



## FACILITY PERMIT TO OPERATE

**ARCO TERMINAL SERVICES CORP., TERMINAL 2  
1350 PIER B ST  
LONG BEACH, CA 90813**

### NOTICE

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

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

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

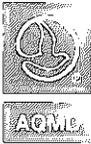
By   
for Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



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ARCO TERMINAL SERVICES CORP., TERMINAL 2**

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**FACILITY PERMIT TO OPERATE  
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**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** ARCO TERMINAL SERVICES CORP., TERMINAL 2

**LEGAL OPERATOR (if different than owner):**

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

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

**RESPONSIBLE OFFICIAL:** ERIKA HARDING

**TITLE:** OPERATIONS AND MAINTENANCE MANAGER

**TELEPHONE NUMBER:** (714) 690-2361

**CONTACT PERSON:** DONNA M. DIROCCO

**TITLE:** ENVIRONMENTAL COORDINATOR

**TELEPHONE NUMBER:** (562) 499-2202

**INITIAL TITLE V PERMIT ISSUED:** January 26, 2009

**TITLE V PERMIT EXPIRATION DATE:** January 25, 2014

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx:</b>	<b>NO</b>
	<b>SOx:</b>	<b>NO</b>
	<b>CYCLE:</b>	<b>0</b>
	<b>ZONE:</b>	<b>COASTAL</b>



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





**FACILITY PERMIT TO OPERATE  
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**Facility Equipment and Requirements  
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to 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  
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**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
C17687	M16086	STO. TANK #224 EXT FLOATING ROOF, ORG. LIQ	5
C17688	M12944	STO. TANK #225 EXT FLOATING ROOF, ORG. LIQ	6
C17689	M13342	STO. TANK #226 EXT FLOATING ROOF, ORG. LIQ	7
C17692	M12916	STO. TANK #229 EXT FLOATING ROOF, ORG. LIQ	8
107487	M32298	STO. TANK #233 INT FLOATING ROOF, ORG. LIQ	9
143365	M63152	STO. TANK #227 EXT FLOATING ROOF, ORG. LIQ	10
167308	D05285	STO. TANK #222 DOMED EXT FLOATING ROOF, ORG. LIQ.	11
177246	D14131	ICE (50-500HP) EM FIRE FGHT - GASOLINE	12
208526	D28296	STO. TANK #209 INT FLOATING ROOF, ORG. LIQ	13
208527	D28297	STO. TANK #213 INT FLOATING ROOF, ORG. LIQ	14
208528	D28298	STO. TANK #214 INT FLOATING ROOF, ORG. LIQ	16
208529	D28299	STO. TANK #215 INT FLOATING ROOF, ORG. LIQ	17
208530	D34420	STO. TANK #216 INT FLOATING ROOF, ORG. LIQ	18
277458	G13790	VAPOR CONTROL SYSTEM, THERMAL OXIDIZER	19
307619	D93728	STO. TANK #220 DOMED EXT FLOATING ROOF, ORG. LIQ.	23
307621	D93729	STO. TANK #219 DOMED EXT FLOATING ROOF, ORG. LIQ.	25
334733	G12460	STO. TANK #231 EXT FLOATING ROOF, ORG. LIQ.	27
334734	G12461	STO. TANK #232 EXT FLOATING ROOF, ORG. LIQ.	28
340626	G12459	STO. TANK #230 EXT FLOATING ROOF, ORG. LIQ.	29
362316	F24119	WASTE H2O TREATING > 50,000 GPD	31
411574	G12439	STO. TANK #217 DOMED EXT FLOATING ROOF, ORG. LIQ.	34
411585	G12458	STO. TANK #218 DOMED EXT FLOATING ROOF, ORG. LIQ.	36
411625	F61202	STO. TANK #205 EXT FLOATING ROOF, ORG. LIQ	38
420656	G12440	STO. TANK #228 EXT FLOATING ROOF, CRUDE OIL	39
420953	G12441	STO. TANK #221 DOMED EXT FLOATING ROOF, ORG. LIQ.	41
430915	G12442	STO. TANK #203 EXT FLOATING ROOF, ORG. LIQ.	42
430918	G12443	STO. TANK #202 DOMED EXT FLOATING ROOF, ORG. LIQ.	44
430920	G12444	STO. TANK #201 DOMED EXT FLOATING ROOF, ORG. LIQ.	46
431553	G12445	STO. TANK #223 DOMED EXT FLOATING ROOF, ORG. LIQ.	48
446012	F83677	STO. TANK #204 DOMED EXT FLOATING ROOF, ORG. LIQ.	50
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
475409	G12446	STO. TANK #200 DOMED EXT. FLOATING ROOF, ORG. LIQ.	65
497560	G12457	MARINE BULK LDNG/UNLDN,MISC.HYDROCARB. BERTH 76	67
497561	G12456	MARINE BULK LDNG/UNLDN,MISC.HYDROCARB. BERTH 77	70



