

FACILITY PERMIT TO OPERATE

**TESORO REFINING & MARKETING CO LLC CARSO
2149 E SEPULVEDA BLVD
CARSON, CA 90745**

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

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

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	06/17/2015
B	RECLAIM Annual Emission Allocation	DRAFT	06/17/2015
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	06/17/2015
E	Administrative Conditions	DRAFT	06/17/2015
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	06/17/2015
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	06/17/2015
H	Permit To Construct and Temporary Permit to Operate	DRAFT	06/17/2015
I	Compliance Plans & Schedules	DRAFT	06/17/2015
J	Air Toxics	DRAFT	06/17/2015
K	Title V Administration	DRAFT	06/17/2015
 Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	06/17/2015
B	Rule Emission Limits	DRAFT	06/17/2015

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: TESORO REFINING & MARKETING CO LLC
CARSO

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2149 E SEPULVEDA BLVD
CARSON, CA 90745

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

RESPONSIBLE OFFICIAL: BENJAMIN MARTINEZ

TITLE: DISTRICT OPERATIONS MANAGER

TELEPHONE NUMBER: (562) 806-4184

CONTACT PERSON: RUTHANNE WALKER

TITLE: ENVIRONMENTAL COORDINATOR

TELEPHONE NUMBER: (562) 806-4105

TITLE V PERMIT ISSUED: June 18, 2015

TITLE V PERMIT EXPIRATION DATE: June 17, 2020

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

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO
SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

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

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

**FACILITY PERMIT TO OPERATE
 TESORO REFINING & MARKETING COMPANY LLC, CARSON
 MARKETING TERMINAL**

PERMITTED EQUIPMENT LIST

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

Application No.	Permit to Operate No.	Equipment Description	Page Number
552564	G28390	STORAGE TANK (T-110), UNDERGROUND	4
552565	G28391	STORAGE TANK (T-106), FIXED ROOF	5
552566	G28392	STORAGE TANK (T-105), FIXED ROOF	6
552567	G28393	STORAGE TANK (T-101), INTERNAL FLOATING ROOF	7
552568	G28394	TRUCK UNLOADING RACK, ORGANIC LIQUIDS	9
552569	G28395	STORAGE TANK (T-102), INTERNAL FLOATING ROOF	10
552570	G28396	STORAGE TANK (T-103), INTERNAL FLOATING ROOF	12
552571	G28397	STORAGE TANK (T-104), INTERNAL FLOATING ROOF	14
552572	G28398	STORAGE TANK (T-109), INTERNAL FLOATING ROOF	16
552574	G28400	BULK LOADING RACK NO. 1	18
552575	G28401	BULK LOADING RACK NO. 2	21
557874	TBD	AIR POLLUTION CONTROL SYSTEM SERVING BULK LOADING RACK NOS. 1 & 2	24

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

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]
2. THIS FACILITY SHALL COMPLY WITH THE MINOR SOURCE REQUIREMENTS OF 40CFR63 SUBPART R.
[40 CFR 63 SUBPART R]
3. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF 40CFR63 SUBPART BBBB.
4. THIS FACILITY SHALL USE FUGITIVE EMISSION CONTROL MEASURES EQUIVALENT TO THOSE DESCRIBED IN AQMD RULE 1173.
[1991 SETTLEMENT AGREEMENT]

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28390
A/N 552564**

Equipment Description:

STORAGE TANK NO. T-110, 4,000 GALLON CAPACITY, 7'-0" DIA. X 14'-0" L., UNDERGROUND, VENTED TO ATMOSPHERE.

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]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 1149

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28391
A/N 552565**

Equipment Description:

STORAGE TANK NO. T-106, 12,000 GALLON CAPACITY, 11'-0" DIA. X 17'-6" H., FIXED ROOF, VENTED TO ATMOSPHERE.

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) HATCHES ON THIS TANK SHALL BE KEPT CLOSED EXCEPT DURING THE SHORT PERIODS OF USE OF THE HATCHES.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH 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

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28392
A/N 552566**

Equipment Description:

STORAGE TANK NO. T-105, 12,000 GALLON CAPACITY, 11 '-0" DIA. X 17'-S" H., FIXED ROOF, VENTED TO ATMOSPHERE.

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) HATCHES ON THIS TANK SHALL BE KEPT CLOSED EXCEPT DURING THE SHORT PERIODS OF USE OF THE HATCHES.
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH 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

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28393
A/N 552567**

Equipment Description:

STORAGE TANK NO. T-101, INTERNAL FLOATING ROOF, 60'-0" DIA. X 44'-0" H., 20,000 BBL CAPACITY, WELDED SHELL, WITH A SHOE-TYPE PRIMARY SEAL WITH WIPER-TYPE SECONDARY SEAL.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MMHG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 40CFR60 SUBPART K]
- 4) ANNUAL THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463(b)(4), SHALL BE AVAILABLE FOR INSPECTION BY AUTHORIZED AQMD PERSONNEL.
[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 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE(S) OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH LIQUIDS[RULE 463, 40CFR60 SUBPART K]

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

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/TOC: 40CFR60 SUBPART K

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28394
A/N 552568**

Equipment Description:

ORGANIC LIQUID TRUCK UNLOADING RACK CONSISTING OF A 4" CAM LOCK VAPOR TIGHT HOSE TO PIPE CONNECTION WITH A 10 H.P. PUMPBACK PUMP, A TANDEM MECHANICAL SEAL VENTED TO AN AIR POLLUTION CONTROL SYSTEM, A FLOW METER WITH STRAINER, AND A BACK PRESSURE CONTROL VALVE.

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 DAILY OPERATIONAL LOG INCLUDING THROUGHPUT RECORDS FOR THE FACILITY SHALL BE MAINTAINED AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]
- 4) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ALL VENT GASSES FROM THIS SYSTEM INCLUDING THE TRANSFER PUMP SEAL ARE VENTED TO AN AIR POLLUTION CONTROL SYSTEM OPERATING IN COMPLIANCE WITH A VALID AQMD PERMIT.
[RULE 1303(a)(1) BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 1173 (PER SETTLEMENT AGREEMENT)

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28395
A/N 552569**

Equipment Description:

STORAGE TANK NO. T-102, INTERNAL FLOATING ROOF, 60' DIA. X 40' H., 20,000-BBL. CAPACITY, WELDED SHELL, WITH A TUBE 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 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 40CFR60 SUBPART K]
- 4) THE ROOF SHALL 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 SHALL BE EMPTIED OF ORGANIC MATERIALS AS RAPIDLY AS POSSIBLE, TO PREVENT EXCESSIVE FILLING LOSSES. WATER SHOULD BE USED FOR REFLOATING THE ROOF.
[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 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE(S) OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH LIQUIDS[RULE 463, 40CFR60 SUBPART K]

