



# South Coast Air Quality Management District

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

July 17, 2009

Mr. Gerardo Rios  
U.S. EPA, Region IX  
Mail Stop A-5-2  
75 Hawthorne Street  
San Francisco, CA 94105

Subject: Proposed Minor Permit Revision to Title V Permit for BP/ARCO Terminal Services Corp., Terminal 2 (ID #800052)

Dear Mr. Rios:

Enclosed for your 45 day review are revised Sections D and H of the Title V permit for the ARCO Terminal Services Corp., Marine Bulk Loading/Unloading Terminal 2, located at 1350 Pier B Street, Long Beach, CA. The operator has applied for this revision to correct equipment descriptions on permits for the Tanker Loading/Unloading Facilities (Berths 76, 77, & 78). This is considered to be a minor permit revision and has no impact on emissions. Public notice is not required. The relevant portions of the revised permits are summarized below.

## ARCO Terminal Service Corp. Terminal 2 Title V Permit Section D

A/N 497560 (Previous Permit No. M32424)

### Summary of Changes:

- Item 9: Change Cargo Pump No. 1 motor size from 250 to 300 hp.
- Item 22. Change Crude Pump No. 1 motor size from 250 to 350 hp.
- Item 23. Change Crude Pump No. 2 motor size from 250 to 350 hp.

A/N 497561 (Previous Permit No. M32425)

### Summary of Changes

- Item 9. Change Cargo Pump No. 1 motor size from 250 to 300 hp.
- Item 22. Change Crude Pump No. 1 motor size from 250 to 350 hp.
- Item 23. Change Crude Pump No. 2 motor size from 250 to 350 hp.

A/N 497563 (Previous Permit No. M32426)

### Summary of Changes:

- Item 12. Change Cargo Pump no. 1 motor size from 250 to 300 hp.
- Item 25. Change Crude Pump no. 1 motor size from 250 to 350 hp.
- Item 26. Change Crude Pump no. 2 motor size from 250 to 350 hp.
- Item 30. Change pump manufacturer from Louis Allis to Byron Jackson
- Item 31. Change pump manufacturer from Louis Allis to Byron Jackson

Mr Gerardo Rios

July 17, 2009

ARCO Terminal Service Corp. Terminal 2 Title V Permit Section H

Permit to Construct A/N 498583(Corrections to P/C – A/N 362378 Current Wording Rev. 1)

Summary of Changes

Item 1: Add Tank #228 to EQUIPMENT DESCRIPTION

Item 2: Add Tanks #223 & #228 to CONDITIONS (Condition no. 3).

Please note that this Title V permit revision is being handled under A/N 497564. This request is being made via electronic submittal in order to facilitate your review. If you have any questions or need additional information please contact Mr. Tom Liebel at (909) 396-2554 or by email at [tliebel@aqmd.gov](mailto:tliebel@aqmd.gov).

Sincerely,



Jay Chen, P.E.

Senior Engineering Manager

Refinery & Waste Management Permitting

JC: CDT: TGL: TWW  
Enclosure

cc: (w/ enclosure)  
Donna DiRocco, ARCO Terminal Services Corp.  
Application Files (A/Ns 497560, 497561, 497563, 497564, & 498583)

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

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

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMITTED EQUIPMENT LIST

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

Application No.	Permit No.	Equipment Description	Page
C17684	M13011	STO. TANK #221 DOMED EXT FLOATING ROOF, ORG. LIQ.	5
C17687	M16086	STO. TANK #224 EXT FLOATING ROOF, ORG. LIQ	6
C17688	M12944	STO. TANK #225 EXT FLOATING ROOF, ORG. LIQ	7
C17689	M13342	STO. TANK #226 EXT FLOATING ROOF, ORG. LIQ	8
C17692	M12916	STO. TANK #229 EXT FLOATING ROOF, ORG. LIQ	9
C17693	M12927	STO. TANK #230 EXT FLOATING ROOF, ORG. LIQ	10
107487	M32298	STO. TANK #233 INT FLOATING ROOF, ORG. LIQ	11
118536	M43521	STO. TANK #200 EXT FLOATING ROOF, ORG. LIQ	12
143365	M63152	STO. TANK #227 EXT FLOATING ROOF, ORG. LIQ	13
167308	D05285	STO. TANK #222 DOMED EXT FLOATING ROOF, ORG. LIQ.	14
177246	D14131	ICE (50-500HP) EM FIRE FGHT - GASOLINE	15
208526	D28296	STO. TANK #209 INT FLOATING ROOF, ORG. LIQ	16
208527	D28297	STO. TANK #213 INT FLOATING ROOF, ORG. LIQ	17
208528	D28298	STO. TANK #214 INT FLOATING ROOF, ORG. LIQ	19
208529	D28299	STO. TANK #215 INT FLOATING ROOF, ORG. LIQ	20
208530	D34420	STO. TANK #216 INT FLOATING ROOF, ORG. LIQ	21
263681	D88584	WASTE H2O TREATING > 50,000 GPD	23
271418	D60721	STO. TANK #231 EXT FLOATING ROOF, ORG. LIQ	25
271419	D60722	STO. TANK #232 EXT FLOATING ROOF, ORG. LIQ	26
271420	D60723	STO. TANK #228 EXT FLOATING ROOF, ORG. LIQ	27
283821	D90733	WASTE WATER STRIP/OFF-GAS INCINERATION SYS	28
285367	D78270	STORAGE TANK DIESEL	30
298517	D87124	STORAGE TANK W/EXT FLOAT ROOF GASOLINE	31
307619	D93728	STO. TANK #220 DOMED EXT FLOATING ROOF, ORG. LIQ.	33
307620	D93715	STO. TANK #223 DOMED EXT FLOATING ROOF, ORG. LIQ.	35
307621	D93729	STO. TANK #219 DOMED EXT FLOATING ROOF, ORG. LIQ.	37
312923	D99670	STO. TANK #201 DOMED EXT FLOATING ROOF, ORG. LIQ.	39
312924	D99671	STO. TANK #202 DOMED EXT FLOATING ROOF, ORG. LIQ.	40
312926	D99672	STO. TANK #203 DOMED EXT FLOATING ROOF, ORG. LIQ.	41
312929	D99675	STO. TANK #217 DOMED EXT FLOATING ROOF, ORG. LIQ.	42
312931	D99676	STO. TANK #218 DOMED EXT FLOATING ROOF, ORG. LIQ.	43
314816	D99677	AIR POLLUTION CONTROL SYS, FLARE	44
362316	F24119	WASTE H2O TREATING > 50,000 GPD	45
411625	F61202	STO. TANK #205 EXT FLOATING ROOF, ORG. LIQ	49
446012	F83677	STO. TANK #204 DOMED EXT FLOATING ROOF, ORG. LIQ.	50

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

<b>Application No.</b>	<b>Permit No.</b>	<b>Equipment Description</b>	<b>Page</b>
446013	F83678	STO. TANK #206 DOMED EXT FLOATING ROOF, ORG. LIQ.	52
446015	F83679	STO. TANK #207 DOMED EXT FLOATING ROOF, ORG. LIQ.	54
449708	F84695	STO. TANK 208 FIXED ROOF, MISC ORG. MATERIALS	56
449709	F84696	STO. TANK 210 FIXED ROOF, MISC ORG. MATERIALS	58
449710	F84697	STO. TANK 211 FIXED ROOF, MISC ORG. MATERIALS	60
449711	F84698	STO. TANK 212 FIXED ROOF, MISC ORG. MATERIALS	62
460118	F86342	ICE (50-500HP), GASOLINE-EMER FIRE FIGHT	64
497560	<del>DRAFT</del>	MARINE BULK LDNG/UNLDN,MISC.HYDROCARBON	65
497561	<del>DRAFT</del>	MARINE BULK LDNG/UNLDN,MISC.HYDROCARBON	68
497563	<del>DRAFT</del>	MARINE BULK LDNG/UNLDN,MISC.HYDROCARBON	71

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### FACILITY WIDE CONDITION(S)

**Condition(s):**

- 1) EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
  - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.  
[RULE 401]
- 2) MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
- 3) THIS FACILITY SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS THE FOLLOWING RULES AND REGULATIONS:  
  
HAP/TOC: 40CFR63 SUBPART R (MINOR SOURCES)  
HAP: 40 CFR63, SUBPART Y (MINOR SOURCES)  
VOC: 40CFR63 SUBPART BBBB  
VOC: RULE 1173

