



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

Title Page	
Facility ID:	800286
Revision #:	1
Date:	January 27, 2012

FACILITY PERMIT TO OPERATE

**ARCO TERMINAL SERVICES CORP
2350 OBISPO AVE
SIGNAL HILL, CA 90755**

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

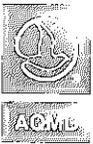
By 
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



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

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FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: ARCO TERMINAL SERVICES CORP

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2350 OBISPO AVE
SIGNAL HILL, CA 90755

MAILING ADDRESS: 5905 PARAMONT BLVD
LONG BEACH, CA 90805

RESPONSIBLE OFFICIAL: ERIKA HARDING

TITLE: DISTRICT OPERATIONS AND MAINTENANCE MGR

TELEPHONE NUMBER: (714) 690-2361

CONTACT PERSON: STEPHEN COMLEY

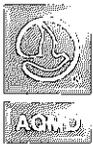
TITLE: ENVIRONMENTAL COORDINATOR

TELEPHONE NUMBER: (562) 728-2265

TITLE V PERMIT ISSUED: January 26, 2009

TITLE V PERMIT EXPIRATION DATE: January 25, 2014

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



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: BULK LOADING AND UNLOADING					
System 1: GASOLINE BULK LOADING RACK NO. 1					S1.1, S1.2, S13.1
BULK LOADING/UNLOADING RACK WITH A/N: 341692 LOADING ARM, BOTTOM, WITH DRY-BREAK CONNECTION, 6 TOTAL; DIAMETER: 6 IN VAPOR RETURN LINE, 2 TOTAL; DIAMETER: 4 IN	D102	C17		TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]; VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]; VOC: 80 MG/L (8) [40CFR 60 Subpart XX, 3-2-1984]	E71.1, E336.1
PUMP, P-26, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2 & 3) AND 100 HP MOTOR A/N: 341692	D83			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, P-29, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2, & 3) AND 100 HP MOTOR A/N: 341692	D86			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
PUMP, P-30, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2, & 3) AND 100 HP MOTOR A/N: 341692	D87			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
FILTER, FUEL, FRAM, PROXIMATE TO TANK 30021 A/N: 341692	D210				

- | | |
|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor | (2) (2A) (2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits | (10) See section J for NESHAP/MACT requirements |

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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Process 1: BULK LOADING AND UNLOADING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 341692	D211			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
System 2: GASOLINE BULK LOADING RACK NO. 2					S1.1, S1.2, S13.1
BULK LOADING/UNLOADING RACK WITH A/N: 165819 LOADING ARM, BOTTOM, WITH DRY-BREAK CONNECTION, 6 TOTAL; DIAMETER: 6 IN VAPOR RETURN LINE, 2 TOTAL; DIAMETER: 4 IN	D88	C17		TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]; VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]; VOC: 80 MG/L (8) [40CFR 60 Subpart XX, 3-2-1984]	E71.1, E336.1
PUMP, P-26, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2 & 3) AND 100 HP MOTOR A/N: 341692	D83			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, P-29, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2, & 3) AND 100 HP MOTOR A/N: 341692	D86			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
PUMP, P-30, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2, & 3) AND 100 HP MOTOR A/N: 341692	D87			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	

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| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
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(7) Denotes NSR applicability limit
(9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements</p> |
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Process 1: BULK LOADING AND UNLOADING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165819	D212			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
System 3: GASOLINE BULK LOADING RACK NO. 3					
BULK LOADING/UNLOADING RACK WITH A/N: 165818 LOADING ARM, BOTTOM, WITH DRY-BREAK CONNECTION, 8 TOTAL; DIAMETER: 6 IN VAPOR RETURN LINE, 2 TOTAL; DIAMETER: 4 IN	D65	C17		TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]; VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]; VOC: 80 MG/L (8) [40CFR 60 Subpart XX, 3-2-1984]	S1.1, S1.2, S13.1 E71.1, E336.1
PUMP, P-26, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2 & 3) AND 100 HP MOTOR A/N: 341692	D83			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, P-29, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2, & 3) AND 100 HP MOTOR A/N: 341692	D86			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: BULK LOADING AND UNLOADING					
PUMP, P-30, LOADING, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 1, 2, & 3) AND 100 HP MOTOR A/N: 341692	D87			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
PUMP, P-31, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 3, 4 & 5) AND 75 HP MOTOR A/N: 165818	D224			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
PUMP, P-32, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 3, 4 & 5) AND 75 HP MOTOR A/N: 165818	D225			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165818	D213			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
System 4: GASOLINE BULK LOADING RACK NO. 4					S1.1, S1.2, S13.1