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

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/TOC: 40CFR60 SUBPART K

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28396
A/N 552570**

Equipment Description:

STORAGE TANK NO.T-103, INTERNAL FLOATING ROOF, 60'-0" DIA. X 44'-0" H., 20,000-BBL., CAPACITY, WELDED SHELL, WITH A TUBE SEAL.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 40CFR60 SUBPART K]
- 4) THE ROOF SHALL 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 SHALL BE EMPTIED OF ORGANIC MATERIALS AS RAPIDLY AS POSSIBLE, TO PREVENT EXCESSIVE FILLING LOSSES. WATER SHOULD BE USED FOR REFLOATING THE ROOF.
[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 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE(S) OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH LIQUIDS[RULE 463, 40CFR60 SUBPART K]

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

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/TOC: 40CFR60 SUBPART K

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28397
A/N 552571**

Equipment Description:

STORAGE TANK NO.T-104, INTERNAL FLOATING ROOF, 60'-0" DIA. X 44'-0" H., 20,000-BBL., CAPACITY, WELDED SHELL, WITH A TUBE SEAL.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 40CFR60 SUBPART K]
- 4) THE ROOF SHALL 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 SHALL BE EMPTIED OF ORGANIC MATERIALS AS RAPIDLY AS POSSIBLE, TO PREVENT EXCESSIVE FILLING LOSSES. WATER SHOULD BE USED FOR REFLOATING THE ROOF.
[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 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE(S) OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH LIQUIDS[RULE 463, 40CFR60 SUBPART K]

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

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/TOC: 40CFR60 SUBPART K

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28398
A/N 552572**

Equipment Description:

STORAGE TANK NO.T-109, INTERNAL FLOATING ROOF, 11'-0' DIA. X 15'-0" H., 12,000-GALLON. CAPACITY, WELDED SHELL, WITH A MECHANICAL SHOE TYPE SEAL.

Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463, 40CFR60 SUBPART K]
- 4) THE ROOF SHALL 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 SHALL BE EMPTIED OF ORGANIC MATERIALS AS RAPIDLY AS POSSIBLE, TO PREVENT EXCESSIVE FILLING LOSSES. WATER SHOULD BE USED FOR REFLOATING THE ROOF.
[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 50 PERCENT OF THE LOWER EXPLOSIVE LIMIT.
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETERS OR ITEMS:
 - A. TYPE(S) OF LIQUID STORED
 - B. THROUGHPUT
 - C. RANGES OF TRUE VAPOR PRESSURES OF SUCH LIQUIDS[RULE 463, 40CFR60 SUBPART K]

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

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/TOC: 40CFR60 SUBPART K

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28400
A/N 552574**

Equipment Description:

BULK LOADING RACK NO. 1, ONE POSITION, BOTTOM LOADING, CONSISTING OF:

1. FOUR 4" GASOLINE LOADING ARMS, EQUIPPED WITH DRY-BREAK BOTTOM LOADING CONNECTORS.
2. TWO 4" VAPOR RETURN LINES, WITH 3" HOSES TO THE TRUCKS.
3. TEN METERS.
4. SIX GASOLINE PUMPS, EACH INLINE, WITH MECHANICAL SEAL AND 50 H.P. MOTOR (COMMON TO LOADING RACK NO. 2).
5. SUMP TANK T-1 10, UNDERGROUND, 4,000 GAL. CAPACITY, 8' DIA. X 15' L., (COMMON TO LOADING RACK NO. 2).
6. TWO ETHANOL TRANSFER PUMPS, EACH WITH TANDEM MECHANICAL SEALS AND 50 H.P. MOTOR, VENTED TO AN AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACK NO. 2).
7. TWO ADDITIVE PUMPS, EACH 1 H.P., MECHANICAL DRIVE (COMMON TO LOADING RACK NO. 2)

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 DAILY OPERATIONAL LOG INCLUDING THROUGHPUT RECORDS FOR THE FACILITY SHALL BE MAINTAINED. ALL RECORDS SHALL BE MADE AVAILABLE UPON REQUEST.
[RULE 462]
- 4) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ALL VENT GASSES FROM THIS SYSTEM INCLUDING THE TRANSFER PUMP SEAL ARE VENTED TO AN AIR POLLUTION CONTROL SYSTEM OPERATING IN COMPLIANCE WITH A VALID AQMD PERMIT.
[RULE 462, RULE 1303(a)(1) BACT]

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

- 5) THE TOTAL COMBINED QUANTITY OF GASOLINE LOADED AT RACK NOS. 1 AND 2 AT THIS FACILITY SHALL NOT EXCEED 2,000,000 GALLONS IN ANY ONE DAY, OF WHICH, UP TO 2,000,000 GALLONS MAY BE LOADED WHEN THE AIR POLLUTION CONTROL SYSTEM IS OPERATING IN NORMAL MODE (VAPOR HOLDING TANK IN USE), AND UP TO 1,800,000 GALLONS MAY BE LOADED WHEN THE AIR POLLUTION CONTROL SYSTEM IS OPERATING IN DIRECT MODE (BYPASSING THE VAPOR HOLDING TANK). THE TOTAL ANNUAL LOADING RATE (REGARDLESS OF MODE) AT RACK NOS. 1 AND 2 AT THIS FACILITY SHALL NOT EXCEED 700,000,000 GALLONS IN ANY ONE CALENDAR YEAR. ALL OF THE THROUGHPUTS (EXCEPT THE 1,800,000 GALLON IN THIS CONDITION SHALL BE MONITORED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION SO THAT THE LOADING RATE LIMITS IN THIS CONDITION ARE NOT EXCEEDED. THE 1,800,000 GALLON PER DAY LOADING LIMIT IN DIRECT MODE CAN BE MONITORED WITH EITHER AN AUTOMATED SYSTEM OR A MANUAL SYSTEM, BUT IN EITHER SYSTEM, THE LOADING OPERATION SHALL BE SHUT DOWN SO THAT THE DIRECT MODE LOADING LIMIT IS NOT EXCEEDED.
[RULE 1303(a)(1) - BACT, RULE 1303(b)(2) - OFFSETS, RULE 1313(g) - EMISSION LIMITATION, RULE 462, RULE 1401]
- 6) WHEN OPERATING THE AIR POLLUTION CONTROL SYSTEM IN DIRECT MODE (BYPASSING THE VAPOR HOLDING TANK), A TOTAL OF NOT MORE THAN FOUR LOADING ARMS COMBINED BETWEEN RACK NOS. 1 & 2 SHALL BE USED AT ANY ONE TIME.
[RULE 462]
- 7) FOR EQUIPMENT COVERED UNDER THIS PERMIT, ALL FUGITIVE COMPONENTS IN VOC SERVICE SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. COMPONENTS SHALL BE DEFINED AS ANY FLANGE, VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER. A FUGITIVE VAPOR LEAK AND ASSOCIATED REPAIR TIMES ARE DEFINED IN RULE 462, RULE 1173 (PER 1991 SETTLEMENT AGREEMENT), AND BACT. FOR BACT, IT IS DEFINED AS ANY LEAK GREATER THAN 500PPM, MEASURED AS METHANE AND SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION.
- A) IF ANY QUARTERLY MONITORING REPORT DEMONSTRATES LEAKS OF 500 PPMV OR GREATER IN 2 PERCENT OR MORE OF THE NON-BELLOWS-SEALED VALVES AND FLANGES, THE MONITORING INTERVAL SHALL BE ON A MONTHLY BASIS UNTIL THE FACILITY DEMONSTRATES FOR TWO CONSECUTIVES MONTHS THAT 2 PERCENT OR FEWER LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPUINDS AT A RATE GREATER THAN 500PPM, AT WHICH TIME THE MONITORING INTERVAL MAY RETURN TO A QUARTERLY BASIS.
- B) THE OPERATOR SHALL KEEP RECORDS OF THE QUARTERLY INSPECTION (AND MONTHLY, IF APPLICABLE), SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