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. M13011  
A/N C17684**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.  
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. M16086  
A/N C17687

#### Equipment Description:

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

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.  
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

Periodic Monitoring: NONE

#### Emissions and Requirements:

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. M12944  
A/N C17688

**Equipment Description:**

TANK NO. 225, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 35'-0"DIA. X 30'-0"H., 5,011 BBLs CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND AN SCAQMD APPROVED SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.  
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. M13342  
A/N C17689**

**Equipment Description:**

TANK NO. 226, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 160'-0"DIA. X 40'-0"H., 143,000 BBLs CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND AN SCAQMD APPROVED SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.  
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. M12916  
A/N C17692**

**Equipment Description:**

TANK NO. 229, 160'-0"DIA. X 40'-0"H., 143,000 BBLs CAPACITY, WELDED SHELL, DOUBLE DECK, EXTERNAL FLOATING ROOF, WITH A SHOE TYPE PRIMARY SEAL AND AN SCAQMD APPROVED SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.  
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. M12927  
A/N C17693**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE ROOF MUST BE KEPT FLOATING AT ALL TIMES, EXCEPT WHEN SUPPORTED ON THE LEGS FOR THE PURPOSE OF EMPTYING THE TANK. WHEN THE ROOF IS ON ITS LEGS, THE TANK MUST BE EMPTIED OF ORGANIC MATTER AS RAPIDLY AS POSSIBLE.  
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. M32298  
A/N 107487**

**Equipment Description:**

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

**Conditions:**

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

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. M43521  
A/N 118536

**Equipment Description:**

STORAGE TANK NO. 200, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 25'-0" DIA. X 26'-0" H., 84,000 GALS. CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK MAY NOT BE USED FOR STORING PURE ORGANIC COMPOUNDS.  
[RULE 204]
- 4) THIS TANK MAY 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 Ka]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463, 40CFR60 SUBPART Ka]
- 6) THE OPERATOR SHALL LIMIT THE THROUGHPUT FOR THIS TANK TO ONE TURNOVER PER YEAR.  
[RULE 1303(b)(2) OFFSETS]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178  
VOC/TOC: 40CFR60 SUBPART Ka

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. M63152  
A/N 143365**

**Equipment Description:**

STORAGE TANK NO. 227, EXTERNAL FLOATING-ROOF, DOUBLE DECK TYPE, 160'-0"DIA. X 40'-0" H., 143,000 BBL CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND HMT WIPER SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATOR SHALL PROVIDE PROCEDURES FOR REMOVAL OF ANY FLOATING ROOF TANK FROM SERVICE THAT HAS STORED ANY CRUDE OIL CONTAINING MORE THAN 20 PARTS PER MILLION BY WEIGHT OF HYDROGEN SULFIDE. SUCH PROCEDURES MUST BE APPROVED BY THE EXECUTIVE OFFICER.  
[RULE 402]
- 4) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D05285  
A/N 167308

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS MUST NOT BE USED FOR STORING PURE ORGANIC COMPOUNDS.  
[RULE 204]
- 4) THE OPERATOR SHALL PROVIDE PROCEDURES FOR REMOVAL OF ANY FLOATING ROOF TANK FROM SERVICE THAT HAS STORED ANY CRUDE OIL CONTAINING MORE THAN 20 PPM BY WEIGHT HYDROGEN SULFIDE. SUCH PROCEDURES MUST BE APPROVED BY THE EXECUTIVE OFFICER.  
[402]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D14131  
A/N 177246

**Equipment Description:**

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

**Conditions:**

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

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)  
PM: RULE 1470

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D28296  
A/N 208526

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW:  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 16 TURNOVERS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

**Permit No. D28297**  
**A/N 208527**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW:  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 52 TURNS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**Emissions and Requirements:**

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

VOC: RULE 463

VOC: RULE 1149

VOC: RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D28298  
A/N 208528

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW:  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 52 TURNOVERS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D28299  
A/N 208529

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW:  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 52 TURNOVERS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D34420  
A/N 208530

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW:  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT TO THIS TANK OF ORGANIC LIQUIDS SHALL NOT EXCEED 52 TURNOVERS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

**Emissions and Requirements:**

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

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D88584  
A/N 263681**

**Equipment Description:**

**WASTE WATER TREATMENT SYSTEM CONSISTING OF:**

1. OIL/WATER SEPARATOR, WEMCO PACESETTER, MODEL CFA-1, 2'-0"W X 8'-0"L X 7'-3/4"H, WITH FIXED COVER.
2. SURGE TANK, 4'-0"W X 10'-6"L X 4'-0"H, 500 GALLONS CAPACITY, WITH FIXED COVER.
3. PUMP, CENTRIFUGAL, WATER, 5HP.
4. SAND FILTER, 30"DIA. X 39"H, WITH AUTOMATIC BACKWASH SYSTEM.
5. SLUDGE BARREL, 55 GALLON CAPACITY.
6. SLOP BARREL, 55 GALLON CAPACITY.
7. TWO CARBON ADSORBERS IN SERIES, WASTE WATER PURIFICATION, 10"DIA. X 19"H, 20,000 LB CARBON CAPACITY.
8. CARBON ADSORBER, 55 GALLON, 200 LB CARBON CAPACITY, PASSIVELY VENTING THE OIL WATER SEPARATOR, THE SURGE TANK, AND THE SLUDGE BARREL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE SEPARATOR, SURGE TANK, AND SLUDGE BARREL SHALL BE COVERED AND VENTED TO THE CARBON ADSORBER AT ALL TIMES EXCEPT WHEN EMPTIED FOR MAINTENANCE.  
[RULE 204]

**Periodic Monitoring:**

- 4) THE OPERATOR SHALL MONITOR THE HYDROCARBON CONCENTRATION AT THE OUTLET TO THE CARBON ADSORBERS MONTHLY, USING EPA METHOD 21 OR AN AQMD APPROVED ORGANIC VAPOR ANALYZER (OVA). THE MONITORING INSTRUMENT SHALL BE CALIBRATED IN PPMV OF METHANE.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

- 5) THE CARBON ADSORBERS SHALL BE REPACED WHEN THE VOC CONCENTRATION IN THE VENT GAS, MEASURED AT THE DISCHARGE FROM THE CARBON ADSORBERS, REACHES 500 PPMV MEASURED AS METHANE. ALL SPENT CARBON SHALL BE KEPT IN VAPOR TIGHT CONTAINERS AND DISPOSED OF AT A LICENSED RECYCLER OR APPROVED HAZARDOUS WASTE SITE. RECORDS OF CARBON REPLACEMENT AND DISPOSAL SHALL BE KEPT AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST.  
[RULE 1303(a)(1) BACT, 3004(a)(4) PERIODIC MONITORING]

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 464  
VOC: 500 PPMV, RULE 1303(a)(1) BACT

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D60721  
A/N 271418**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 15,330,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THE IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D60722  
A/N 271419**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS FOR THIS TANK SHALL NOT EXCEED 6,205,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THE IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D60723  
A/N 271420

**Equipment Description:**

STORAGE TANK NO. 228, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 160-0 DIA. X 40.0" H., 141,865 BBL, CAPACITY, WELDED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A MATRIX FLEX-A-SEAL SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 15,330,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF THE IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D90733  
A/N 283821

#### Equipment Description:

WASTEWATER STRIPPING AND OFF-GAS INCINERATION SYSTEM CONSISTING OF:

