N C17684)
13. PRESSURE RETENTION TANK, 4'-0"DIA. X 10'0"H.
14. BACK FLUSH TANK, 500 BBL. CAPACITY, FIXED ROOF.
15. TWO FEED PUMPS, T-1 AND T-2, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND MOTOR DRIVEN.
16. TWO EFFLUENT PUMPS, T-3 AND T-4, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND MOTOR DRIVEN.
17. BACK FLUSH PUMP, T-13, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND MOTOR DRIVEN.

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 COVER SHALL BE SEALED TO THE SUMP RIM WITH THE GASKET SEAL IN GOOD CONDITION.
[RULE 1303(a)(1) BACT]
- 4) THE SUMPS AND SEPARATORS SHALL BE COVERED AND VENTED TO CARBON CANISTERS AT ALL TIMES EXCEPT WHEN EMPTIED FOR MAINTENANCE.
[RULE 1303(a)(1) BACT]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

- 5) HATCHES SHALL BE KEPT CLOSED AND SEALED AT ALL TIMES EXCEPT WHEN THE SUMP IS EMPTIED FOR MAINTENANCE.
[RULE 1303(a)(1) BACT]
- 6) VOC CONCENTRATION IN THE VENT GAS AT THE OUTLET OF EACH SINGLE CARBON CANISTER, OR MULTIPLE CARBON CANISTER SYSTEM THAT VENTS THE VARIOUS SUMPS AND TANKS OF THIS WASTEWATER COLLECTION AND DISPOSAL SYSTEM SHALL NOT EXCEED 500 PPMV AS METHANE WHEN MEASURED WITH AN OVA IN ACCORDANCE TO EPA METHOD 21.
[1303(a)(1) BACT]

Periodic Monitoring:

- 7) VOC CONCENTRATION IN THE VENT GAS AT THE OUTLET OF EACH SINGLE CARBON CANISTER SHALL BE MEASURED AT LEAST ONCE EACH MONTH WITH AN OVA IN ACCORDANCE WITH EPA METHOD 21.

FOR MULTIPLE CARBON CANISTER SYSTEMS, THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY CARBON CANISTER SHALL BE MEASURED AT LEAST ONCE PER MONTH
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

- 8) FOR SINGLE CARBON CANISTERS, EACH CARBON CANISTER SHALL BE REPLACED WHEN BREAKTHROUGH IS DETECTED. FOR THE PURPOSE OF THIS CONDITION, BREAKTHROUGH OCCURS WHEN THE HYDROCARBON MONITOR READING INDICATES A CONCENTRATION OF 500 PPMV AT THE OUTLET OF THE CARBON CANISTER.

FOR MULTIPLE CARBON CANISTER SYSTEMS, WHEN THE HYDROCARBON MONITOR READING INDICATES A CONCENTRATION OF 500 PPMV AT THE OUTLET OF THE SECONDARY CARBON CANISTER, BOTH THE PRIMARY CARBON CANISTER AND SECONDARY CARBON CANISTER SHALL BE REPLACED WITH A NEW CARBON CANISTER CONTAINING FRESH GRANULATED ACTIVATED CARBON.

ALL SPENT CARBON SHALL BE KEPT IN VAPOR TIGHT CONTAINERS AND DISPOSED BY A LICENSED RECYCLER. RECORDS OF CARBON REPLACEMENT AND DISPOSAL SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

Emissions And Requirements:

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

VOC: RULE 464
VOC: RULE 1176
VOC: 500 PPMV, RULE 1303(a)(1) BACT



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

RULE 219 EQUIPMENT

Equipment Description:

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

Conditions:

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

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

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

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, MARINE TERMINAL 2**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS.

Conditions: NONE

Periodic Monitoring: NONE

Emissions and Requirements:

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

HALONS: RULE 1418



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS.

Conditions: NONE

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 109

VOC: RULE 1107 (SEE APPENDIX B FOR EMISSION LIMITS)

VOC: RULE 1171 (SEE APPENDIX B FOR EMISSION LIMITS)



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS, MARINE TERMINAL 2**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED.