Emissions and Requirements:

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

VOC: .08LB/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462, RULE 1303(b)(2) – OFFSETS, RULE 1313(g) – EMISSION LIMITATION

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. G28401
A/N 552575**

Equipment Description:

BULK LOADING RACK NO. 2, ONE POSITION, BOTTOM LOADING, CONSISTING OF:

1. FOUR 4" GASOLINE LOADING ARMS, EQUIPPED WITH DRY-BREAK BOTTOM LOADING CONNECTORS.
2. TWO 4" VAPOR RETURN LINES, WITH 3" HOSES TO THE TRUCKS.
3. TEN METERS.
4. SIX GASOLINE PUMPS, EACH INLINE, WITH MECHANICAL SEAL AND 50 H.P. MOTOR (COMMON TO LOADING RACK NO. 1).
5. SUMP TANK T-110, UNDERGROUND, 4,000 GAL. CAPACITY, 8' DIA. X 15' L., (COMMON TO LOADING RACK NO. 1)
6. TWO ETHANOL TRANSFER PUMPS, EACH WITH TANDEM MECHANICAL SEALS AND 50 H.P. MOTOR, VENTED TO AN AIR POLLUTION CONTROL SYSTEM (COMMON TO LOADING RACK NO. 1).
7. TWO ADDITIVE PUMPS, EACH 1 H.P., MECHANICAL DRIVE (COMMON TO LOADING RACK NO. 1).

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 DAILY OPERATIONAL LOG INCLUDING THROUGHPUT RECORDS FOR THE FACILITY SHALL BE MAINTAINED. ALL RECORDS SHALL BE MADE AVAILABLE UPON REQUEST.
[RULE 462]
- 4) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS ALL VENT GASSES FROM THIS SYSTEM INCLUDING THE TRANSFER PUMP SEAL ARE VENTED TO AN AIR POLLUTION CONTROL SYSTEM OPERATING IN COMPLIANCE WITH A VALID AQMD PERMIT.
[RULE 462, RULE 1303(a)(1) BACT]

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

- 5) THE TOTAL COMBINED QUANTITY OF GASOLINE LOADED AT RACK NOS. 1 AND 2 AT THIS FACILITY SHALL NOT EXCEED 2,000,000 GALLONS IN ANY ONE DAY, OF WHICH, UP TO 2,000,000 GALLONS MAY BE LOADED WHEN THE AIR POLLUTION CONTROL SYSTEM IS OPERATING IN NORMAL MODE (VAPOR HOLDING TANK IN USE), AND UP TO 1,800,000 GALLONS MAY BE LOADED WHEN THE AIR POLLUTION CONTROL SYSTEM IS OPERATING IN DIRECT MODE (BYPASSING THE VAPOR HOLDING TANK). THE TOTAL ANNUAL LOADING RATE (REGARDLESS OF MODE) AT RACK NOS. 1 AND 2 AT THIS FACILITY SHALL NOT EXCEED 700,000,000 GALLONS IN ANY ONE CALENDAR YEAR. ALL OF THE THROUGHPUTS (EXCEPT THE 1,800,000 GALLON IN THIS CONDITION SHALL BE MONITORED BY AN AUTOMATED SYSTEM DESIGNED TO SHUT DOWN THE LOADING OPERATION SO THAT THE LOADING RATE LIMITS IN THIS CONDITION ARE NOT EXCEEDED. THE 1,800,000 GALLON PER DAY LOADING LIMIT IN DIRECT MODE CAN BE MONITORED WITH EITHER AN AUTOMATED SYSTEM OR A MANUAL SYSTEM, BUT IN EITHER SYSTEM, THE LOADING OPERATION SHALL BE SHUT DOWN SO THAT THE DIRECT MODE LOADING LIMIT IS NOT EXCEEDED.
[RULE 1303(a)(1) - BACT, RULE 1303(b)(2) - OFFSETS, RULE 1313(g) - EMISSION LIMITATION, RULE 462, RULE 1401]
- 6) WHEN OPERATING THE AIR POLLUTION CONTROL SYSTEM IN DIRECT MODE (BYPASSING THE VAPOR HOLDING TANK), A TOTAL OF NOT MORE THAN FOUR LOADING ARMS COMBINED BETWEEN RACK NOS. 1 & 2 SHALL BE USED AT ANY ONE TIME.
[RULE 462]
- 7) FOR EQUIPMENT COVERED UNDER THIS PERMIT, ALL FUGITIVE COMPONENTS IN VOC SERVICE SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. COMPONENTS SHALL BE DEFINED AS ANY FLANGE, VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER. A FUGITIVE VAPOR LEAK AND ASSOCIATED REPAIR TIMES ARE DEFINED IN RULE 462, RULE 1173 (PER 1991 SETTLEMENT AGREEMENT), AND BACT. FOR BACT, IT IS DEFINED AS ANY LEAK GREATER THAN 500PPM, MEASURED AS METHANE AND SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION.
- A) IF ANY QUARTERLY MONITORING REPORT DEMONSTRATES LEAKS OF 500 PPMV OR GREATER IN 2 PERCENT OR MORE OF THE NON-BELLOWS-SEALED VALVES AND FLANGES, THE MONITORING INTERVAL SHALL BE ON A MONTHLY BASIS UNTIL THE FACILITY DEMONSTRATES FOR TWO CONSECUTIVES MONTHS THAT 2 PERCENT OR FEWER LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPUINDS AT A RATE GREATER THAN 500PPM, AT WHICH TIME THE MONITORING INTERVAL MAY RETURN TO A QUARTERLY BASIS.
- B) THE OPERATOR SHALL KEEP RECORDS OF THE QUARTERLY INSPECTION (AND MONTHLY, IF APPLICABLE), SUBSEQUENT REPAIR, AND REINSPECTION, IN A MANNER APPROVED BY THE DISTRICT. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