1. STRIPPING TOWER, CARBONAIR, MODEL NO. AS 250, PACKED-TYPE, 4'-0" DIA. X 30'-0" H., WITH A 7-1/2 HP BLOWER AND A 15 HP PUMP.
2. THERMAL OXIDIZER, WHITEHORSE TECHNOLOGIES, 5 MMBTU/HR NATURAL GAS- OR PROPANE-FIRED, 3'-0" INSIDE DIAMETER, 170 CU. FT. TOTAL RETENTION CHAMBER VOLUME, WITH A 7-1/2 HP BLOWER AND AN AUTOMATIC COMBUSTION CONTROL SYSTEM.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE STRIPPING TOWER SHALL ONLY BE USED TO TREAT CONTAMINATED WASTEWATER. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO THE THERMAL OXIDIZER WHICH IS IN FULL USE AND IN GOOD WORKING CONDITION.  
[RULE 1303(a)(1) BACT]
- 4) THE LIQUID FEED RATE TO THE STRIPPING TOWER SHALL NOT EXCEED 100 GALLONS PER MINUTE. THE FLOW INDICATOR INSTALLED TO SHOW COMPLIANCE WITH THIS CONDITION SHALL BE PROPERLY CALIBRATED AND MAINTAINED IN GOOD OPERATING CONDITION.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE TOTAL AIR FLOW RATE FROM THE STRIPPING TOWER SHALL NOT EXCEED 2,880 STANDARD CUBIC FEET PER MINUTE. A FLOWMETER AND RECORDER SHALL BE INSTALLED AND PROPERLY MAINTAINED AND OPERATED TO VERIFY COMPLIANCE WITH THIS CONDITION.  
[RULE 1303(b)(2) OFFSETS]
- 6) ALL THE OFF-GASES FROM THE STRIPPING TOWER SHALL BE VENTED TO THE THERMAL OXIDIZER FOR COMBUSTION.  
[RULE 1303(a)(1) BACT]
- 7) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH CONDITIONS OF THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

[RULE 204]

- 8) THE VOC/TOC DESTRUCTION EFFICIENCY OF THE THERMAL OXIDIZER SHALL NOT BE LESS THAN 99.9%  
[RULE 1303(a)(1) BACT]

**Periodic Monitoring:**

- 9) THE THERMAL OXIDIZER SHALL BE OPERATED AT A TEMPERATURE OF AT LEAST 1400°F WITH A 0.5 SECOND OR LONGER RETENTION TIME IN THE COMBUSTION CHAMBER. TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION, A TEMPERATURE MEASURING DEVICE, ACCURATE TO PLUS OR MINUS 10 DEGREES FAHRENHEIT, SHALL BE INSTALLED TO MEASURE TEMPERATURE IN THE FIREBOX OR DUCTWORK IMMEDIATELY DOWNSTREAM FROM THE FIREBOX. A RECORDER SHALL BE INSTALLED TO CONTINUOUSLY RECORD THE MEASURED TEMPERATURES. THE TEMPERATURE MEASURING AND RECORDING SYSTEM SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AND SHALL BE CALIBRATED ANNUALLY.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]
- 10) THE THERMAL OXIDIZER COMBUSTION CHAMBER SHALL BE PREHEATED TO 1400°F PRIOR TO THE COLLECTION OF ORGANIC GASES/VAPORS FROM THE STRIPPING TOWER IT SERVES.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]
- 11) THE OPERATOR SHALL CONDUCT A SOURCE TEST AT LEAST ONCE EVERY 3 YEARS TO DETERMINE THE VOC CONTROL EFFICIENCY OF THE OXIDIZER.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

**Emissions And Requirements:**

- 12) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)  
PM: 0.1 GR/SCF, RULE 409  
VOC: 500 PPMV, RULE 1303(a)(1) BACT

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D78270  
A/N 285367**

**Equipment Description:**

STORAGE TANK, FIXED ROOF, DIESEL FUEL, 6'-0" DIA. X 24'-0" HIGH, 5,100 GALLONS CAPACITY.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUID HAVING A VAPOR PRESSURE OF 0.5 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 4) THROUGHPUT RECORDS SHALL BE MAINTAINED AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.  
RULE 204]

**Periodic Monitoring: NONE**

**Emissions And Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D87124  
A/N 298517**

**Equipment Description:**

STORAGE TANK, FIXED ROOF, HALLMARK TANKVAULT II, 5'-3"DIA. X 13'-0"LONG, 2000 GALLONS CAPACITY, PASSIVELY VENTED TO TWO ACTIVATED CARBON CANISTERS CONNECTED IN SERIES, 200 POUNDS OF ACTIVATED CARBON EACH.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUID HAVING A VAPOR PRESSURE OF 1.50 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 180,000 GALLONS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THROUGHPUT RECORDS SHALL BE MAINTAINED AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]
- 6) EXCEPT DURING TRANSFER, SPENT CARBON SHALL BE KEPT IN A TIGHTLY COVERED CONTAINER.  
[RULE 204]
- 7) CARBON CANISTERS REPLACEMENT RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### Periodic Monitoring:

- 8) THE OPERATOR SHALL USE EPA METHOD 21 OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER TO MONITOR THE OUTLET FROM THE CARBON CANNISTERS DAILY. THE ANALYZER SHALL BE CALIBRATED IN PPMV METHANE. THE CARBON IN THE PRIMARY ADSORBER SHALL BE REPLACED WITH FRESH CARBON FROM THE MANUFACTURER WHEN THE HYDROCARBON CONCENTRATION MEASURED AT THE EXIT OF THE PRIMARY ADSORBER EXCEEDS 500 PPMV.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

### Emissions And Requirements:

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: 500 PPMV, RULE 1303(a)(1) BACT  
VOC: RULE 1149

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D93728  
A/N 307619

#### Equipment Description:

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

#### Conditions:

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D93715  
A/N 307620

#### Equipment Description:

STORAGE TANK NO. 223, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 160-0" DIA. X 40-0" H., 141,000 BARRELS CAPACITY, WELDED SHELL, WITH A MECHANICAL SHOE PRIMARY SEAL, AND A WIPER TYPE SECONDARY SEAL.

#### Conditions:

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D93729  
A/N 307621

#### Equipment Description:

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

#### Conditions:

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D99670  
A/N 312923

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 17,280,000 BBLs. PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463 SHALL BE MAINTAINED AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]
- 6) THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]

**Periodic Monitoring:** NONE

**Emissions And Requirements:** NONE

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D99671  
A/N 312924**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 17,250,000 BBL PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463 SHALL BE MAINTAINED AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]
- 6) THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]

**Periodic Monitoring: NONE**

**Emissions And Requirements: NONE**

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D99672  
A/N 312926**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 17,700,000 BBLs. PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463 SHALL BE MAINTAINED AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]
- 6) THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]

**Periodic Monitoring: NONE**

**Emissions And Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. D99675  
A/N 312929**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT TO THIS TANK SHALL NOT EXCEED 28,401,931 MML PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A TWO YEAR PERIOD AND MADE AVAILABLE TFOR INSPECTION BY AUTHORIZED DISTRICT PERSONNEL.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 5) THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]

**Periodic Monitoring: NONE**

**Emissions And Requirements: NONE**

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D99676  
A/N 312931

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT TO THIS TANK SHALL NOT EXCEED 28,401,931 MML PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A TWO YEAR PERIOD AND MADE AVAILABLE TFOR INSPECTION BY AUTHORIZED DISTRICT PERSONNEL.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 5) THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]

**Periodic Monitoring:** NONE

**Emissions And Requirements:** NONE

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. D99677  
A/N 314816

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM SERVING EXTERNAL FLOATING ROOF TANK NOS. 201, 202, 203, 206, 207, AND DOMED EXTERNAL FLOATING ROOF TANKS NOS. 217, 218, 219, 220, AND 223 DURING DEGASSING AND REFILLING OPERATIONS CONSISTING OF:

1. VAPOR COMBUSTOR FLARE, ENCLOSED GROUND LEVEL TYPE, 6'-0" W. X 15'-0" L., MAXON VEE TYPE HASTALOY EXCESS BURNERS RATED AT 20 MILLION BTU PER HOUR TOTAL HEAT INPUT AT 700 CFM.
2. EQUALIZER TANK EQUIPPED WITH 5 H.P. SUBMERGED PUMP WITH A FLOW RATE OF 175 GPM AT 30 PSI, HIGH FLOAT/LOW FLOAT SWITCH, AND EQUALIZER FLAME ARRESTOR.
3. VAPOR BLOWER, TEFC 3-PHASE, WITH 15 H.P. MOTOR, RATED AT 500 TO 700 CFM.
4. COMBUSTION AIR BLOWER, TEFC 3-PHASE, WITH 20 H.P. MOTOR, 14,000 CFM AT 1800 RPM, TWO SPEED MOTOR, 1800/900 RPM.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATOR SHALL MAINTAIN AN OPERATING RECORD OF THE VAPOR DEGASSING UNIT, WHICH INCLUDES BUT IS NOT LIMITED TO THE SCHEDULE OF DEGASSING, AND REFILLING OF THE TANKS, AND THE PRODUCT BEING REFILLED, AND THE TIME THE DEGASSING UNIT IS IN OPERATION. SUCH RECORDS SHALL BE KEPT AND MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.  
[RULE 1149]
- 4) THE REACTIVE ORGANIC GASSES (ROG) DESTRUCTION EFFICIENCY OF THIS AIR POLLUTION CONTROL SYSTEM SHALL NOT BE LESS THAN 95%.  
[RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 204]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### Periodic Monitoring:

- 6) THE THERMAL OXIDIZER SHALL BE OPERATED AT A TEMPERATURE OF AT LEAST 1400°F WITH A 0.5 SECOND OR LONGER RETENTION TIME IN THE COMBUSTION CHAMBER. TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION, A TEMPERATURE MEASURING DEVICE, ACCURATE TO PLUS OR MINUS 10 DEGREES FAHRENHEIT, SHALL BE INSTALLED TO MEASURE TEMPERATURE IN THE FIREBOX OR DUCTWORK IMMEDIATELY DOWNSTREAM FROM THE FIREBOX. A RECORDER SHALL BE INSTALLED TO CONTINUOUSLY RECORD THE MEASURED TEMPERATURES. THE TEMPERATURE MEASURING AND RECORDING SYSTEM SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AND SHALL BE CALIBRATED ANNUALLY.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]
  
- 7) THE OPERATOR SHALL CONDUCT A SOURCE TEST ANNUALLY TO DETERMINE THE VOC CONTROL EFFICIENCY OF THE OXIDIZER.  
[RULE 1303(a)(1) BACT, RULE 3004 (a)(4) PERIODIC MONITORING]

### Emissions And Requirements:

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F24119  
A/N 362316

**Equipment Description:**

**WASTE WATER COLLECTION AND DISPOSAL SYSTEM CONSISTING OF:**

1. 34 TANK WATER DRAWS, EACH 2' -6"W X2'-6"L X 1'- 1'-6"H., COVERED AND GASKETED.
2. HIGH PRESSURE PUMP HOUSE SUMP, 5'-3"W. X 5'-3"L. X 8'- 0"D., 705 GAL. CAPACITY, COVERED, WITH ONE SUMP PUMP, PASSIVELY VENTED TO A 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON AND SERVING STORM WATER AND HYDROCARBON FLUIDS RUNOFF.
3. HIGH PRESSURE MANIFOLD SUMP, 5'-3"W. X 5'-3"L. X 5'-0"D., 423 GAL. CAPACITY, COVERED, WITH ONE SUMP PUMP, PASSIVELY VENTED TO A 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING STORM WATER AND HYDROCARBON FLUIDS RUNOFF.
4. NO. 208 SUMP, TWO COMPARTMENTS, 10'-6"W. X 15'-6"L. X 12'-10"D., 10,000 GAL. CAPACITY, COVERED AND GASKETED, WITH TWO SUMP PUMPS (5-5 AND 5-6), PASSIVELY VENTED TO TWO 55 GAL. CANISTERS, EACH CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING TANK WATER DRAWS AND ROOF DRAINS.
5. NO.2 YARD SUMP, 6,562 GAL. CAPACITY, THREE COMPARTMENTS:
  - A. 6'- 6"W. X 7'-0"L. X 13'-6"D., PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON.
  - B. 6'-6"W. X 8'-6"L. X 13'-6"D., PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON.  
WITH A SUMP PUMP (1-T-11) AND SERVING TANK WATER DRAWS, ROOF DRAINS AND SUMP NO. 208.
  - C. 4'-6"W. X 5'-0"L. X 13'-6"D., COVERED, AND SERVING STORM WATER DRAINS.
6. GREENWOOD BLIND CATCH BASINS CONSISTING OF:
  - A. CATCH BASIN AT BERTH 76.
  - B. CATCH BASIN AT BERTH 77.
  - C. CATCH BASIN AT BERTH 78.
7. BERTH 77 SUMP, TWO COMPARTMENT, 10'-8"W. X 15'-8"L. X 15'-9"D., 12, 415 GAL. CAPACITY, COVERED, WITH TWO SUMP PUMPS (S-3 AND S-4), PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER, CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING STORM WATER RUNOFF AND HYDROCARBON LIQUIDS IN GREENWOOD BLIND CATCH BASINS AND GAS PIT DRAIN.

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

8. PUMP PIT NO.1 SUMP, THREE COMPARTMENT, 9'-4"W. X 17'-6"L. X 4'-3"D., 5,195 GAL. CAPACITY, COVERED AND GASKETED, WITH ONE SUMP PUMP, CONNECTED TO A STORM WATER GUTTER, PASSIVELY VENTED TO TWO 55 GAL. CANISTERS, EACH CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON AND SERVING PUMP PIT NO. 1.
9. CRUDE PIT SUMP, THREE SECTIONS:  
EASTERN SECTION, 96 GAL, 1'-10"W X 1'-10"L X 3'-6"D, COVERED AND GASKETED.  
WESTERN SECTION, 986 GAL, 4'-0"W X 4'-3"L X 7'-9"D, WITH A FIXED COVER, PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON.  
L-SHAPED TROUGH SECTION, TWO COMPARTMENT, 99 GAL, 1'-0"W X 10'-3"L X 1'-8"D AND 1'-0" W X 3'-0"L X 8"D, WITH AN OPEN TOP.
10. NO.3 YARD SUMP, 6,562 GAL. CAPACITY, THREE COMPARTMENTS:
  - A. 6'-6"W X 7'-0"L X 13'-6"D, PASSIVELY VENTED TO ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON.
  - B. 6'-6"W X 8'-6"L X 13'-6"D, PASSIVELY VENTED TO ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS. OF ACTIVATED CARBON.  
WITH ONE SUMP PUMP, SERVING TANK WATER DRAWS, ROOF DRAINS AND CRUDE PIT SUMP.
  - C. 4'-6"W X 5'-0"L X 13'-6"D, COVERED AND SERVING STORM WATER DRAINS.
11. AIR FLOTATION CELL, POLLUTION CONTROL ENGINEERING, MODEL 750 WITH A MOTOR DRIVE SCRAPER, PASSIVELY VENTED TO AT LEAST ONE 55 GAL. CANISTER CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON.
12. SURGE TANK NO. 221, 45,320 BBL CAPACITY, 90'-0"DIA. X 40'-0"H, INTERNAL FLOATING ROOF (COMMON TO A/N C17684)
13. PRESSURE RETENTION TANK, 4'-0"DIA. X 10'0"H.
14. BACK FLUSH TANK, 500 BBL. CAPACITY, FIXED ROOF.
15. TWO FEED PUMPS, T-1 AND T-2, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND MOTOR DRIVEN.
16. TWO EFFLUENT PUMPS, T-3 AND T-4, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND MOTOR DRIVEN.
17. BACK FLUSH PUMP, T-13, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND MOTOR DRIVEN.

### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

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

### Periodic Monitoring:

- 7) VOC CONCENTRATIONS IN THE VENT GAS AT THE OUTLET OF THE CARBON CANISTERS SHALL BE MEASURED DAILY WITH AN OVA IN ACCORDANCE WITH EPA METHOD 21.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]
- 8) THE CARBON CANISTERS SHALL BE REPLACED WHEN BREAKTHROUGH IS DETECTED. FOR THE PURPOSE OF THIS CONDITION, MREAKTHROUGH OCCURS WHEN THE HYDROCARBON MONITOR READING INDICATES A CONCENTRATION OF 500 PPMV AT THE OUTLET OF THE CARBON ADSORBER. ALL SPENT CARBON SHALL BE KEPT IN VAPOR TIGHT CONTAINERS AND DISPOSED OF AT A LICENSED RECYCLER. RECORDS OF CARBON REPLACEMENT AND DISPOSAL SHALL BE KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

### Emissions And Requirements:

- 9) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 464  
VOC: 500 PPMV, RULE 1303(a)(1) BACT

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F61202  
A/N 411625

#### Equipment Description:

STORAGE TANK NO. 205, EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 78'-0"DIA. X 40'-6"H., 32,500 BBL CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 2.9 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS. VAPOR PRESSURE SHALL BE MEASURED ACCORDING TO ASTM METHOD D-323-82 OR CALIFORNIA CODE OF REGULATIONS, TITLE 13, SECTION 2297.  
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
  - A. MATERIALS BEING STORED.
  - B. VAPOR PRESSURE
  - C. DATE MATERIAL IS STOREDRECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463]