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: BULK LOADING AND UNLOADING					
BULK LOADING/UNLOADING RACK WITH A/N: 165815 LOADING ARM, BOTTOM, WITH DRY-BREAK CONNECTION, 6 TOTAL; DIAMETER: 6 IN VAPOR RETURN LINE, 2 TOTAL; DIAMETER: 4 IN	D25	C17		TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]; VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]; VOC: 80 MG/L (8) [40CFR 60 Subpart XX, 3-2-1984]	E71.1, E336.1
PUMP, P-22, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 4 & 5) AND 75 HP MOTOR, 3 TOTAL A/N: 165815	D39			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, P-31, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 3, 4 & 5) AND 75 HP MOTOR A/N: 165818	D224			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
PUMP, P-32, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 3, 4 & 5) AND 75 HP MOTOR A/N: 165818	D225			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165815	D214			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: BULK LOADING AND UNLOADING					
System 5: GASOLINE BULK LOADING RACK NO. 5					S1.1, S1.2, S13.1
BULK LOADING/UNLOADING RACK WITH A/N: 165817 LOADING ARM, BOTTOM, WITH DRY-BREAK CONNECTION, 6 TOTAL; DIAMETER: 6 IN VAPOR RETURN LINE, 2 TOTAL; DIAMETER: 4 IN	D51	C17		TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]; VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]; VOC: 80 MG/L (8) [40CFR 60 Subpart XX, 3-2-1984]	E71.1, E336.1
PUMP, P-22, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 4 & 5) AND 75 HP MOTOR, 3 TOTAL A/N: 165815	D39			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, P-31, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 3, 4 & 5) AND 75 HP MOTOR A/N: 165818	D224			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	
PUMP, P-32, LOADING, INLINE, WITH MECHANICAL SEAL (COMMON TO RACK NOS. 3, 4 & 5) AND 75 HP MOTOR A/N: 165818	D225			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 2-28-1997]	

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: BULK LOADING AND UNLOADING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165817	D215			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
System 6: TANK TRUCK UNLOADING RACK NO. 6					
BULK MATERIAL UNLOADING STATION WITH A/N: 333581 UNLOADING ARM, 2 TOTAL; DIAMETER: 6 IN	D42			VOC: 80 MG/L (8) [40CFR 60 Subpart XX, 3-2-1984]	E71.1
PUMP, P-35, UNLOADING, WITH MECHANICAL SEAL AND 20 HP MOTOR A/N: 333581	D48				H23.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 333581	D216				H23.3
Process 2: STORAGE TANKS					
System 1: INTERNAL FLOATING ROOF					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30022, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165726 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D1			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	S13.3, S13.4 C1.1, C6.2, H23.2, K67.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30021, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165727 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D2			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30023, WITH A 15 HP MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165731 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D4			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 107, WITH A MIXER, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 341701 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D5			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C6.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30026, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 341704 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D6			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3

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Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30025, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165737 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D7			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.1, H23.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30027, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165738 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D8			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30028, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165739 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D9			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30029, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 341705 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D10			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30030, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165741 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D11			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C1.1, C6.2, H23.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 102, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 518246 FLOATING ROOF, STEEL PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, RIM MOUNTED	D12			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C6.2, K67.3

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 104, WITH A MIXER, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 341696 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D13			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C6.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 30024, WITH A MIXER, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 165730 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED	D129			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.1, C6.2, H23.2, K67.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 101, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 518245 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, RIM MOUNTED	D134			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C1.2, C6.1, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 105, WITH A MIXER, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 341698 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D135			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C1.2, C6.1, K67.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 108, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 518247 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, RIM MOUNTED	D150			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.5, C6.1, H23.2, K67.3
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 109, WITH A MIXER, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 341703 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D151			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	B22.1, C1.5, C6.1, H23.2, K67.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165741	D218			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
System 2: PRESSURIZED TANK					S13.5