Emissions and Requirements:

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

VOC: .08 LBS/1000 GALLONS OF ORGANIC LIQUID LOADED, RULE 462, RULE 1303(b)(2) – OFFSETS, RULE 1313(g) – EMISSION LIMITATION

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

PERMIT TO OPERATE

**Permit No. TBD
A/N 557874**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM SERVING BULK LOADING RACK NOS. 1 & 2 AND THE ORGANIC LIQUID TRUCK UNLOADING RACK, CONSISTING OF:

A. VAPOR COLLECTION SYSTEM:

1. VAPOR HOLDING TANK, BLADDER TYPE, 28' DIA. X 32' H., 16,000 CUBIC FEET CAPACITY, WITH AN AUTOMATIC LEVEL GAUGE, A BLADDER PRESSURE RELIEF VALVE, A PRESSURE RELIEF VALVE LEL VAPOR DETECTOR, AND A SHELL VENT LEL VAPOR DETECTOR.

B. VAPOR DISPOSAL SYSTEM:

1. THERMAL OXIDIZER (ENCLOSED FLARE TYPE), JOHN ZINK, MODEL ZTOF, 8' DIA. X 35' H., WITH A SINGLE STAGE BURNER, 42 MMBUT/HR, 500 SCFM CAPACITY, AND AN AIR ASSISTED BLOWER. BL-2, 2 HP.
2. BOOSTER BLOWER. BL-1, 7.5 HP., 500 CFM.
3. DETONATION FLAME ARRESTOR.

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 DAILY OPERATING LOG FOR THIS EQUIPMENT SHALL BE MAINTAINED AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 462]

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

- 4) LOADING RACK NOS. 1 AND 2 SERVED BY THIS AIR POLLUTION CONTROL SYSTEM SHALL NOT BE OPERATED UNLESS THE DISPLACED VAPORS FROM THE LOADING TRUCKS ARE VENTED TO THE VAPOR HOLDER, EXCEPT AS NOTED IN CONDITION NO. 5 BELOW. ALL VAPORS FROM THE VAPOR HOLDER SHALL BE VENTED TO THE THERMAL OXIDIZER. THE VAPORS SHALL NOT BE RELEASED FROM THE VAPOR HOLDER UNLESS THE THERMAL OXIDIZER IS IN FULL USE AND OPERATING ACCORDING TO THE PERMIT CONDITIONS.
[RULE 1303(a)(1) BACT]
- 5) THE AIR POLLUTION CONTROL SYSTEM MAY BE OPERATED IN DIRECT MODE (BYPASSING THE VAPOR HOLDER) DURING PERIODS OF INSPECTION, MAINTENANCE, REPAIR, SOURCE TESTING, OR OTHER TIMES AS DETERMINED TO BE APPROPRIATE BY THE PERMITTEE. WHEN OPERATING THE AIR POLLUTION CONTROL SYSTEM IN DIRECT MODE (BYPASSING THE VAPOR HOLDING TANK), A TOTAL OF NOT MORE THAN FOUR LOADING ARMS COMBINED BETWEEN RACK NOS. 1 & 2 SHALL BE USED AT ANY ONE TIME. THE OPERATOR SHALL CONTINUE TO COMPLY WITH THE REQUIREMENTS OF RULE 462 WHEN OPERATING THE AIR POLLUTION CONTROL SYSTEM IN DIRECT MODE AND SHALL KEEP RECORDS OF THE DATES AND DURATIONS WHEN OPERATING IN THE DIRECT MODE.
- 6) ALL PRESSURE RELIEF VALVES, EXCEPT THE BLADDER PRESSURE RELIEF VALVE, IN THIS AIR POLLUTION CONTROL SYSTEM SHALL HAVE A RELIEF PRESSURE ABOVE 18 INCHES OF WATER. THE BLADDER PRESSURE RELIEF VALVE SHALL HAVE A MINIMUM RELIEF PRESSURE OF 3 INCHES OF WATER. ALL PRESSURE RELIEF VALVES SHALL BE TAGGED AND ACCESSIBLE FOR INSPECTION.
[RULE 1303(a)(1) BACT]
- 7) THE LEL VAPOR DETECTORS, INSTALLED TO DETECT LEAKAGE OF THE BLADDER, THE ALARM SYSTEM AND VAPOR HOLDER SHALL BE INSPECTED MONTHLY TO ENSURE THEIR PROPER FUNCTION.
[RULE 1303(a)(1) BACT]
- 8) ALL PRESSURE RELIEF DEVICES, PUMPS, COMPRESSORS, VALVES, INSTRUMENTATION AND COMPONENTS AS DEFINED IN RULE 1173 SHALL COMPLY WITH THIS RULE.
[RULE 1303(a)(1) BACT, 1991 SETTLEMENT AGREEMENT]

Periodic Monitoring:

- 9) THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

WHENEVER THE THERMAL OXIDIZER IS IN OPERATION, A TEMPERATURE NOT LESS THAN 400 DEGREES FAHRENHEIT (ON A 15-MINUTE AVERAGE) SHALL BE MAINTAINED IN THE OXIDIZER EXHAUST STREAM (STACK) DURING NORMAL OPERATION EXCEPT FOR PERIODS OF START-UP AND SHUTDOWN. START-UP IS DEFINED AS THE PERIOD WHEN THE VAPOR VALVE BEGINS TO OPEN TO THE TIME WHEN

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

400 DEGREES FAHRENHEIT IS ACHIEVED, NOT TO EXCEED 30 MINUTES. SHUTDOWN IS DEFINED AS THE PERIOD FROM WHEN THE VAPOR VALVE BEGINS TO SHUT AND IS COMPLETELY CLOSED SHUT, NOT TO EXCEED 30 MINUTES.

THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE EXHAUST STREAM TEMPERATURE 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 AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE SCAQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, AN EXCEEDANCE SHALL BE DEFINED AS WHEN AN EXHAUST STREAM TEMPERATURE OF LESS THAN 400 DEGREES FAHRENHEIT (ON A 15-MINUTE AVERAGE) OCCURS DURING NORMAL OPERATION (EXCEPT FOR PERIODS OF START-UP AND SHUTDOWN) OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE EXHAUST STREAM TEMPERATURE ON A DAILY BASIS TO DETERMINE IF AN EXCEEDANCE OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN AN EXCEEDANCE OCCURS.