Periodic Monitoring: NONE

#### Emissions And Requirements:

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F83677  
A/N 446012

#### Equipment Description:

STORAGE TANK NO. 204, DOMED EXTERNAL FLOATING ROOF, DOUBLE DECK TYPE, 78'-0"DIA. X 40'-6"H., 32,500 BBL CAPACITY, RIVETED SHELL, WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL, AND A VAPOR RECOVERY DEGASSING CONNECTION.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 304,168 BARRELS IN ANY ONE CALENDAR MONTH.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

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

V = VOLUME OF THE TANK IN BARRELS BASED ON THE MOST RECENT VERSION OF API STANDARD 2550,  
H<sub>1</sub> = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART  
H<sub>2</sub> = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

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

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

[RULE 1303(b)(2) OFFSETS]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F83678  
A/N 446013

#### Equipment Description:

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

#### Conditions:

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

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

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

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

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

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

[RULE 1303(b)(2) OFFSETS]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F83679  
A/N 446015

#### Equipment Description:

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

#### Conditions:

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

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING MEASUREMENT PRACTICES:

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

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

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

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

[RULE 1303(b)(2) OFFSETS]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. F84695  
A/N 449708**

**Equipment Description:**

STORAGE TANK NO. 208, FIXED ROOF, 30'-0"DIA. X 23'-9"H., 3000 BBL CAPACITY.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.  
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 3,250 BARRELS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
  - A. THROUGHPUT
  - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
  - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

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

[RULE 463, RULE 1149, RULE 1178]

**Periodic Monitoring: NONE**

## **FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**Emissions And Requirements:**

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

VOC: RULE 463

VOC: RULE 1149

VOC: RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F84696  
A/N 449709

**Equipment Description:**

STORAGE TANK NO. 210, FIXED ROOF, 18'-0"DIA. X 23'-9"H., 1000 BBL CAPACITY.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.  
[RULE 1178, RULE 1303(B)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 5,000 BARRELS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
  - A. THROUGHPUT
  - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
  - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

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

[RULE 463, RULE 1149, RULE 1178]

**Periodic Monitoring:** NONE

## **FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**Emissions And Requirements:**

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

VOC: RULE 463

VOC: RULE 1149

VOC: RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F84697  
A/N 449710

**Equipment Description:**

STORAGE TANK NO. 211, FIXED ROOF, 18'-0"DIA. X 23'-9"H., 1000 BBL CAPACITY.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.  
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 5,000 BARRELS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
  - A. THROUGHPUT
  - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
  - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

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

[RULE 463, RULE 1149, RULE 1178]

**Periodic Monitoring:** NONE

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### Emissions And Requirements:

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

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. F84698  
A/N 449711

**Equipment Description:**

STORAGE TANK NO. 212, FIXED ROOF, 18'-0"DIA. X 23'-9"H., 1000 BBL CAPACITY.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE MAXIMUM VAPOR PRESSURE OF LIQUIDS STORED IN THIS EQUIPMENT SHALL NOT BE GREATER THAN 0.1 PSIA UNDER ACTUAL OPERATING CONDITIONS.  
[RULE 1178, RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 5,000 BARRELS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT FOR THE FOLLOWING PARAMETER(S) OR ITEM(S), EACH TIME THE TYPE OF PRODUCT STORED IN THIS TANK IS CHANGED:
  - A. THROUGHPUT
  - B. LIQUIDS BEING STORED AND TRUE VAPOR PRESSURE OF SUCH LIQUIDS
  - C. ALL RECORDS REQUIRED TO DEMONSTRATE COMPLIANCE WITH RULES 463, 1149, & 1178.

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

[RULE 463, 1149, 1178]

**Periodic Monitoring:** NONE

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

**Emissions And Requirements:**

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

VOC: RULE 463

VOC: RULE 1149

VOC: RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

**Permit No. F86342**  
**A/N 460118**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A NON-RESETTABLE , TOTALIZING HOUR METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE'S ELAPSED OPERATING TIME.  
[RULE 1110.2, RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 4) THIS ENGINE SHALL NOT BE OPERATED FOR MORE THAN 199 HOURS IN ANY ONE CALENDAR YEAR.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 5) AN ENGINE OPERATING LOG SHALL BE KEPT TO RECORD WHEN THE ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE HOUR METER READINGS AT THE START AND END OF OPERATION, THE ELAPSED TIME IN HOURS, AND THE REASON FOR OPERATION. RECORDS FOR THE MOST RECENT FIVE YEAR PERIOD SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1470, RULE 1110.2]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)  
PM: RULE 1470

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. DRAFT  
A/N 497560

#### Equipment Description:

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

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

18. CARGO PUMP NO. 11, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
19. CARGO PUMP NO. 12, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
20. CARGO PUMP NO. 24, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
21. CARGO PUMP NO. 25, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
22. CRUDE PUMP NO. 1, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
23. CRUDE PUMP NO. 2, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
24. CRUDE PUMP NO. 3, ALLIS CHALMERS, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 600 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
25. CRUDE PUMP NO. 4, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
26. CRUDE PUMP NO. 5, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
27. BUNKER "C" PUMP NO. 21, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 77, 78, AND BERTHS 118 AND 119 AT PIER "E").
28. BUNKER "C" PUMP NO. 22, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 77, 78, AND BERTHS 118 AND 119 AT PIER "E").
29. H.P. TRANSFER PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).
30. H.P. TRANSFER PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 77 AND 78).

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AQMD PERMITTED VAPOR RECOVERY AND CONTROL SYSTEM THAT IS IN FULL OPERATION.  
[RULE 1142]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

VOC: RULE 1142

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. DRAFT  
A/N 497561

**Equipment Description:**

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

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

18. CARGO PUMP NO. 11, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
19. CARGO PUMP NO. 12, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
20. CARGO PUMP NO. 24, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
21. CARGO PUMP NO. 25, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
22. CRUDE PUMP NO. 1, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
23. CRUDE PUMP NO. 2, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
24. CRUDE PUMP NO. 3, ALLIS CHALMERS, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 600 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
25. CRUDE PUMP NO. 4, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
26. CRUDE PUMP NO. 5, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
27. BUNKER "C" PUMP NO. 21, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 78, AND BERTHS 118 AND 119 AT PIER "E").
28. BUNKER "C" PUMP NO. 22, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 78, AND BERTHS 118 AND 119 AT PIER "E").
29. H.P. TRANSFER PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).
30. H.P. TRANSFER PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 78).

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AQMD PERMITTED VAPOR RECOVERY AND CONTROL SYSTEM THAT IS IN FULL OPERATION.  
[RULE 1142]

**Periodic Monitoring:** NONE

## **FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2**

### **Emissions and Requirements:**

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

VOC: RULE 1142

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. DRAFT  
A/N 497563

#### Equipment Description:

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

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

17. CARGO PUMP NO. 6, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
18. CARGO PUMP NO. 7, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 30 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
19. CARGO PUMP NO. 8, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 15 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
20. CARGO PUMP NO. 10, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
21. CARGO PUMP NO. 11, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 300 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
22. CARGO PUMP NO. 12, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 200 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
23. CARGO PUMP NO. 24, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
24. CARGO PUMP NO. 25, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 75 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
25. CRUDE PUMP NO. 1, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
26. CRUDE PUMP NO. 2, UNION, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 350 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
27. CRUDE PUMP NO. 3, ALLIS CHALMERS, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 600 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
28. CRUDE PUMP NO. 4, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
29. CRUDE PUMP NO. 5, WILSON-SNYDER CENTRIFUGAL, MODEL 10-DVHH-H; WITH MECHANICAL SEAL AND 800 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
30. BUNKER "C" PUMP NO. 21, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 77, AND BERTHS 118 AND 119 AT PIER "E").
31. BUNKER "C" PUMP NO. 22, BYRON JACKSON, CENTRIFUGAL TYPE, WITH MECHANICAL SEAL AND 400 H.P. MOTOR (COMMON TO BERTHS 76, 77, AND BERTHS 118 AND 119 AT PIER "E").
32. H.P. TRANSFER PUMP NO. 1, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).
33. H.P. TRANSFER PUMP NO. 2, BYRON JACKSON, CENTRIFUGAL TYPE, WITH A 250 H.P. MOTOR (COMMON TO BERTHS 76 AND 77).