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497563	G12694	MARINE BULK LDNG/UNLDN,MISC.HYDROCARB. BERTH 78	73
498583	G13780	AIR POLLUTION CONTROL SYSTEM, DEGASSING FLARE	76



**FACILITY PERMIT TO OPERATE  
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**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. 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  
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**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  
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**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. 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. 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  
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**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  
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**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

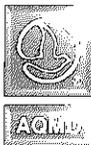
**Conditions:**

- 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



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**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 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**



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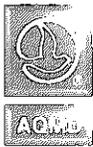
**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

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**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 TURNS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVALS. THE HYDROCARBON CONCENTRATION SHALL NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463, RULE 1178]
- 5) THIS TANK MUST NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 6) THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, OF IDENTITY, THROUGHPUT, AND VAPOR PRESSURE OF STORED LIQUIDS.  
[RULE 463]

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

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



**FACILITY PERMIT TO OPERATE  
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

**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. G13790  
A/N 277458**

**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. NITROGEN GENERATOR, 50 SCFM.
3. HYDROCARBON VAPOR COLLECTION ARMS (3), EQUIPPED WITH 6" DIA. VAPOR HOSES, TWO 10" DIA. AND ONE 8" DIA. DETONATION ARRESTORS.
4. BLOWER KNOCKOUT DRUM, 3'-0" DIA. X 8'-6" H., 250 GALLON CAPACITY.
5. BLOWER KNOCKOUT DRUM PUMP.
6. HYDROCARBON VAPOR BLOWERS (3), 976 ACFM, 100 HP EACH.
7. LIQUID SEAL DRUM, 4'-0" DIA. X 10'-0" H., 400 GALLON CAPACITY
8. LIQUID SEAL DRUM PUMP.
9. OXYGEN ANALYZERS (6).

**Conditions:**

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



**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. 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. SAMPLE PORTS SHALL BE LOCATED AT THE INLET AND EXHAUST OF THE AFTERBURNER AND SHALL COMPLY WITH DISTRICT RULE 217.
  - D. THE DISTRICT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE DISTRICT.
  - E. 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.
  - F. 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 CORP. 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) AFTER THE INITIAL PERFORMANCE TEST, ARCO SHALL CONDUCT A PERFORMANCE TEST ANNUALLY IN ACCORDANCE WITH CONDITION NO. 3 FOR THE MOST VOLATILE LIQUID LOADED AT THIS TERMINAL.  
[RULE 204, RULE 1142]
- 7) ON OR BEFORE JULY 1, 2013, THE OPERATOR SHALL PERFORM SOURCE TEST(S) TO DEMONSTRATE COMPLIANCE WITH THE APPLICABLE REQUIREMENTS FOR NOX EMISSIONS AS SPECIFIED BY RULE 1147. THE SOURCE TESTING SHALL MEET THE REQUIREMENTS SPECIFIED IN RULE 1147 AND THE SOURCE TEST REPORT(S) SHALL BE KEPT ON FILE AT THE FACILITY AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1147]
- 8) ON OR BEFORE JANUARY 1, 2011, THE OPERATOR SHALL INSTALL AND MAINTAIN IN SERVICE NON-RESETTABLE, TOTALIZING, FUEL AND TIME METER TO MEASURE FUEL CONSUMPTION AND OPERATING TIME FOR THERMAL OXIDIZER.  
[RULE 1147]
- 9) THE OPERATOR SHALL PERFORM COMBUSTION SYSTEM MAINTENANCE IN ACCORDANCE WITH THE MANUFACTURER'S SCHEDULE AS SPECIFICATIONS AS IDENTIFIED IN THE MANUAL AND/OR OTHER WRITTEN MATERIALS SUPPLIED BY THE MANUFACTURER OR DISTRIBUTOR. THE OPERATOR SHALL MAINTAIN ON SITE A COPY OF THESE WRITTEN MAINTENANCE INSTRUCTIONS AND RETAIN A WRITTEN RECORD OF THE MAINTENANCE ACTIVITY FOR A PERIOD OF NOT LESS THAN 5 YEARS.  
[RULE 1147]

### Periodic Monitoring:

- 10) 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]



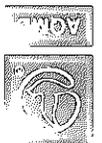
**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