WHENEVER AN EXCEEDANCE OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH AN EXCEEDANCE, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE EXHAUST STREAM TEMPERATURE AT OR ABOVE 400 DEGREES FAHRENHEIT (ON A 15-MINUTE AVERAGE), AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING AN UNKNOWN CAUSE, IF APPLICABLE) OF THE EXCEEDANCE AND THE CORRECTIVE ACTION TAKEN.

ALL EXCEEDANCES SHALL BE REPORTED TO THE SCAQMD ON A SEMI-ANNUAL BASIS PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITIONS NOS. 22 AND 23 OF SECTION K OF THIS PERMIT. THE SEMI-ANNUAL MONITORING REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL EXCEEDANCES FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION FOR A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE SCAQMD IF AN ACCUMULATION OF EXCEEDANCES ARE GREATER THAN 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 SCAQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

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 40CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.
[RULE 1303(a)(1) BACT, 3004(a)(4) PERIODIC MONITORING, 40CFR PART 64]

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

- 10) THE OPERATOR SHALL CONDUCT SOURCE TEST(S) TO DETERMINE THE FOLLOWING:
- A. TOTAL VOC EMISSION RATE IN POUNDS VOC PER 1000 GALLONS GASOLINE LOADED UNDER ROUTINE LOADING CONDITIONS. THE TOTAL QUANTITY OF GASOLINE LOADED AT EACH RACK DURING THE TEST SHALL BE MEASURED AND RECORDED.
 - B. CARBON MONOXIDE (CO) EMISSION CONCENTRATION (PPMV) IN THE OXIDIZER EXHAUST.
 - C. THE TEST SHALL BE CONDUCTED AT LEAST ONCE EVERY 60 CALENDAR MONTHS.
- [RULE 462, RULE 3004(a)(4) PERIODIC MONITORING]

Emissions and Requirements:

- 11) THIS EQUIPMENT SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: .08LB/1000 GALLONS OF ORGANIC LIQUID LOADED RULE 462, 1303(b) – OFFSETS, 1313(g) – EMISSION LIMITATION
 - VOC: RULE 1149
 - NOx: 2032 LBS/MONTH, RULE 1313(g) – EMISSION LIMITATION
 - CO: 5080 LBS/MONTH, RULE 1313(g) – EMISSION LIMITATION
 - CO: 2000 PPMV, RULE 407
 - PM: 0.1 GRAINS/SCF, RULE 409
 - PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

RULE 219 EQUIPMENT

Equipment Description:

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

Conditions:

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

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

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

Periodic Monitoring: NONE

Emissions and Requirements:

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

VOC: RULE 1113 (SEE APPENDIX B FOR EMISSION LIMITS)
VOC: RULE 1171 (SEE APPENDIX B FOR EMISSION LIMITS)

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY LLC, CARSON
MARKETING TERMINAL**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

Emissions and Requirements:

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

REFRIGERANTS: RULE 1415
REFRIGERANTS: 40CFR82 SUBPART F

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by 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, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all SCAQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed SCAQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by 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.

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

SECTION E: ADMINISTRATIVE CONDITIONS

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

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of SCAQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, 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 REFINING & MARKETING CO LLC CARSO**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO**

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

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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
552578	463
557807	462
573885	Part 64

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 174703 – Tesoro Refining & Marketing Co. LLC, Carson Marketing Terminal

LEGAL OWNER OR OPERATOR: Tesoro Refining & Marketing Co. LLC, Carson Marketing Terminal

FACILITY LOCATION: 2149 East Sepulveda Boulevard, Carson, CA 90745

MAILING ADDRESS: 8601 S. Garfield Avenue, South Gate, CA 90280

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.

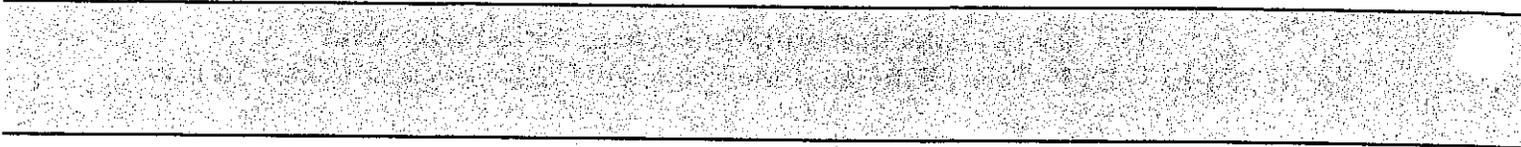
This plan does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code or the Rules and Regulations of the AQMD. This plan cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental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



(THIS PAGE INTENTIONALLY LEFT BLANK)