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AQMD PERMITTED VAPOR RECOVERY AND CONTROL SYSTEM THAT IS IN FULL OPERATION.  
[RULE 1142]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

VOC: RULE 1142

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2

### RULE 219 EQUIPMENT

**Equipment Description:**

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

**Conditions:**

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

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

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

**Periodic Monitoring:** NONE

**Emissions And Requirements:**

- 2) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:  
  
VOC: RULE 1113 (SEE APPENDIX B FOR EMISSION LIMITS)  
VOC: RULE 1171 (SEE APPENDIX B FOR EMISSION LIMITS)

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS.

**Conditions: NONE**

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

HALONS: RULE 1418

## **FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP. TERMINAL 2**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

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

**Conditions: NONE**

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

VOC: RULE 109

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

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

**RULE 219 EQUIPMENT**

**Equipment Description:**

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

**Conditions: NONE**

**Periodic Monitoring: NONE**

**Emissions And Requirements:**

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

VOC: RULE 1122

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

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

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMITTED EQUIPMENT LIST

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

<b>Application Number</b>	<b>Equipment Description</b>	<b>Page</b>
277458	VAPOR CONTROL SYSTEM, FLARE	3
334733	STO. TANK #231 EXT FLOATING ROOF, ORG. LIQ	6
334734	STO. TANK #232 EXT FLOATING ROOF, ORG. LIQ	8
340626	STO. TANK #230 EXT FLOATING ROOF, ORG. LIQ	10
362378	AIR POLLUTION CONTROL SYSTEM GR LEV FLARE	11
367148	BOILER (5-20MMBTU/HR) NAT GAS ONLY	13
411574	STO. TANK #217 DOMED EXT FLOATING ROOF, ORG. LIQ.	15
411585	STO. TANK #218 DOMED EXT FLOATING ROOF, ORG. LIQ.	17
420656	STO. TANK #228 EXT FLOATING ROOF, ORG. LIQ	19
420953	STO. TANK #221 DOMED EXT FLOATING ROOF, ORG. LIQ.	21
430915	STO. TANK #203 DOMED EXT FLOATING ROOF, ORG. LIQ.	22
430918	STO. TANK #202 DOMED EXT FLOATING ROOF, ORG. LIQ.	24
430920	STO. TANK #201 DOMED EXT FLOATING ROOF, ORG. LIQ.	26
431553	STO. TANK #223 DOMED EXT FLOATING ROOF, ORG. LIQ.	28
475409	STO. TANK #200 DOMED EXT FLOATING ROOF, ORG. LIQ.	30
498583	AIR POLLUTION CONTROL SYSTEM GR LEVEL FLARE	32

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 277458  
Granted 03/04/1993

#### Equipment Description:

MARINE TERMINAL VAPOR CONTROL SYSTEM (THERMAL OXIDIZER) CONSISTING OF:

1. THERMAL OXIDIZER UNIT, CALLIDUS, 12'-0" DIA. X 5'-8" H. FIREBOX, 180 MMBTU/HR MAXIMUM RATING WITH THREE NATURAL GAS BURNERS, A 12" DIA. DETONATION ARRESTOR, AND A 12'-0" DIA. X 68'-0" H. EXHAUST STACK.
2. COMBUSTION AIR COMPRESSOR, 225 SCFM, WITH AN AUTOMATIC CONTROLLER, 75 HP.
3. NITROGEN GENERATOR, 50 SCFM.
4. HYDROCARBON VAPOR COLLECTION ARMS (3), EQUIPPED WITH 6" DIA. VAPOR HOSES, TWO 10" DIA. AND ONE 8" DIA. DETONATION ARRESTORS.
5. BLOWER KNOCKOUT DRUM, 3'-0" DIA. X 8'-6" H., 250 GALLON CAPACITY.
6. BLOWER KNOCKOUT DRUM PUMP, NITROGEN DRIVEN.
7. HYDROCARBON VAPOR BLOWERS (3), 976 ACFM, 100 HP EACH.
8. LIQUID SEAL DRUM, 4'-0" DIA. X 10'-0" H., 400 GALLON CAPACITY
9. LIQUID SEAL DRUM PUMP, NITROGEN DRIVEN.
10. OXYGEN ANALYZERS (6).

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

- 3) THE OPERATOR SHALL CONDUCT A PERFORMANCE TEST FOR EACH TYPE OF ORGANIC LIQUID LOADED AT THE MARINE TERMINAL SUBJECT TO THE FOLLOWING CONDITIONS:
- A. A TEST PLAN SHALL BE SUBMITTED TO THE AQMD REFINERY AND WASTE MANAGEMENT UNIT NO LATER THAN 60 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER OF THE DISTRICT BEFORE THE TEST COMMENCES. THE PLAN SHALL INCLUDE A LIST OF ORGANIC LIQUIDS, VAPOR PRESSURES, VOLUMES LOADED, TYPE OF VESSELS, THE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, THE IDENTITY OF THE TESTING LABORATORY, A STATEMENT FROM THE TESTING LABORATORY CERTIFYING IT MEETS THE CRITERIA OF DISTRICT RULE 304 (E), AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - B. THE TEST SHALL BE CONDUCTED AFTER ACHIEVING 80% OF THE MAXIMUM LIQUID LOADING RATE INTO A MARINE TANK VESSEL AND DURING THE TRANSFER OF THE LAST 50% OF THE TOTAL LIQUID CARGO.
  - C. THE TEST SHALL BE CONDUCTED NOT LATER THAN 180 DAYS AFTER INITIAL STARTUP; AND A FINAL WRITTEN REPORT, INCLUDING ALL TEST DATA AND CALCULATIONS, SHALL BE SUBMITTED TO THE AQMD REFINERY AND WASTE MANAGEMENT UNIT WITHIN 90 DAYS OF TESTING.
  - D. SAMPLE PORTS SHALL BE LOCATED AT THE INLET AND EXHAUST OF THE AFTERBURNER AND SHALL COMPLY WITH DISTRICT RULE 217.
  - E. THE DISTRICT ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE DISTRICT ENGINEER.
  - F. THE TEST SHALL DETERMINE:
    - 1. THE TOTAL VOC IN PPM AND MASS FLOW RATE AT THE INLET OF THE AFTERBURNER.
    - 2. THE MASS EMISSION RATES OF VOC, NO<sub>x</sub>, SO<sub>x</sub>, CO, AND EXCESS O<sub>2</sub> AT THE EXHAUST OF THE AFTERBURNER.
    - 3. THE CONTROL EFFICIENCY OF THE AFTERBURNER.
    - 4. THE LIQUID CARGO LOADING RATE IN BARRELS PER HOUR DURING THE SOURCE TEST.
    - 5. THE TOTAL VOC EMISSION RATE IN POUNDS PER 1000 BBL. LOADED.
    - 6. THE TEST SHALL INCLUDE INFORMATION REGARDING THE PRIOR CARGO CARRIED BY THE RECEIVING MARINE TANK VESSELS AND THE CONDITION OF THE TANKS PRIOR TO BEING LOADED, I.E., CLEANED, CRUDE OIL WASHED, GAS FREED, ETC.