Conditions: NONE

Periodic Monitoring: NONE

Emissions And Requirements:

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

VOC: RULE 1122

VOC: RULE 1171 (SEE APPENDIX B FOR EMISSION LIMITS)



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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 SCAQMD. 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 MARINE TERMINAL 2

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 SCAQMD personnel upon request and be maintained for at least five years. [204]
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 SCAQMD 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]
 - 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 non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - d. 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 compounds 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]
 - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION E: ADMINISTRATIVE CONDITIONS

- f. 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. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, 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 and 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 (conflict of interest).
9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by SCAQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief description of the equipment tested.
 - c. Operating conditions under which the test was 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 and 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.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. 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 SCAQMD Source Test Method 1.1 and 1.2. [217]
 11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

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

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

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

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit 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 MARINE TERMINAL 2**

PERMITTED EQUIPMENT LIST

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

Application Number	Equipment Description	Page Number
N/A	NO CURRENT PERMITS TO CONSTRUCT	---

NOTE: EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT WILL NOT BE FOUND IN THIS TITLE V PERMIT.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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
558947	3003
558948	463

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



RULE 463 Inspection and Maintenance Plan Approval
FACILITY ID 176377 – Tesoro Logistics, Marine Terminal 2

LEGAL OWNER OR OPERATOR: Tesoro Logistics, Marine Terminal 2
FACILITY LOCATION: 1350 Pier Street, Long Beach CA 90813
MAILING ADDRESS: 1350 Pier Street, Long Beach CA 90813

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.

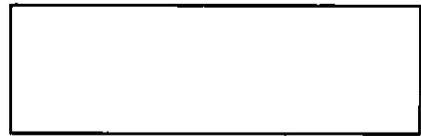
This plan does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code or the Rules and Regulations of the AQMD. This plan cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental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



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**SCAQMD RULE 463 INSPECTION AND MAINTENANCE PLAN
FOR
TESORO LOGISTICS MARINE TERMINAL 2
1300 PIER B STREET
LONG BEACH, CALIFORNIA**

SCAQMD FACILITY ID # 176377

Submitted to:

South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, California 91765

Prepared by:

LA BASIN MARINE TERMINALS
Environmental Department
1300 Pier "B" Street
Long Beach, CA 90813

January 2014



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List of Acronyms

CFR	Code of Federal Regulations
H&S	Health and Safety
OSHA	Occupational Safety and Health Administration
PPE	personal protective equipment
SCAQMD	South Coast Air Quality Management District
TIMP	Tank Inspection and Maintenance Plan
VOC	Volatile Organic Compounds

1.0 Introduction

The South Coast Air Quality Management District (SCAQMD) has developed Rule 463¹ – Organic Liquid Storage, to regulate volatile organic compounds (VOC) emissions from storage tanks. This rule places specific standards for storage tank components, especially roofs and seals; tank emptying / cleaning / repair, degassing, roof re-floating operations; tank emissions; and temporary tanks. Other requirements are also specified such as record keeping, reporting, and agency notifications. In addition, this rule requires submittal of a Tank Inspection and Maintenance Plan (TIMP) for procedures to inspect and maintain compliance with the standards for storage tanks per Rule 463.

1.1 Statement of Objectives

This TIMP is written to fulfill the requirements of the SCAQMD Rule 463. The purpose of the TIMP is to ensure that Tesoro Logistics (Tesoro) Marine Terminal 2 (T2) operators maintain their storage tanks and associated air pollution control equipment at the T2 Terminal, in a manner consistent with good air pollution control practices. The TIMP also ensures that T2 operators are prepared to correct defects within the allowable time after their occurrence in order to minimize excess emissions of VOC to the atmosphere. This TIMP includes the following:

- Description of procedures for inspecting and maintaining storage tanks subject to this rule, including Tesoro's proposed self-inspection/auditing procedures in addition to the required inspection by SCAQMD;
- An inventory list of storage tanks subject to Rule 463;
- Proposed self-inspection and auditing schedules;
- Number of certified personnel dedicated to the program; and
- Health and safety procedures for entering on top of tanks for inspection and maintenance.