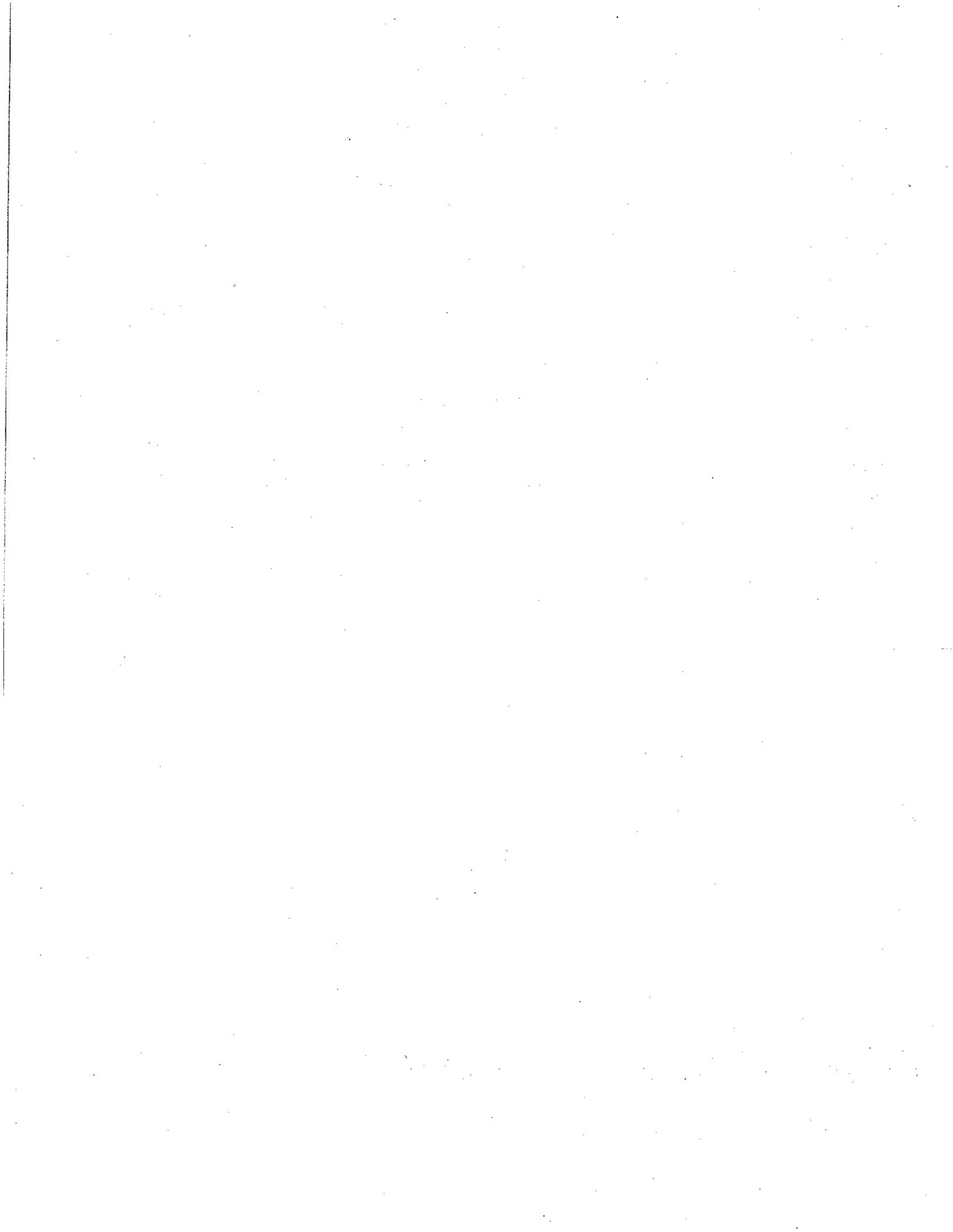
**SCAQMD Rule 463 FLOATING ROOF TANK INSPECTION
AND MAINTENANCE PLAN**

FOR

**Tesoro Refining & Marketing Company LLC
Carson Marketing Terminal**

2149 East Sepulveda Boulevard
Carson, CA 90745

Updated: May 13, 2013



A. Purpose of Floating Roof Tank Inspection and Maintenance Plan

This Floating Roof Tank Inspection and Maintenance Plan has been prepared to comply with SCAQMD Rule 463 (as amended March 11, 1994). The plan originally was submitted to meet a September 14, 1994 deadline and is now being updated to reflect that Tesoro Refining & Marketing Company LLC now owns the Carson Marketing Terminal. The plan must also be revised whenever a new tank is constructed. The plan includes the following:

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

B. Proposed Self-Inspection Schedule

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

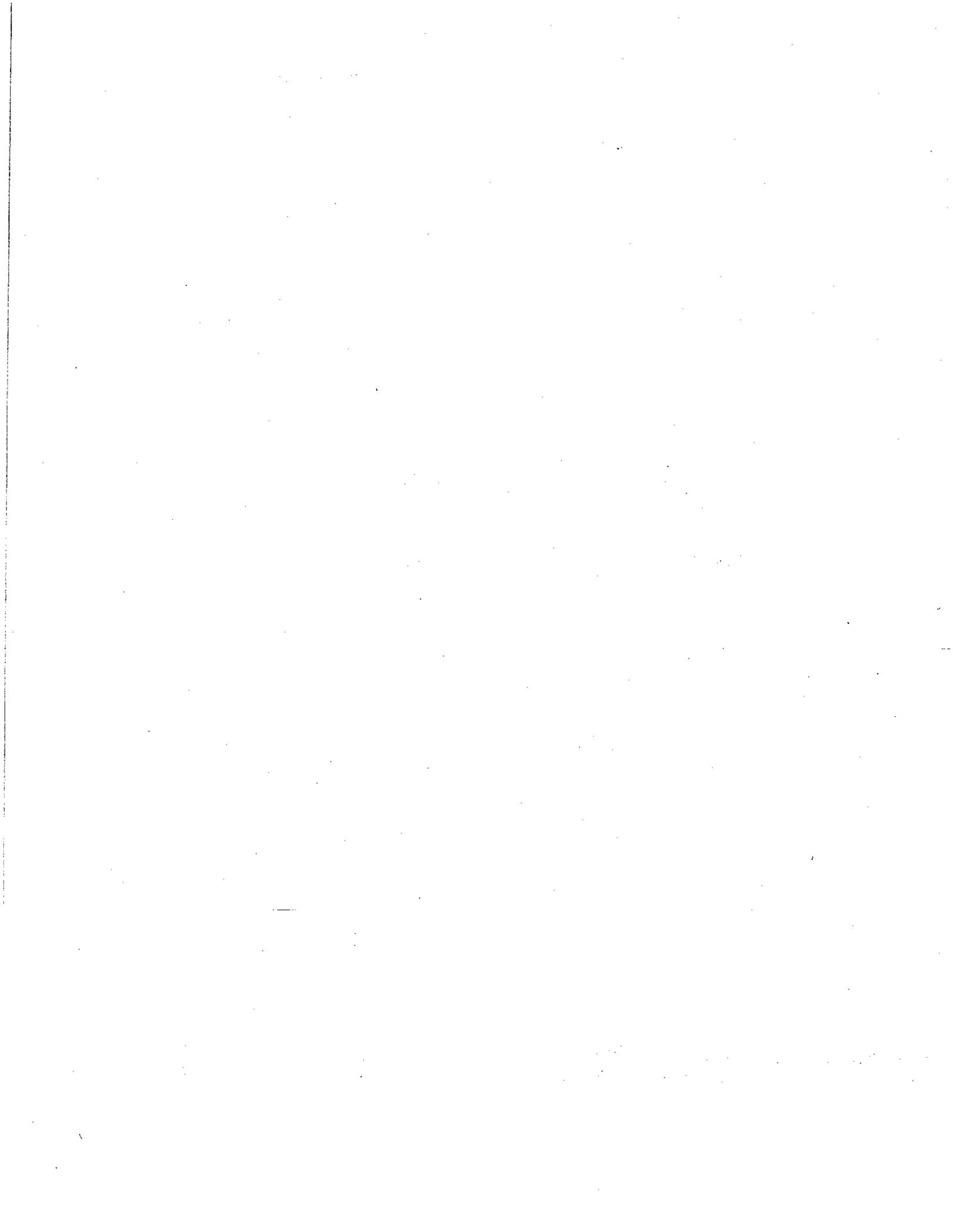
Each time a tank is emptied and degassed, the primary and secondary seals will be inspected by a certified person. On external floating roofs, gap measurements will be taken when the liquid surface is still, but not more than 24 hours after the tank roof is refloated. SCAQMD will be notified at least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