[RULE 1142]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

- 4) FOR ANY LOW VAPOR PRESSURE ORGANIC LIQUID CARGO LOADING, LIGHTERING, BALLASTING, AND HOUSEKEEPING EVENTS, VOC EMISSION LIMITS SPECIFIED IN RULE 1142 SHALL BE MEASURED IN ACCORDANCE WITH TEST METHODS SPECIFIED IN RULE 1142. AFTER THE COMPLIANCE OF A SPECIFIC LOW VAPOR PRESSURE ORGANIC LIQUID HAS BEEN DETERMINED BY THE APPROVED SOURCE TEST, THE DISTRICT MAY ALLOW SUCH LOADING EVENT WITHOUT VENTING TO THE AFTERBURNER, BUT WITH CONDITIONS IMPOSED SUCH AS VAPOR PRESSURE, LOADING TEMPERATURE, AND THE CONDITION FOR THE RECEIVING MARINE TANKS.  
[RULE 1142]
- 5) THE OPERATOR SHALL COMPLY WITH THE REQUIREMENTS OF RULE 480 REGARDING NATURAL GAS FIRED CONTROL EQUIPMENT.  
[RULE 480]
- 6) THE FINAL DETAILED DESIGN INFORMATION REGARDING THIS THERMAL OXIDIZER SHALL BE SUBMITTED TO THE AQMD REFINERY AND WASTE MANAGEMENT UNIT BEFORE STARTING CONSTRUCTION.  
[RULE 204]
- 7) AFTER THE INITIAL PERFORMANCE TEST, ARCO SHALL CONDUCT A PERFORMANCE TEST ANNUALLY IN ACCORDANCE WITH CONDITION NO. 3 (EXCLUDING PART C) FOR THE MOST VOLATILE LIQUID LOADED AT THIS TERMINAL.  
[RULE 204, RULE 1142]

### Periodic Monitoring:

- 8) A DEVICE FOR MEASURING AND CONTINUOUSLY RECORDING TEMPERATURE IN DEGREES FAHRENHEIT, ACCURATE TO PLUS OR MINUS 10 DEGREES FAHRENHEIT, SHALL BE INSTALLED TO INDICATE THE OPERATING TEMPERATURE OF THE COMBUSTION CHAMBER OF THE AFTERBURNER. THE TEMPERATURE MEASURING DEVICE SHALL BE CALIBRATED AT LEAST ONCE EACH YEAR. RECORDS DEMONSTRATING COMPLIANCE WITH THIS CONDITIONS SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1142, RULE 3004(a)(4) PERIODIC MONITORING]
- 9) A TEMPERATURE OF NOT LESS THAN 1400°F SHALL BE MAINTAINED IN THE COMBUSTION CHAMBER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.  
[RULE 1142, RULE 3004(a)(4) PERIODIC MONITORING]

### Emissions and Requirements:

- 10) THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO: 2000 PPMV, RULE 407  
PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)  
PM: 0.1 GR/SCF, RULE 409  
VOC: 2 LBS/1000 BARRELS OF ORGANIC LIQUID LOADED, OR 95% DESTRUCTION EFFICIENCY, RULE 1142

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 334733  
Granted 06/12/1998**

**Equipment Description:**

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

**CONDITIONS:**

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

**Periodic Monitoring: NONE**

## **FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**Emissions and Requirements:**

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

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 334734  
Granted 06/12/1998**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND INSPECTIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 6,205,000 BARREL(S) IN ANY ONE YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 5) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1178]

**Periodic Monitoring: NONE**

## **FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**Emissions and Requirements:**

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

VOC: RULE 463

VOC: RULE 1149

VOC: RULE 1178

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 340626  
Granted 06/12/1998**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND INSPECTIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1178]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 362378  
Granted 12/17/1999**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM SERVING FLOATING ROOF TANK NOS. 201, 202, 203, 204, 206, 207, 217, 218, 219, 220, 223, 230, 231, AND 232 DURING DEGASSING AND REFILLING OPERATIONS, CONSISTING OF THE FOLLOWING:

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL VENT STORAGE TANKS NOS. 201, 202, 203, 204, 206, 207, 217, 218, 219, 220, 223, 230, 231, AND 232 DURING TANK DEGASSING AND REFILLING OPERATIONS UNTIL THE TANK ROOFS ARE FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 4) WITH PRIOR APPROVAL FROM THE EXECUTIVE OFFICER, THIS EQUIPMENT MAY BE REPLACED BY A CONTRACTOR WITH AN EQUIVALENT AIR POLLUTION CONTROL DEVICE FOR DEGASSING OPERATION.  
[RULE 1149]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

- 5) THE OPERATOR SHALL MAINTAIN AN OPERATING RECORD OF THE VAPOR DEGASSING UNIT, WHICH INCLUDES BUT IS NOT LIMITED TO THE SCHEDULE OF DEGASSING AND REFILLING THE TANKS, THE PRODUCT BEING REFILLED AND THE TIME THAT THE DEGASSING UNIT IS IN OPERATION. SUCH RECORDS SHALL BE KEPT AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1149]

### Periodic Monitoring:

- 6) THE AFTERBURNER SHALL BE OPERATED AT A TEMPERATURE OF AT LEAST 1400 DEGREES FAHRENHEIT AND 0.5 SECONDS RESIDENCE TIME, OR AT AN EFFICIENCY OF AT LEAST 95%. A CONTINUOUSLY RECORDING TEMPERATURE MEASURING DEVICE, ACCURATE TO PLUS OR MINUS 10 DEGREES FAHRENHEIT SHALL BE INSTALLED TO INDICATE THE OPERATING TEMPERATURE OF THE COMBUSTION CHAMBER OF THE AFTERBURNER. TEMPERATURE RECORDS SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST. THE TEMPERATURE MEASURING DEVICE SHALL BE CALIBRATED AT LEAST ONCE EVERY 12 MONTHS.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]
- 7) A SOURCE TEST SHALL BE CONDUCTED ANNUALLY TO DEMONSTRATE THE VOLATILE ORGANIC COMPOUND DESTRUCTION EFFICIENCY OF THE AIR POLLUTION CONTROL SYSTEM OF AT LEAST 95 PERCENT. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH A TEST PROTOCOL APPROVED BY THE AQMD. THE TEST DATA SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST. THE OPERATOR SHALL NOTIFY AQMD AT LEAST 10 DAYS BEFORE THE TEST DATE.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

### Emissions and Requirements:

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 367148  
Granted 05/26/2000**

**Equipment Description:**

BOILER, 8.2 MMBTUHR (HHV), NATURAL GAS FIRED ONLY, MIURRA BOILER WEST INC., MODEL NO. LX-200 SG, WATER TUBE TYPE, WITH ONE LOW NO<sub>x</sub> BURNER.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE FUEL GAS USAGE TO NO MORE THAN 188,400 SCF PER DAY. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL FLOW METER TO ACCURATEDLY INDICATE THE FUEL USAGE. THE OPERATOR SHALL MAINTAIN RECORDS IN A MANNER APPROVED BY THE DISTRICT TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL TEST THIS EQUIPMENT IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:  
THE TEST SHALL BE CONDUCTED TO DETERMINE COMPLIANCE WITH THE CONCENTRATION LIMITS AND THE EMISSIONS OF CO, NO<sub>x</sub>, AND PM. THE INITIAL TEST SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER THE STARTUP. THE OPERATOR SHALL SUBMIT A TEST PROTOCOL TO THE DISTRICT AT LEAST 90 DAYS PRIOR TO THE INITIAL TESTING. THE DISTRICT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST. THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT NO LATER THAN 60 DAYS AFTER THE TEST.  
[RULE 1303(a)(1) BACT]

**Periodic Monitoring: NONE**

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### Emissions and Requirements:

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

CO: 2000 PPMV, RULE 407  
CO: 50 PPMV AVERAGED OVER 60 MINUTES, RULE 1303(a)(1) BACT  
CO: 400 PPMV, RULE 1303(a)(1) BACT  
NOx: 40 PPMV, RULE 1303(a)(1) BACT  
NOx: 12 PPMV AVERAGED OVER 60 MINUTES, RULE 1303(a)(1) BACT  
PM: RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS)

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 411574  
Granted 07/11/2003**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT TO THIS TANK SHALL NOT EXCEED 2,366,828 BBL PER CALENDAR MONTH. THE OPERATOR SHALL CALCULATE THROUGHPUT, IN BARRELS PER MONTH, USING MANUAL TANK GAUGING MEASUREMENTS REFERENCED TO A STRAPPING TABLE AND/OR CUSTODY TRANSFER METERING. MANUAL TANK GAUGING MEASUREMENTS SHALL BE MADE PRIOR TO AND AT THE COMPLETION OF WITHDRAWAL OF LIQUID FROM THE TANK. THE OPERATOR SHALL MAINTAIN RECORDS IN A MANNER APPROVED BY AQMD TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

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

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 411585  
Granted 07/11/2003**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGHPUT TO THIS TANK SHALL NOT EXCEED 2,366,828 BBL PER CALENDAR MONTH. THE OPERATOR SHALL CALCULATE THROUGHPUT, IN BARRELS PER MONTH, USING MANUAL TANK GAUGING MEASUREMENTS REFERENCED TO A STRAPPING TABLE AND/OR CUSTODY TRANSFER METERING. MANUAL TANK GAUGING MEASUREMENTS SHALL BE MADE PRIOR TO AND AT THE COMPLETION OF WITHDRAWAL OF LIQUID FROM THE TANK. THE OPERATOR SHALL MAINTAIN RECORDS IN A MANNER APPROVED BY AQMD TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 420656  
Granted 04/21/2004