This TIMP is developed for T2 personnel and/or contractors to conduct semi-annual inspections of storage tanks at the T2 Terminal.

¹ SCAQMD Rule 463 – Organic Liquid Storage. Last Amended November 4, 2011.

1.2 Report and Notification Contacts

The facility Inspection and Maintenance Plan, its revision, and all reports required to be submitted to the SCAQMD, must be addressed as follows:

Executive Officer
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, California 91765

Telephone: (909) 396-2000

Submit copies of all correspondence with SCAQMD to:

1300 Pier "B" Street
Long Beach, California 90813
Attn: Ms. Donna M. DiRocco
Telephone: (562) 499-2202
Fax: (562) 499-2300
donna.m.dirocco@tsocorp.com

1.3 Tank Inspection and Maintenance Plan Organization

This TIMP is organized as follows:

- Section 1.0 presents the introduction;
- Section 2.0 provides specifics of our tank inspection and maintenance plan; and
- Section 3.0 provides a listing of Tesoro's health and safety procedures and a summary of personal protective equipment (PPE) required for tank seal inspections; and
- A list of H&S Procedures for Rule 463 TIMP requirements within the Tesoro Safety manual

2.0 Tank Inspection and Maintenance Plan

The following sections addresses the requirements for the TIMP as specified in SCAQMD Rule 463.

2.1 General Facility and Process Descriptions

Tesoro Marine Terminal 2, a hydrocarbon bulk terminal (SIC 5171), is located at 1300 Pier B Street, Long Beach, California. The Terminal contains crude oil and various petroleum products. The tank farm at the T2 Terminal consists of both external and internal floating roof tanks for organic liquid storage, therefore, these tanks are subject to Rule 463.

2.2 Inventory of Floating Roof Tanks

Tank regulation, SCAQMD Rule 463, determines which products can be stored in which tank types. Marine Terminal 2 is also subject to Rule 1178, "Further Reduction of VOC Emissions from Storage Tanks at Petroleum Facilities." The criteria for Terminal 2 are as follows:

- Generally, products with a true vapor pressure less than 0.1 psia may be stored in any tank.
- Products with a true vapor pressure greater than 0.1 psia but less than 3 psia can be stored in either a fixed roof tank with an operating vapor recovery system or an external floating roof (EFR) tank with dual tank seals. An exception to this is that crude oil may be stored in an EFR tank.
- Products with a true vapor pressure of 3 psia to 11 psia can be stored in an internal floating roof (IFR) tank or a domed EFR tank. This material may also be stored in a fixed roof tank with vapor recovery with at least 95 percent by weight VOC recovery.
- Products with a true vapor pressure of 11 psia or above must be stored in a fixed roof tank with vapor recovery with at least 95 percent by weight VOC recovery, or in a pressure vessel.
- Individual tank permits may limit the type of product that may be stored in a particular tank; therefore it is crucial that the permit conditions for each tank be evaluated prior to filling.

Table 2-1 presents a list of floating roof tanks that fall under one or more of the above criteria and therefore, are subject to the requirements of Rule 463.

Table 2-1. Inventory of Floating Roof Tanks Subject to SCAQMD Rule 463 at Marine Terminal 2