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, PRESSURIZED, NO. V1, LIQUIFIED PETROLEUM GAS, WITH TWO PRESSURE RELIEF VALVES VENTED TO ATMOSPHERE, 30000 GALS; DIAMETER: 10 FT 1 IN; LENGTH: 60 FT A/N: 226664	D130				
STORAGE TANK, PRESSURIZED, NO. V2, LIQUIFIED PETROLEUM GAS, WITH TWO PRESSURE RELIEF VALVES VENTED TO ATMOSPHERE, 30000 GALS; DIAMETER: 10 FT 1 IN; LENGTH: 60 FT A/N: 226665	D131				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 226665	D219				H23.3
System 3: FIXED ROOF					
STORAGE TANK, GASOLINE ADDITIVE, FIXED ROOF, 3023 GALS; DIAMETER: 6 FT 3 IN; LENGTH: 13 FT 6 IN A/N: 285687	D152				C1.3, H23.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 285687	D220				H23.3
System 4: DOMED FLOATING ROOF TANKS					S13.3, S13.4

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: STORAGE TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 103, WITH A MIXER, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 51 FT WITH A/N: 341695 FLOATING ROOF, DOUBLE DECK, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE DOME COVER, GEODESIC	D153			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C1.4, C6.1, K67.3
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 106, WITH A MIXER, 100000 BBL; DIAMETER: 120 FT ; HEIGHT: 48 FT WITH A/N: 341700 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED DOME COVER, GEODESIC	D154			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	C1.4, C6.1, K67.3
Process 3: WASTEWATER TREATMENT					

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: WASTEWATER TREATMENT					
System 1: WASTEWATER TREATMENT					
OIL WATER SEPARATOR, BOX, UNCOVERED, WIDTH: 7 FT ; HEIGHT: 9 FT 6 IN; LENGTH: 15 FT A/N: 165822	D119				H23.8
STORAGE TANK, FIXED ROOF, R-1, OIL-WATER SEPARATOR, 500 BBL; DIAMETER: 15 FT ; HEIGHT: 16 FT A/N: 165822	D120				H23.8
STORAGE TANK, FIXED ROOF, R-2, SLOP OIL, 500 BBL; DIAMETER: 15 FT ; HEIGHT: 16 FT A/N: 165822	D121				B22.3, H23.5, K67.3
PUMP, OILY-WATER SUMP, SUBMERSIBLE AND WITH 5 HP MOTOR A/N: 165822	D122				
PUMP, P-104, SLOP OIL, MECHANICAL SEAL AND WITH 3 HP MOTOR A/N: 165822	D123				H23.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165822	D217				H23.3
System 2: WASTEWATER HANDLING SYSTEM					
SUMP, PROXIMATE TO TANK NO. 30026, TANK WATER DRAW, FIXED COVERED, WITH A 3 HP SUBMERSIBLE PUMP, 480 GALS; WIDTH: 4 FT ; DEPTH: 4 FT ; LENGTH: 4 FT A/N: INACTIVE	D146	C243			