- 11) 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:**

- 12) 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 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 TURNS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE OPERATOR SHALL USE AN EXPLOSIOMETER 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]



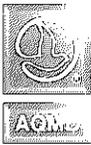
**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

- 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. G12460  
A/N 334733**

**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**

**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. G12461  
A/N 334734**

**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**



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

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**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. G12439  
A/N 340626**

**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 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, BREAKTHROUGH 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. G12439  
A/N 411574**

**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 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, 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 CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. G12458  
A/N 411585**

**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 CORP. 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 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. G12440  
A/N 420656**

**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 CORP. 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 CORP. TERMINAL 2**

**PERMIT TO OPERATE**

Permit No. G12441  
A/N 420953

**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 CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. G12442  
A/N 430915**

**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 CORP. 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 CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. G12443  
A/N 430918**

**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 CORP. 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 CORP. TERMINAL 2**

**PERMIT TO OPERATE**

**Permit No. G12444  
A/N 430920**

**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 CORP. 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 CORP. TERMINAL 2

### PERMIT TO OPERATE

Permit No. G12445  
A/N 431553

#### 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 CORP. 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 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:  $V/H_t \times H_a$ , 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. 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:

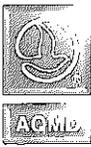
THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $V/H_t \times H_a$ , WHERE:

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

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

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

[RULE 1303(b)(2) OFFSETS]



## FACILITY PERMIT TO OPERATE 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,  
 $H_t$  = HEIGHT OF THE TANK BASED ON THE TANK STRAPPING CHART  
 $H_a$  = TOTAL VERTICAL, ONE-WAY LIQUID SURFACE LEVEL TRAVEL IN FT/MONTH.

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

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

[RULE 1303(b)(2) OFFSETS]



**FACILITY PERMIT TO OPERATE  
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**



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

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**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**



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

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**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.

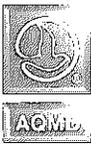
**Conditions:**

- 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**



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

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**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**



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

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**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. G12446  
A/N 475409

**Equipment Description:**

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

**Conditions:**

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



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

[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 CORP. TERMINAL 2**

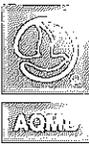
**PERMIT TO OPERATE**

**Permit No. G12457  
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]



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

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**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. G12456  
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**



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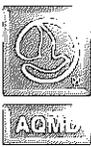
**FACILITY PERMIT TO OPERATE  
ARCO TERMINAL SERVICES CORP. TERMINAL 2**

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**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. G12694  
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).



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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]



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- 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  
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**PERMIT TO OPERATE**

**Permit No. G13780  
A/N 498583**

**Equipment Description:**

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

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

**Conditions:**

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



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

- 6) ON OR BEFORE JULY 1, 2013, THE OPERATOR SHALL PERFORM SOURCE TEST(S) TO DEMONSTRATE COMPLIANCE WITH THE APPLICABLE REQUIREMENTS FOR NOX EMISSIONS AS SPECIFIED BY RULE 1147. THE SOURCE TESTING SHALL MEET THE REQUIREMENTS SPECIFIED IN RULE 1147 AND THE SOURCE TEST REPORT(S) SHALL BE KEPT ON FILE AT THE FACILITY AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1147]
- 7) ON OR BEFORE JANUARY 1, 2011, THE OPERATOR SHALL INSTALL AND MAINTAIN IN SERVICE NON-RESETTING, TOTALIZING, FUEL AND TIME METER TO MEASURE FUEL CONSUMPTION AND OPERATING TIME FOR THERMAL OXIDIZER.  
[RULE 1147]
- 8) THE OPERATOR SHALL PERFORM COMBUSTION SYSTEM MAINTENANCE IN ACCORDANCE WITH THE MANUFACTURER'S SCHEDULE AS SPECIFICATIONS AS IDENTIFIED IN THE MANUAL AND/OR OTHER WRITTEN MATERIALS SUPPLIED BY THE MANUFACTURER OR DISTRIBUTOR. THE OPERATOR SHALL MAINTAIN ON SITE A COPY OF THESE WRITTEN MAINTENANCE INSTRUCTIONS AND RETAIN A WRITTEN RECORD OF THE MAINTENANCE ACTIVITY FOR A PERIOD OF NOT LESS THAN 5 YEARS.  
[RULE 1147]

### Periodic Monitoring:

- 9) 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]
- 10) 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:

- 11) 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

### 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)



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

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**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



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

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**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)



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





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

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**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>
	<b>NO CURRENT PERMITS TO CONSTRUCT</b>	

**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.