Permit ID	Capacity (BBL)	Product (*) Out of Service (OOS)	Tank ID	Roof Type	Shell Type Welded (W) Riveted (R)	Tank Dimensions		Seal Type		Floating Roof Type Double Deck (DD) Pontoon (P)	Tank In-Service Date
						Diameter (ft)	Height (ft)	Primary Class	Secondary Class		
G29501	2000	Light and Dark Products	200	Domed	W	25	26	Shoe	Multi-layered wiper	DD	1984
G29491	115,200	Light Products	201	Domed	R	144	40.5	Shoe	Multi-layered wiper	DD	1925
G29490	115,000	Light Products	202	Domed	R	144	40	Shoe	Multi-layered wiper	DD	1925
G29489	118,000	Light Products	203	Domed	R	144	40.5	Shoe	Multi-layered wiper	DD	1925
G29493	32,500	Light Products	204	Domed	R	78	40.5	Shoe	Multi-layered wiper	DD	1925
G29485	32,500	Dark Products	205	EFR	R	78	40.5	Shoe	Wiper	DD	1925
G29494	32,500	Light Products	206	Domed	R	78	40.5	Shoe	Wiper	DD	1925
G29495	32,500	Light Products	207	Domed	R	78	40.5	Shoe	Wiper	DD	1925
G29496		OOS	208	Fixed							1929
G29471		OOS	209	IFR							1929
G29497		OOS	210	Fixed							1925
G29498		OOS	211	Fixed							1925
G29499		OOS	212	Fixed							1925
G29772	20,000	Light Products	213	IFR	W	60	40.75	Shoe	Waffle	Internal pan	1955
G29473	20,000	Light Products	214	IFR	W	60	40.75	Shoe	Waffle	Internal pan	1955
G29474	20,000	Light Products	215	IFR	W	60	40.75	Shoe	Waffle	Internal pan	1955
G29475	20,000	Light Products	216	IFR	W	60	40.75	Shoe	Waffle	Internal pan	1955
G29483	44,798	Light Products	217	Domed	W	90	40	Shoe	Multi-layered wiper	DD	1956
G29484	44,798	Light Products	218	Domed	W	90	40	Shoe	Multi-layered wiper	DD	1955
G29477	109,000	Light Products	219	Domed	W	140	40	Shoe	Wiper	DD	1955
G29476	109,000	Light Products	220	Domed	W	140	40	Shoe	Wiper	DD	1955
G29487	45,200	Light and Dark Products	221	Domed	W	90	40	Shoe	Multi-layered wiper	DD	1956
G29469		OOS	222	EFR							1955
G29492	141,000	Light Products	223	Domed	W	160	40	Shoe	Wiper	Pontoon	1955
G29463	5,145	Oil and	224	EFR	W	35	30	Shoe	Multi-	DD	1956

Table 2-1. Inventory of Floating Roof Tanks Subject to SCAQMD Rule 463 at Marine Terminal 2

Permit ID	Capacity (BBL)	Product (*) Out of Service (OOS)	Tank ID	Roof Type	Shell Type Welded (W) Riveted (R)	Tank Dimensions		Seal Type		Floating Roof Type Double Deck (DD) Pontoon (P)	Tank In-Service Date
						Diameter (ft)	Height (ft)	Primary Class	Secondary Class		
		Water							layered wiper		
G29464	5,011	Oil and Water	225	EFR	W	35	30	Shoe	Wiper	DD	1956
G29465	143,000	Crude Oil	226	EFR	W	160	40	Shoe	Wiper	DD	1956
G29468	143,000	Crude Oil	227	EFR	W	160	40	Shoe	Wiper	DD	1956
G29486	141,865	Crude Oil	228	EFR	W	160	40	Shoe	Wiper	Pontoon	1956
G29466	143,000	Crude Oil	229	EFR	W	160	40	Shoe	Multi-layered wiper	DD	1956
G29480	143,000	Crude Oil	230	EFR	W	160	40	Shoe	Multi-layered wiper	DD	1956
G29478	141,573	Crude Oil	231	EFR	W	160	40	Shoe	Wiper	DD	1956
G29479	55,127	Crude Oil	232	EFR	W	100	40	Shoe	Wiper	DD	1956
G29467	20,000	Oil and Water	233	IFR	W	60	40	Shoe	Multi-layered wiper	Steel Pan	1965

* Products can vary from this inventory.

W = Welded Construction

R = Riveted Construction

2.3 Inspection Requirements and Schedules

In general, the floating roof tanks subject to Rule 463 will be regularly inspected to assure that they meet tank seal specifications with their permit conditions and/or Rule 463/1178 requirements. In addition, tank shell and roof integrity, roof legs, hatches, emergency roof drains, vacuum breakers, and the primary and secondary seals will be inspected and any deficiencies will be recorded. The vapor space LEL for internal floating roof tanks will also be monitored and recorded.