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|--|--|
| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: WASTEWATER TREATMENT					
SUMP, PROXIMATE TO TANK 103, TRUCK LOADING RACK DRAIN, CLOSED TOP, WITH 3 HP & 30 HP SUBMERSIBLE PUMPS, 3384 GALS; DIAMETER: 8 FT ; DEPTH: 9 FT A/N: INACTIVE	D147				
SUMP, SHIPPING AREA, STORM WATER RUNOFF AND SPILLAGE DRAIN, CLOSED TOP, WITH 1.5 HP SUBMERSIBLE PUMP, 1112 GALS; WIDTH: 5 FT ; DEPTH: 6 FT ; LENGTH: 5 FT A/N: INACTIVE	D148				
SUMP, WEST MANIFOLD, STORM WATER RUNOFF AND SPILLAGE DRAIN, CLOSED TOP, WITH 1.5 HP SUBMERSIBLE PUMP, 750 GALS; WIDTH: 5 FT ; DEPTH: 4 FT ; LENGTH: 5 FT A/N: INACTIVE	D149				
CARBON ADSORBER, ONE OR MORE 55 GALLON DRUM(S) CONNECTED IN SERIES, FILLED WITH AT LEAST 150 LBS GRANULAR ACTIVATED CARBON A/N: 510633	C243	D146			
Process 4: MISCELLANEOUS					
System 1: DIESEL DRYING AND BLENDING					
DRYER, SALT, NO. V-6, 7 FT. DIA. X 20 FT. H., WITH ONE (1) PRV VENTED TO ATMOSPHERE A/N: 165813	D14				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: MISCELLANEOUS					
PUMP, P-24, TRANSFER, WITH MECHANICAL SEAL AND 75 HP MOTOR A/N: 165813	D16				H23.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165813	D221				H23.3
System 2: CLAY TREATING FACILITY					
VESSEL, CLAY TREATING, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 165821	D116				
VESSEL, CLAY TREATING, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 165821	D117				
PUMP, CIRCULATING, WITH MECHANICAL SEAL AND 40 HP MOTOR A/N: 165821	D118				H23.3
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 165821	D222				H23.3
System 3: CALIBRATION FACILITY					
TANK, UNDERGROUND GASOLINE SUMP, FIXED ROOF, 31 BBL; DIAMETER: 5 FT ; HEIGHT: 9 FT A/N: INACTIVE	D125	C244			
PUMP, GASOLINE RETURN, WITH A 5 HP MOTOR A/N: INACTIVE	D126			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: MISCELLANEOUS					
CARBON ADSORBER, ONE OR MORE 55 GALLON DRUM(S) CONNECTED IN SERIES, FILLED WITH AT LEAST 150 LBS GRANULAR ACTIVATED CARBON A/N: 510635	C244	D125			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: INACTIVE	D223			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
System 4: EMERGENCY INTERNAL COMBUSTION ENGINE					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, PUMP DRIVE, DIESEL FUEL, CUMMINS, MODEL N-855F, 200 BHP A/N: 185762	D132			PM: (9) [RULE 404, 2-7-1986]	C1.6, D135.1, H23.9, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, PUMP DRIVE, GASOLINE, WAUKESHA, MODEL 145GZ, 200 BHP A/N: 185761	D133			PM: (9) [RULE 404, 2-7-1986]	C1.6, D135.1, H23.9, K67.2
Process 5: AIR POLLUTION CONTROL					
System 1: CARBON ADSORBER WITH REGENERATION SYSTEM					
CARBON ADSORBER, MCGILL/HYDROTECH MODEL 1004 ADSORPTION/ ABSORPTION VAPOR RECOVERY UNIT, REGENERABLE TYPE, 2 TOTAL, 25,000 LBS EACH A/N: 165814	C17	D25 D51 D65 D88 D102			D28.1, E448.1
VESSEL, SEPARATOR/ABSORBER A/N: 165814	D19				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

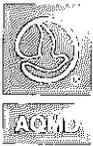
SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: AIR POLLUTION CONTROL					
COOLER A/N: 165814	D20				
VACUUM PUMP, RULE 219 EXEMPT, WITH 60 HP MOTOR A/N: 165814	D21				
PUMP, P-37, GASOLINE SUPPLY, WITH MECHANICAL SEAL AND 15 HP MOTOR A/N: 165814	D22			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, GASOLINE RETURN, WITH MECHANICAL SEAL AND 10 HP MOTOR A/N: 165814	D23			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
PUMP, GLYCOL, WITH MECHANICAL SEAL AND 3 HP MOTOR A/N: 165814	D24			TOC: (10) [40CFR 63 Subpart R, #1 (Major Sources), 12-19-2003]	H23.3
Process 6: Rule 219 Exempt Equipment Subject to Source-Specific Requirements					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT	E207			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-6-2005]	H23.6
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E208			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-9-2004; RULE 1171, 11-7-2003; RULE 1171, 5-6-2005]	K67.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**



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

SECTION D: DEVICE ID INDEX

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C17	21	5	1
D19	21	5	1
D20	22	5	1
D21	22	5	1
D22	22	5	1
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D24	22	5	1
D25	5	1	4
D39	5	1	4
D39	6	1	5
D42	7	1	6
D48	7	1	6
D51	6	1	5
D65	3	1	3
D83	1	1	1
D83	2	1	2
D83	3	1	3
D86	1	1	1
D86	2	1	2
D86	3	1	3
D87	1	1	1