C. Number of Certified Persons Dedicated to the Program

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

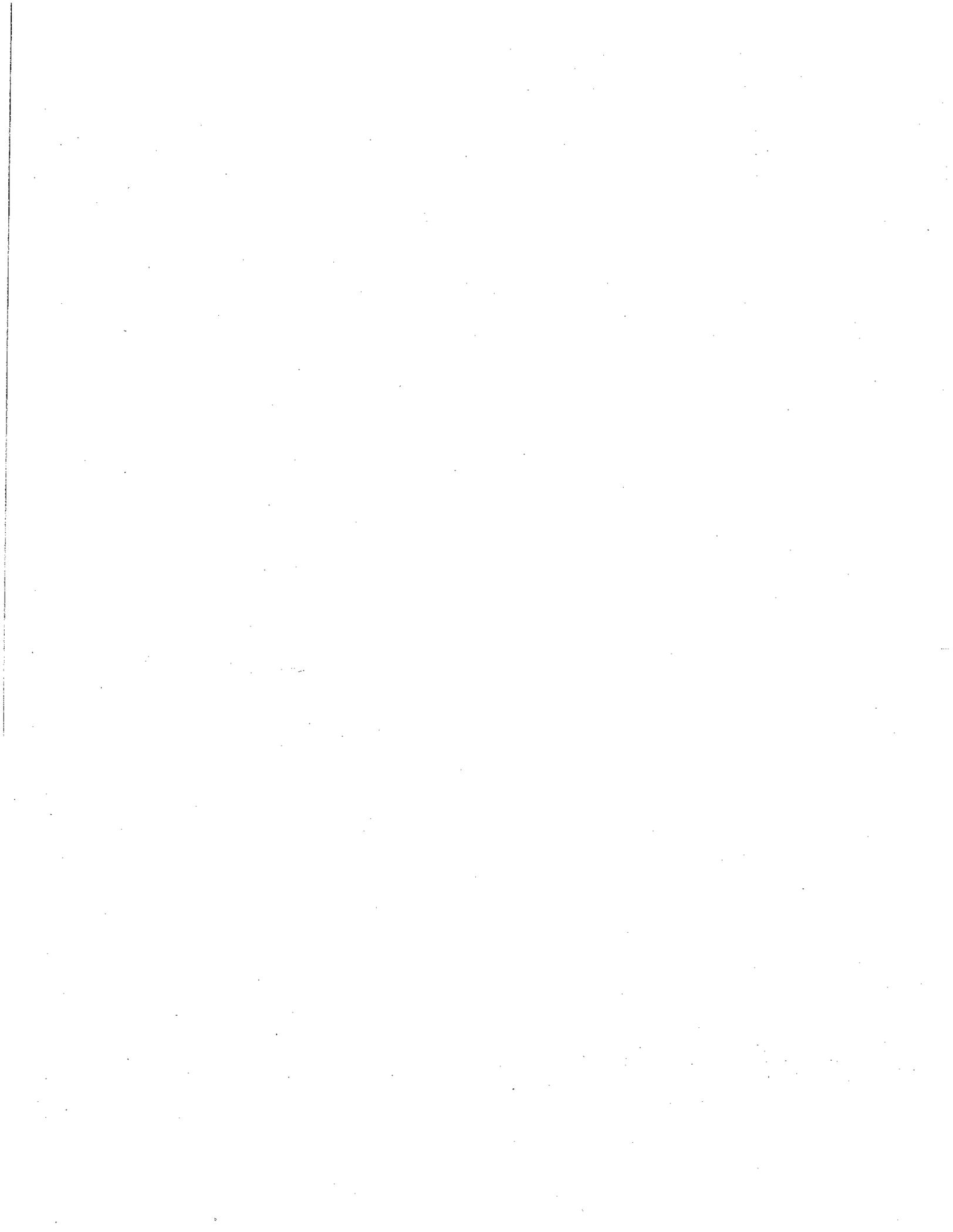
D. Self Inspection Procedures

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



**Tank Inventory
Carson Marketing Terminal**

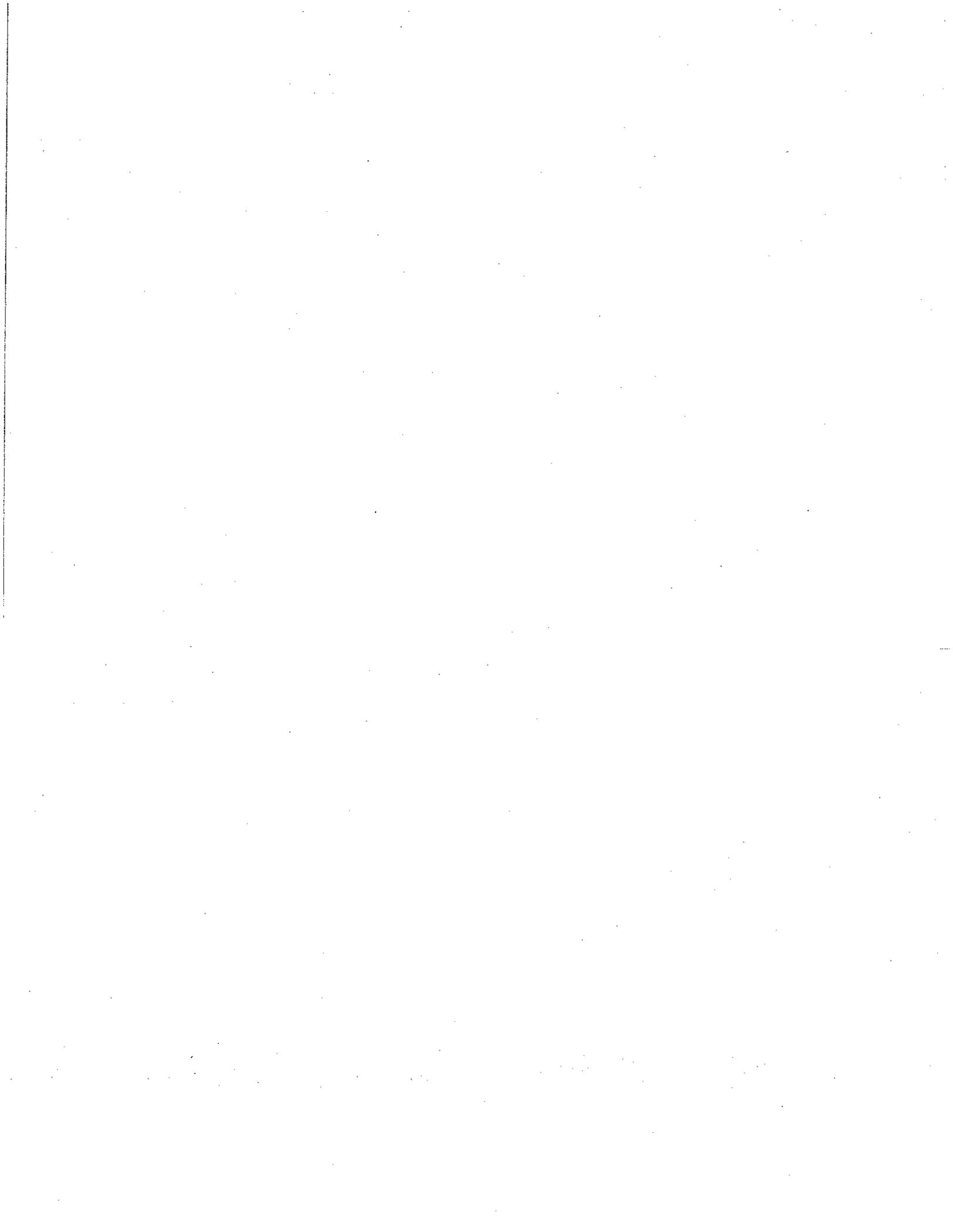
Tank ID Number	CAPACITY (Bbls)	PRODUCT TYPE	SHELL TYPE	DIMENSIONS	SEAL TYPE	SEAL MANUFACTURER	FLOATING ROOF TYPE	TANK CONSTRUCTION DATE
101	20,000	Gasoline or Ethanol	Welded	D: 60'0" H: 44'0"	Mechanical Shoe w/ secondary wiper	Cypress	Internal	1978
102	20,000	Gasoline	Welded	D: 60'0" H: 44'0"	Foam Log	Cypress	Internal	1978
103	20,000	Gasoline	Welded	D: 60'0" H: 44'0"	Foam Log	Cypress	Internal	1978
104	20,000	Gasoline	Welded	D: 60'0" H: 44'0"	Foam Log	Cypress	Internal	1978
105	285	Diesel	Welded	D: 11'0" H: 17'6"	N/A	N/A	N/A (fixed)	1960
106	285	Additive	Welded	D: 11'0" H: 17'6"	N/A	N/A	N/A (fixed)	1960
109	12,000	Oily Water	Welded	D: 11'0" H: 15'0"	Mechanical Shoe	Matrix Service Inc.	Internal	1960