2.3.1 Self-Inspection

SCAQMD Rule 463 calls out a specific self-inspection interval for tanks covered by the rule. At the T2 Terminal, the external / internal / domed floating roof tanks subject to this rule will be inspected twice a year at approximately six-month intervals, but at intervals not less than four months apart by a SCAQMD certified inspector as set forth in Rule 463. Each tank will also require an inspection when it is emptied and degassed or after it is returned to service. Table 2-3 presents Rule 463 semi-annual tank seal inspections schedule.

To lend further assurance to Tesoro's semi-annual self-inspection program under Rule 463, Tesoro will implement the following steps:

1) Initial Inspections:

The certified inspector will perform tank seal inspections for all applicable tanks under Rule 463 at the T2 Terminal. This step will focus on the initial inspection of the tank condition and the initial inspection report that will be issued to the contract repair organization and the SCAQMD. The tanks will be inspected according to Rule 463 to assure that they meet tank seal specifications, including tank shell and roof integrity, sealed roof legs, guide poles, closed hatches, closed emergency roof drains and vacuum breakers etc. Deficiencies such as tears or holes in the primary and secondary seals, seal gaps, etc. are recorded. The Tesoro certified inspector will generate an inspection report detailing any gaps and any defects after each inspection.

2) Repairs:

Once the initial inspection has been completed, the contract repair organization (Tesoro's contractor) will repair or replace any components such as seals, valves, vents, gaskets, socks, hatches, covers of roof openings, etc. that are found to be defective or have gaps that do not meet the requirements of Rule 463 within 72 hours after an inspection or before refilling an emptied and degassed tank. The contract repair organization will complete detailed logs of all repairs made and forward copies to the Tesoro Tank Team for verification, signature and recordkeeping.

Table 2-3. Rule 463 Semi-Annual Tank Seal Inspections Schedule

Tank No.	AQMD Permit ID	Inspection Frequency ^a	
		Month	Month
200	G29501	April	October
201	G29491	April	October
202	G29490	April	October
203	G29489	April	October
204	G29493	April	October
205	G29485	April	October
206	G29494	April	October
207	G29495	April	October
208	G29496	April	October
209	G29471	April	October
210	G29497	April	October
211	G29498	April	October
212	G29499	April	October
213	G29772	April	October
214	G29473	April	October
215	G29474	April	October
216	G29475	April	October
217	G29483	April	October
218	G29484	April	October
219	G29477	April	October
220	G29476	April	October
221	G29487	April	October
222	G29469	April	October
223	G29492	April	October
224	G29463	April	October
225	G29464	April	October
226	G29465	April	October
227	G29468	April	October
228	G29486	April	October
229	G29466	April	October
230	G29480	April	October
231	G29478	April	October
232	G29479	April	October
233	G29467	April	October

^a Note: The proposed inspection schedule may fluctuate as much as two months ahead of schedule or up two months late, depending on the availability of each tank for inspection. However, it is Tesoro's intention to meet Rule 463 inspection frequency under 463 (e)(3)(A), which is to inspect all tanks twice per year at 4 to 8 months intervals.

3) Post Inspections:

The Tesoro certified inspector will perform post-repair inspections of each tank. This is to ensure that all Rule 463 repairs have been completed for each tank before it can be compliance-certified. This step will focus on the final inspection, final inspection reporting, and quality of repair (if any). In general, the tanks will be re-inspected according to Rule 463, only in areas where defects were found to assure that the repairs were made, as well as to check the quality of each repair. The inspector will conduct a field check of all items listed in the detailed repair logs provided by the contract repair organization and sign-off to attest that these items have been repaired. Upon completion of the post-repair inspection, the contracted certified inspector will generate a post-repair inspection report certifying that the tank is in compliance.