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

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D87	2	1	2
D87	4	1	3
D88	2	1	2
D102	1	1	1
D116	20	4	2
D117	20	4	2
D118	20	4	2
D119	18	3	1
D120	18	3	1
D121	18	3	1
D122	18	3	1
D123	18	3	1
D125	20	4	3
D126	20	4	3
D129	13	2	1
D130	16	2	2
D131	16	2	2
D132	21	4	4
D133	21	4	4
D134	14	2	1
D135	14	2	1
D146	18	3	2
D147	19	3	2
D148	19	3	2
D149	19	3	2
D150	15	2	1
D151	15	2	1
D152	16	2	3
D153	17	2	4
D154	17	2	4
E207	22	6	0
E208	22	6	0
D210	1	1	1
D211	2	1	1
D212	3	1	2



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

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D213	4	1	3
D214	5	1	4
D215	7	1	5
D216	7	1	6
D217	18	3	1
D218	15	2	1
D219	16	2	2
D220	16	2	3
D221	20	4	1
D222	20	4	2
D223	21	4	3
D224	4	1	3
D224	5	1	4
D224	6	1	5
D225	4	1	3
D225	5	1	4
D225	6	1	5
C243	19	3	2
C244	21	4	3



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 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, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records of the monthly (or quarterly where applicable) and subsequent repair and reinspection of VOC fugitive components subject to District Rule 1173

[RULE 1173, 5-13-1994; RULE 1173, 12-6-2002]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR80

Title 13, California Code of Regulations



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[40CFR 80, 7-1-1999; CCR Title 13, 9-24-1999]

SYSTEM CONDITIONS

S1.1 The operator shall limit the loading rate to no more than 600,000 gallon(s) per day.

For the purpose of this condition, loading rate shall be defined as the combined loading rate of diesel fuel for Loading Rack No. 1 (System 1), Loading Rack No. 2 (System 2), Loading Rack No. 3 (System 3), Loading Rack No. 4 (System 4), and Loading Rack No. 5 (System 5).

[RULE 462, 5-14-1999]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 4 , 5]

S1.2 The operator shall limit the loading rate to no more than 900,000 gallon(s) per day.

For the purpose of this condition, loading rate shall be defined as the combined loading rate of gasoline for Loading Rack No. 1 (System 1), Loading Rack No. 2 (System 2), Loading Rack No. 3 (System 3), Loading Rack No. 4 (System 4), and Loading Rack No. 5 (System 5).

[RULE 462, 5-14-1999]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 4 , 5]

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart



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

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

VOC	40CFR60, SUBPART	XX
VOC	District Rule	462
HAPs	40CFR63, SUBPART	R

[RULE 462, 5-14-1999; 40CFR 60 Subpart XX, 12-19-2003; 40CFR 63 Subpart R, 12-19-2003]

[Systems subject to this condition : Process 1, System 1, 2, 3, 4, 5; Process 5, System 1]

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	R

[40CFR 63 Subpart R, 12-19-2003]

[Systems subject to this condition : Process 2, System 1, 4]

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

[RULE 1149, 7-14-1995; RULE 1178, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Systems subject to this condition : Process 2, System 1 , 4]

S13.5 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149

[RULE 1149, 7-14-1995; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 2, System 2]

S18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Gasoline Loading Racks (Process: 1, System: 1 to 5)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 462, 5-14-1999; 40CFR 60 Subpart XX, 3-2-1984; 40CFR 63 Subpart R, 12-19-2003]

[Systems subject to this condition : Process 5, System 1]

DEVICE CONDITIONS

B. Material/Fuel Type Limits

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 11 psia or greater under actual operating conditions.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2, D4, D6, D7, D8, D9, D10, D129, D150, D151]

B22.3 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.5 psia or greater under actual operating conditions.

[RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition : D121]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the number of turnovers to no more than 60 in any one year.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1, D2, D4, D6, D7, D8, D9, D10, D11, D129]

C1.2 The operator shall limit the number of turnovers to no more than 40 in any one year.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D134, D135]

C1.3 The operator shall limit the number of turnovers to no more than 365 in any one year.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D152]

- C1.4 The operator shall limit the throughput to no more than 10,402,500 barrels in any one year.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D153, D154]

- C1.5 The operator shall limit the throughput to no more than 2,555,000 barrels in any one year.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D150, D151]

- C1.6 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D132, D133]

- C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

The operator shall monitor at least twice a year.