Attachment A

Health and Safety Procedures

Air Monitoring
ATW
Confined Space Entry
Control of Work
Emergency Preparedness
Fall Protection
Incident Investigation
Incident Reporting
Lockout
PPE
Respiratory Protection



**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY, LLC, CARSO**

**RULE 462 CONTINUOUS MONITORING SYSTEM (CMS)
DRAFT COMPLIANCE PLAN APPROVAL
Carson Marketing Terminal**

CONTINUOUS MONITORING SYSTEM (CMS) EQUIPMENT

THERMOCOUPLE, TYPE K, AND AN ELECTRONIC DIGITAL RECORDER, YOKAGAWA, MODEL DX1006, SERVING A JOHN ZINK THERMAL OXIDIZER, 42 MMBTU/HR

CONDITIONS

1. The operator shall conduct the operation of this CMS, in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. The thermocouple shall be located at a position not less than 16 feet above ground and within the exhaust stack of the thermal oxidizer to accurately measure the temperature of the exhaust gas.
3. The operator shall maintain a digital readout of the temperature of the thermal oxidizer exhaust gas in a location accessible to District personnel.
4. The operator shall calibrate the thermocouple and electronic recorder once a year, in accordance with manufacturer's specifications, such that the overall accuracy is within +/- 1% of the actual value or +/- 2.2 degrees Celsius, whichever is greater.
5. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets any applicable requirements of 40 CFR 63.427. The applicability of 40 CFR 63.427 is pursuant to Rule 462(f)(2) and does not necessarily imply that the facility is a major source of hazardous air pollutants.
6. The operator shall maintain the recording device in proper operation at all times such that it is accurately synchronized with the correct time of day.
7. The range of the electronic data recorder shall be set such that the minimum combustion temperature, stated in the Permit to Construct or Permit to Operate issued for the air pollution control system, is between 30% and 90% of full scale.
8. The operator shall notify the Executive Officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of the failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of the failure.

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING COMPANY, LLC, CARSO**

9. The recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the NMHC concentration within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.

10. The operator shall keep records on the site to show compliance with Conditions Nos. 4 and 8 above. Such records shall be kept for at least five years and made available to District personnel upon request.

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO**

SECTION J: AIR TOXICS

[40CFR 63 Subpart R, #2 (Minor Sources) 12-19-2003]

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

1. The operator shall comply with the applicable recordkeeping, reporting and other requirements required to demonstrate that this facility is not subject to Subpart R, as required by 40 CFR, Subpart A, Section 63.10(b)(3), and Section 63.420 of Subpart R.
2. The operator shall submit all required reports, notifications, plans, submittals and other communications required by Subpart R or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (see addresses in Sections E and K of this permit.)

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

SECTION J: AIR TOXICS [40CFR 63SubpartBBBBBB 01-24-2011]

National Emission Standards for Hazardous Air Pollutants: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

The owner/operator of a bulk gasoline terminal, pipeline breakout station, pipeline pumping station, and bulk gasoline plant, shall comply with all applicable requirements of 40CFR 63 Subpart BBBB, including but not limited to the following:

1. Gasoline storage tanks and gasoline loading racks shall comply with the applicable testing and monitoring requirements specified in 63.11092, submit applicable notifications as required under 63.11093, and shall keep records and submit reports as specified in 63.11094 and 63.11095.
2. The owner/operator shall, for all equipment in gasoline service as defined in 63.11100, perform monthly leak inspections as specified in 63.11086.

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 1113	6-3-2011	Federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1149	5-2-2008	Federally enforceable
RULE 1149	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 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1402	3-4-2005	Non federally enforceable
RULE 1415	12-3-2010	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 209	1-5-1990	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	5-3-2013	Non federally enforceable

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
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	3-16-2001	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
RULE 462	5-14-1999	Federally enforceable
RULE 463	11-4-2011	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart K	10-17-2000	Federally enforceable
40CFR 63 Subpart R, #2 (Minor Sources)	12-19-2003	Federally enforceable
40CFR 63SubpartBBBBBB	1-24-2011	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO**

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

NONE

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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

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

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

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

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

**FACILITY PERMIT TO OPERATE
TESORO REFINING & MARKETING CO LLC CARSO**

**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 REFINING & MARKETING CO LLC CARSO

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

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

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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

TABLE OF STANDARDS 1 VOC LIMITS

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

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

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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

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

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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

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

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

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

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

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

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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:

SOLVENT CLEANING ACTIVITY	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 REFINING & MARKETING CO LLC CARSO

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

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

FACILITY PERMIT TO OPERATE TESORO REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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 REFINING & MARKETING CO LLC CARSO

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

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2010
	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 REFINING & MARKETING CO LLC CARSO

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

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2010
	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 REFINING & MARKETING CO LLC CARSO

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
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 REFINING & MARKETING CO LLC CARSO

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		
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 REFINING & MARKETING CO LLC CARSO

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