2.3.2 Additional Self-Inspection Procedures

In addition to the self-inspection program for the tanks currently subject to Rule 463, Tesoro plans to follow the practices specified in American Petroleum Institute (API) 653 for tanks inspection. Any scheduled or non-scheduled tank inspections that might identify non-compliance items will be repaired and reported according to Rule 463 to the SCAQMD.

2.4 Repair

SCAQMD Rule 463 has strict tank repair time limits. For any tank subject to this rule and found to be out of compliance, Tesoro will attempt at repair to bring it back into compliance within 72 hours. If the repair cannot be made within 72 hours, Tesoro will take the tank out-of-service or file for a variance to request for longer repair period.

2.5 Notifications and Reporting Requirements left off here

For any tank subject to Rule 463, Tesoro will do the following notifications and/or reporting requirements:

- Inform SCAQMD within five days of a successful inspection by submitting Rule 463 inspection report(s).
- Inform SCAQMD in writing within five days of a determination of non-compliance and corrective action to achieve compliance for the tank.
- Notify SCAQMD in writing at least 2 hours but no more than 2 days prior to the start of the emptying operation, or the degassing of any storage tank. Follow-up with form and fee in the mail postmarked no later than 3 business days following the degassing event.
- Notify SCAQMD in writing at least two weeks prior to the starting of any Rule 463 tank emptying or roof re-floating operation for planned maintenance of a tank

(exception - drain dry tanks that change service – SCAQMD notified by degassing company in accordance with permit condition).

- Submit to SCAQMD any revision made to TIMP procedures within 30 days of any change.

To ensure the accuracy and completeness of each report generated after each inspection, Tesoro certified inspectors will sign-off each inspection report and certify that it is complete.

2.6 Recordkeeping Requirements

The Tesoro Tank Team will maintain all documents regarding tanks inspections, repairs, audits, malfunctions, and agency reports on file for at least 5 years. These documents will be made available to SCAQMD upon request.

2.7 Training and Certification

All Tesoro tank seal inspectors are certified through the SCAQMD Tank Self-Inspection Program. At any given time, there are a number of certified inspectors routinely available for conducting inspections to ensure compliance with SCAQMD Rule 463 requirements. All inspectors hold current certificates issued by the SCAQMD and are in good standing in this program.

3.0 Health and Safety Procedures

The greatest potential for safety hazards will be related to field inspections of Tesoro's primary seals on top of floating roof tanks. To ensure that the Tesoro personnel and its contractors minimize the risk of injuries and accidents while conducting tank seal inspection, all Tesoro personnel, contractors, and other third parties shall follow Tesoro's Health and Safety (H&S) procedures listed below and provided in the most current Tesoro *Safety Manual*. The SCAQMD Inspectors will follow Tesoro's health and safety procedures when conducting tank seal audits for Marine Terminal 2. Tesoro's H&S measures are in accordance with Federal Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910 for Occupational Health and Safety Standards, and OSHA 29 CFR Part 1926 for Safety and Health Regulations for Construction; and California Code of Regulations, Title 8, Chapter 4 Division of Industrial Safety, Subchapter 4 for Construction Safety Orders, Subchapter 7 for General Safety Orders, and Subchapter 15 for Petroleum Safety Orders – Refining, Transportation and Handling.

For the purpose of Rule 463 TIMP H&S requirements, the following list of Tesoro's H&S procedures can be found in the most current edition of the Tesoro *Safety Manual*:

- **Procedure C5-1 for Confined Space Entry**
- **Procedure E3-1 for Emergency Preparedness**
- **Procedure A2-1 for Accident Reporting and Investigating**
- **Procedure P2-1 for Personal Protective Equipment (PPE)**
- **Procedure E5-1 for Eye and Face Protection**
- **Procedure F4-1 for Fire-Resistant Clothing (FRC)**
- **Procedure H4-1 for Hearing Conservation Program**
- **Procedure S3-1 for Smoking Policy**
- **Appendix I – Procedure V1-1 for Vehicle Safety**
- **Procedure F2-1 for Fall Protection Program**