[RULE 1178, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition : D7, D134, D135, D150, D151, D153, D154]

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 50 percent of the Lower Explosive Limit.

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

The operator shall monitor at least twice a year.

[RULE 1178, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition : D1, D2, D4, D5, D6, D8, D9, D10, D11, D12, D13, D129]

D. Monitoring/Testing Requirements

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted at least once every three years.

The test shall be conducted to determine the bulk loading rate in gallons per hour during the source test.

The test shall be conducted to determine the total VOC emission rate in pounds per 1000 gallons of organic liquid loaded and in milligrams per liter of organic liquid loaded.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 462, 5-14-1999; 40CFR 60 Subpart XX, 3-2-1984]

[Devices subject to this condition : C17]

- D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D132, D133]

E. Equipment Operation/Construction Requirements

- E71.1 The operator shall not load organic liquids with a vapor pressure of 1.5 psia or greater under actual conditions into this equipment until the rack has been certified as required in Rule 462(d)(1)(A).

[RULE 462, 5-14-1999]

[Devices subject to this condition : D25, D42, D51, D65, D88, D102]



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E336.1 The operator shall vent the vent gases from this equipment as follows:

All vent gases from this loading rack shall be vented to a vapor control system [carbon adsorber with regeneration system (Process 5, System 1)] and shall not be vented to any other loading rack.

This equipment shall not be operated unless the carbon adsorption system is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 462, 5-14-1999; 40CFR 60 Subpart XX, 3-2-1984; 40CFR 63 Subpart R, 12-19-2003]

[Devices subject to this condition : D25, D51, D65, D88, D102]

E448.1 The operator shall comply with the following requirements:



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall operate and maintain a continuous monitoring system (CMS) to measure the Nonmethane Hydrocarbon (NMHC) concentration of the exhaust gas of the vapor recovery system in accordance with all data and specifications submitted with the most recently approved Rule 462 Compliance Plan.

The Nonmethane Hydrocarbon (NMHC) concentration at the exhaust of the air pollution control system shall not exceed 1.9%, measured as propane on an instantaneous basis, or 0.38% measured as propane based on a rolling 15 minute average. Upon measurement of the MNHC concentration exceeding any one of these limits, venting of vapors to the carbon adsorbers shall cease for at least a period equal to one complete cleaning cycle of each carbon adsorber (30 minutes on a 15 minute cycle time).

Venting to the carbon adsorbers shall not resume until the NMHC concentration at the exhaust is below both limits.

The range of the data aquisition system shall be set such that the maximum hydrocarbon concentration of 0.38 percent is between 30% and 90% of full scale.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 462, 5-14-1999]

[Devices subject to this condition : C17]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Ka

[40CFR 60 Subpart Ka, 5-5-1989]



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

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D1, D2, D4, D6, D7, D8, D9, D10, D11, D129, D150, D151]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 5-13-1994; RULE 1173, 12-6-2002]

[Devices subject to this condition : D16, D22, D23, D24, D39, D48, D83, D118, D123, D126, D211, D212, D213, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition : D152]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463



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

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

VOC	District Rule	1149
VOC	District Rule	1178

[RULE 1149, 7-14-1995; RULE 1178, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition : D121]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1171

[RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]

[Devices subject to this condition : E207]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464

[RULE 464, 12-7-1990]

[Devices subject to this condition : D119, D120]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:



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

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Contaminant	Rule	Rule/Subpart
HAPs	District Rule	1470

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D132, D133]

K. Record Keeping/Reporting

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The date of operation, the elapse time in hours, and the reasons for operation

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**]

[Devices subject to this condition : D132, D133]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid

[**RULE 463, 3-11-1994; RULE 463, 5-6-2005; 40CFR 60 Subpart Ka, 5-5-1989**]

[Devices subject to this condition : D1, D2, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D121, D129, D134, D135, D150, D151, D153, D154]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating 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 coatings.

For 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 coatings.