#### Equipment Description:

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

#### Conditions:

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

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

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

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 420953  
Granted 02/18/2004**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463 AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1178]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

RULE 463  
RULE 1149  
RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 430915  
Granted 09/17/2004

#### Equipment Description:

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

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGH PUT TO THIS TANK SHALL NOT EXCEED 17,700,000 BBLs. PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL SUBMIT TO THE DISTRICT, THE FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE GEODESIC DOME COVER WITHIN 30 DAYS AFTER ITS CONSTRUCTION IS COMPLETED.  
[RULE 204]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1178]

Periodic Monitoring: NONE

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**Emissions and Requirements:**

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

RULE 463  
RULE 1149  
RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 430918  
Granted 09/17/2004

#### Equipment Description:

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

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGH PUT TO THIS TANK SHALL NOT EXCEED 17,250,000 BBLs. PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL SUBMIT TO THE DISTRICT, THE FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE GEODESIC DOME COVER WITHIN 30 DAYS AFTER ITS CONSTRUCTION IS COMPLETED.  
[RULE 204]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1178]

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

RULE 463  
RULE 1149  
RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 430920  
Granted 09/17/2004

#### Equipment Description:

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

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THROUGH PUT TO THIS TANK SHALL NOT EXCEED 17,280,000 BBLs. PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1303(b)(2) OFFSETS]
- 4) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 5) THE OPERATOR SHALL SUBMIT TO THE DISTRICT, THE FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE GEODESIC DOME COVER WITHIN 30 DAYS AFTER ITS CONSTRUCTION IS COMPLETED.  
[RULE 204]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1178]

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

RULE 463  
RULE 1149  
RULE 1178

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

**PERMIT TO CONSTRUCT**

**A/N 431553  
Granted 09/23/2004**

**Equipment Description:**

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

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE OPERATOR SHALL LIMIT THE THROUGHPUT TO THE TANK TO 100 TURNOVERS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 6) DISPLACED VAPORS DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING SHALL BE VENTED TO THE VAPOR COMBUSTOR WHICH SHALL BE IN FULL USE AND HAVE A VALID PERMIT TO OPERATE. THE VAPOR COLLECTION SYSTEM CONNECTION TO THIS TANK SHALL REMAIN CLOSED EXCEPT DURING TANK DEGASSING AND REFILLING UNTIL THE ROOF IS FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 7) THE OPERATOR SHALL SUPPLY TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER THE TANK IS PUT BACK INTO SERVICE, AS-BUILT DRAWINGS AND SPECIFICATIONS OF THE PONTOON FLOATING ROOF AND TANK SEALS.  
[RULE 204]

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

- 8) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT AS REQUIRED TO COMPLY WITH DISTRICT RULES 463, 1149, AND 1178 AND INCLUDING TYPES OF LIQUID STORED, THROUGHPUT, AND VAPOR PRESSURE OF SUCH LIQUID. RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1178]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

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

RULE 463  
RULE 1149  
RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 475409  
Granted 09/05/2008

#### Equipment Description:

STORAGE TANK NO. 200, 25'-0" DIA. X 26'-0" H., 84,000 GALLONS CAPACITY, WELDED SHELL, DOMED, EXTERNAL DOUBLE DECK FLOATING ROOF TANK WITH A MECHANICAL SHOE PRIMARY SEAL AND A RIM MOUNTED SECONDARY SEAL

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE THROUGHPUT FOR THIS TANK SHALL NOT EXCEED 10,000 BBL PER MONTH. THE OPERATOR SHALL KEEP RECORDS TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK.
  - B. COMMODITY STORED AND DATES OF STORAGE.
  - C. TRUE VAPOR PRESSURE, IN PSIA, AT ACTUAL TEMPERATURE, OF EACH COMMODITY STORED.
  - D. SEMI-ANNUAL TANK INSPECTIONS AND OTHER RECORDS THAT ARE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 463, 1178, AND 40CFR60 SUBPART Ka.

**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2**

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

[RULE 463, RULE 1149, RULE 1178, 40CFR60 SUBPART Ka]

6) THE OPERATOR SHALL PROVIDE TO THE DISTRICT THE FOLLOWING ITEMS:

A. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE GEODISIC DOME COVER TO BE INSTALLED/CONSTRUCTED AT LEAST 30 DAYS PRIOR TO ITS CONSTRUCTION.

B. AS-BUILT MARKUP DRAWINGS OF COMPLETED CONSTRUCTION WITH DEVIATIONS FROM DRAWINGS SUBMITTED IN RESPONSE TO PARAGRAPH A OF THIS CONDITION CLEARLY INDICATED. NOTE: ONLY DRAWING SHEETS WHERE DEVIATIONS ARE INDICATED NEED BE SUBMITTED.

[RULE 204]

7) THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THE EQUIPMENT IS NOT COMPLETED WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT, UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.

[RULE 204]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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

RULE 463  
RULE 1149  
RULE 1178

## FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORPORATION, TERMINAL 2

### PERMIT TO CONSTRUCT

A/N 498583  
Granted --/--

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM SERVING FLOATING ROOF TANK NOS. 201, 202, 203, 204, 206, 207, 217, 218, 219, 220, 223, 228, 230, 231, AND 232 DURING DEGASSING AND REFILLING OPERATIONS, CONSISTING OF THE FOLLOWING:

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

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS EQUIPMENT SHALL VENT STORAGE TANKS NOS. 201, 202, 203, 204, 206, 207, 217, 218, 219, 220, 223, 228, 230, 231, AND 232 DURING TANK DEGASSING AND REFILLING OPERATIONS UNTIL THE TANK ROOFS ARE FLOATING.  
[RULE 1149, RULE 1303(a)(1) BACT]
- 4) WITH PRIOR APPROVAL FROM THE EXECUTIVE OFFICER, THIS EQUIPMENT MAY BE REPLACED BY A CONTRACTOR WITH AN EQUIVALENT AIR POLLUTION CONTROL DEVICE FOR DEGASSING OPERATION.  
[RULE 1149]

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- 5) THE OPERATOR SHALL MAINTAIN AN OPERATING RECORD OF THE VAPOR DEGASSING UNIT, WHICH INCLUDES BUT IS NOT LIMITED TO THE SCHEDULE OF DEGASSING AND REFILLING THE TANKS, THE PRODUCT BEING REFILLED AND THE TIME THAT THE DEGASSING UNIT IS IN OPERATION. SUCH RECORDS SHALL BE KEPT AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1149]

### Periodic Monitoring:

- 6) THE AFTERBURNER SHALL BE OPERATED AT A TEMPERATURE OF AT LEAST 1400 DEGREES FAHRENHEIT AND 0.5 SECONDS RESIDENCE TIME, OR AT AN EFFICIENCY OF AT LEAST 95%. A CONTINUOUSLY RECORDING TEMPERATURE MEASURING DEVICE, ACCURATE TO PLUS OR MINUS 10 DEGREES FAHRENHEIT SHALL BE INSTALLED TO INDICATE THE OPERATING TEMPERATURE OF THE COMBUSTION CHAMBER OF THE AFTERBURNER. TEMPERATURE RECORDS SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST. THE TEMPERATURE MEASURING DEVICE SHALL BE CALIBRATED AT LEAST ONCE EVERY 12 MONTHS.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]
- 7) A SOURCE TEST SHALL BE CONDUCTED ANNUALLY TO DEMONSTRATE THE VOLATILE ORGANIC COMPOUND DESTRUCTION EFFICIENCY OF THE AIR POLLUTION CONTROL SYSTEM OF AT LEAST 95 PERCENT. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH A TEST PROTOCOL APPROVED BY THE AQMD. THE TEST DATA SHALL BE KEPT ON FILE AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST. THE OPERATOR SHALL NOTIFY AQMD AT LEAST 10 DAYS BEFORE THE TEST DATE.  
[RULE 1303(a)(1) BACT, RULE 3004(a)(4) PERIODIC MONITORING]

### Emissions and Requirements:

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