- **Procedure R3-1 for Respiratory Protection Program**
- **Procedure C-6 for Contractor Safety**
- **Procedure H8-1 for Hydrogen Sulfide Safety Program**

3.1 Personal Protective Equipment

The following is a summary of PPE that are required to be worn by Tesoro personnel, contractors and third parties when entering on top of floating roof tanks for tank seal inspection:

- Hard hats;
- Safety shoes;
- Fire-Resistant Clothing;
- Fall Protection (on tanks without standard guardrail system);
- Hearing protection in noise hazard areas;
- Safety glasses; and
- Gloves.
- Respiratory protection as required in Procedure R3-1
- LEL Monitor
- Personal H2S Monitor



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION J: AIR TOXICS [40CFR 63 Subpart Y, #1 09-19-1995]

MARINE TANK VESSEL OPERATIONS (IN REFINERIES, BULK TERMINALS, CHEMICAL PLANTS, AND PIPELINE TERMINALS), MINOR SOURCES

1. The operator shall comply with all applicable requirements of 40 CFR 63, Subpart Y and of Subpart A - General Provisions by the date(s) specified in these subparts.
2. The operator shall submit all reports, notifications, plans, submittals and other communications required by Subpart Y or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
3. The operator shall comply with the applicable recordkeeping requirements in accordance with 40 CFR 63, Subpart Y, Section 63.567 (j)(4).
4. The operator shall comply with the emission estimation requirements in accordance with 40 CFR 63, Subpart Y, Section 63.565 (l).
5. The operator shall submit to AQMD applications for permits to construct and permits to operate for new equipment or equipment modifications, which are regulated by this subpart, as a Title V permit revision for the approval by the Executive Officer.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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)]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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)]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

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)]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

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)]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration 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.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

- (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;



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

- (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)]



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

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	2-1-2008	Federally enforceable
RULE 1110.2	9-7-2012	Non federally enforceable
RULE 1113	6-3-2011	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1142	7-19-1991	Federally enforceable
RULE 1149	5-2-2008	Federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1166	5-11-2001	Non federally enforceable
RULE 1166	7-14-1995	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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
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 1401	9-10-2010	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1470	5-4-2012	Non federally enforceable
RULE 202	12-3-2004	Non federally enforceable
RULE 202	5-7-1976	Federally enforceable
RULE 204	10-8-1993	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 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



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 463	11-4-2011	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
CCR Title 13	9-24-1999	Non federally enforceable
40CFR 60 Subpart IIII	1-30-2013	Federally enforceable
40CFR 60 Subpart Ka	5-5-1989	Federally enforceable
40CFR 63 Subpart Y, #1	9-19-1995	Federally enforceable
40CFR 63 Subpart ZZZZ	1-30-2013	Federally enforceable
40CFR 63SubpartBBBBBB	1-24-2011	Federally enforceable



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

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

NONE



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within 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 MARINE TERMINAL 2

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

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	
Decorative Coatings		350			100
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	340	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	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350		
Rust Preventative Coatings	400	100		
Stone Consolidant		450		
Sacrificial Anti-Graffiti Coatings		100	50	
Shellac				
Clear		730		
Pigmented		550		
Specialty Primers	350	100		
Stains		100		



**FACILITY PERMIT TO OPERATE
TESORO LOGISTICS MARINE TERMINAL 2**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-03-2011]**

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	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	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 MARINE TERMINAL 2

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.



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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		



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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	400					100		
Concrete/Masonry Sealers								
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 MARINE TERMINAL 2**

**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 MARINE TERMINAL 2

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

(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 1/1/2008*	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 MARINE TERMINAL 2

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)
(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 TESORO LOGISTICS MARINE TERMINAL 2

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 MARINE TERMINAL 2

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 MARINE TERMINAL 2

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	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	100 (0.83)	



FACILITY PERMIT TO OPERATE TESORO LOGISTICS MARINE TERMINAL 2

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	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 MARINE TERMINAL 2

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	
		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		
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 MARINE TERMINAL 2**

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

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
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 MARINE TERMINAL 2**

**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