[RULE 1113, 11-8-1996; RULE 1113, 7-9-2004]

[Devices subject to this condition : E208]



FACILITY PERMIT TO OPERATE ARCO TERMINAL SERVICES CORP

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
317909	463
511326	462

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



South Coast Air Quality Management District

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

Attention: Stephen Comley
Environmental Health & Safety Coordinator

July 23, 1998

Company: ARCO Terminal Services Corp.

ID #060035

Los Angeles Refinery

Application #317909

5900 Cherry Ave.

Long Beach, CA 90805

Subject: Compliance Plan for Rule 463 (e)(1)(A)

The Rule 463 Compliance and Maintenance Plan you submitted on June 30, 1996 is complete and is approved as submitted.

You are required to comply with all information as submitted with your Compliance Plan application, including the inspection schedule and the list of certified auditors. Changes to this plan that involve modifications or additions to your equipment inventory list require a new application for plan modification to update and reflect your current operations per Rule 463(e). Additionally, any changes to the inspection schedule or the list of certified auditors must be provided to the District in writing.

If you need additional information regarding this approval, please contact Sonny Aurelio at (909)396-3060 or Mira Schwab at (909)396-3116.

Sincerely,

Pang Mueller
Senior Manager
Refinery/Energy and OCS
Stationary Source Compliance



RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN
FACILITY ID 800286 –ARCO TERMINAL SERVICES CORPORATION

LEGAL OWNER OR OPERATOR ARCO Terminal Services Corporation
FACILITY LOCATION 2350 Obispo Ave.
Signal Hill, CA 90755
COMPLIANCE OPTION Code of Federal Regulations Title 40 Part 63 Subpart R Section 63.427 and Code of Federal Regulations Title 40 Part 60 Appendix B, as applicable
MAILING ADDRESS 5905 Paramount Boulevard
Long Beach, CA 90805

ADMINISTRATIVE REQUIREMENTS

This facility shall be subject to the terms and conditions of this compliance plan unless this plan is suspended, revoked, modified, reissued, or denied. Failure to maintain a valid plan is a violation of AQMD Rule 462.

It is the responsibility of the facility to comply with other District Rules and Regulations and with all laws, ordinances and regulations of other government agencies which are applicable to the operation of the equipment. A copy of this compliance plan shall be displayed in the vicinity of the subject equipment.

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

CONTINUOUS MONITORING SYSTEM (CMS) EQUIPMENT

CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF A SUMMIT IR-702D, INFRARED GAS ANALYZER AND A YOKAGAWA DAQSTATION DX2000 SERIES (OR EQUIVALENT) RECORDER SERVING A MCGILL, INC. CARBON ADSORPTION SYSTEM

CONDITIONS

1. The operator shall conduct the operation of this CMS in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. The CMS shall sample and analyze gas from the outlet of the carbon adsorption system to accurately measure the nonmethane hydrocarbon (NMHC) concentration at the exhaust of vapor recovery unit.
3. The CMS shall provide and the data recorder shall retain the instantaneous NMHC concentration and a continuous 15-minute average NMHC concentration, measured at the exhaust of the carbon adsorption system.
4. The operator shall maintain a display of the NMHC concentrations in a location accessible to district personnel.



RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN
FACILITY ID 800286 –ARCO TERMINAL SERVICES CORPORATION

5. Daily calibration error tests shall be performed on the CMS at the low (0-20 percent) and high (80-100 percent) ranges of concentration. The calibration error shall not exceed 2.5 percent of the full scale range.
6. Testing of the CMS for relative accuracy (RA) and calibration drift, as described in 40 CFR 60 Appendix B, shall be conducted in conjunction with the carbon adsorption system performance testing required by the permit for the carbon adsorption system.
7. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets applicable requirements of 40 CFR 63.427 and 40 CFR 60 Appendix B, specification 8. The applicability of 40 CFR 63.427 is pursuant to AQMD rule 462(f)(2).
8. The operator shall maintain the recording device in proper operation at all times such that it is accurately synchronized with the correct time of day.
9. The recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the NMHC concentration within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.
10. The operator shall notify the executive officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of the failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of the failure. The provisions of this condition do not apply when the vapor conveyance line at the inlet to the carbon adsorption system is closed.
11. The operator shall keep records on site to show compliance with conditions required by this plan. Such records shall be kept for at least five years and made available to district personnel upon request.