South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

May 20, 2008

Susan Perrell
Environmental Advisor, LA Basin
AERA Energy LLC (ID 104017)
20101 Goldenwest St.
Huntington Beach, CA 92648-2628

Subject: Title V Permit to Operate

Dear Ms. Perrell:

Enclosed is your facility's final Title V Permit that has been issued by the South Coast Air Quality Management District (AQMD). Effective June 1, 2008, the Title V permit replaces all existing Permits to Operate and Permits to Construct that have been issued by the AQMD to AERA Energy LLC (Facility ID 104017).

Thank you for providing the necessary information that allowed the AQMD to complete the evaluation of your facility with respect with federal Title V requirements. If there are questions on the Title V permit please contact Mr. John Yee, Senior Air Quality Engineer of the Energy Team at 909.396.2531.

Sincerely,

Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering and Compliance

Enclosure

jty

cc: Gerardo Rios, USEPA (R9AirPermits_SC@EPA)
William Thompson, Title V Administration
Ed Pupka, Compliance
Energy Unit Files

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

Title Page
Facility I.D.#: 104017
Revision #: 27
Date: June 01, 2008

FACILITY PERMIT TO OPERATE

AERA ENERGY LLC
20101 GOLDENWEST ST
HUNTINGTON BEACH, CA 92648

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

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

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FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

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

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	AERA ENERGY LLC
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	20101 GOLDENWEST ST HUNTINGTON BEACH, CA 92648-2628
MAILING ADDRESS:	20101 GOLDEN WEST ST ATTN: DIANA LANG HUNTINGTON BEACH, CA 92648
RESPONSIBLE OFFICIAL:	WILLIAM A MORRIS
TITLE:	MANAGER OF OPERATIONS - LA BASIN
TELEPHONE NUMBER:	(714) 969-3533
CONTACT PERSON:	SUSAN PERRELL
TITLE:	ENVIRONMENTAL ADVISOR, LA BASIN
TELEPHONE NUMBER:	(714) 969-3234
TITLE V PERMIT ISSUED:	June 01, 2008
TITLE V PERMIT EXPIRATION DATE:	May 31, 2013

TITLE V	RECLAIM	
YES	NOx:	YES
	SOx:	NO
	CYCLE:	1
	ZONE:	COASTAL

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002.Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC[1] Holding as of 06/01/08 (pounds)	Non-Tradable[2] Non-Usable RTCs (pounds)
1/2006	12/2006	Coastal	1014006	808	0
7/2005	6 /2006	Inland	0	0	0
1/2007	12/2007	Coastal	1014006	4008	0
7/2006	6 /2007	Inland	0	0	0
1/2008	12/2008	Coastal	1014006	322566	10368
7/2007	6 /2008	Inland	0	0	0
1/2009	12/2009	Coastal	1014006	318341	20736
7/2008	6 /2009	Inland	0	0	864
1/2010	12/2010	Coastal	1014006	307973	31104
7/2009	6 /2010	Inland	0	0	1728
1/2011	12/2011	Coastal	1014006	258855	34129
7/2010	6 /2011	Inland	0	0	2592
1/2012	12/2012	Coastal	1014006	258855	34129
7/2011	6 /2012	Inland	0	0	3456
1/2013	12/2013	Coastal	1014006	258855	34129
7/2012	6 /2013	Inland	0	0	3456
1/2014	12/2014	Coastal	1014006	258855	34129

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC[1] Holding as of 06/01/08 (pounds)	Non-Tradable[2] Non-Usable RTCs (pounds)
7/2013	6 /2014	Inland	0	0	3456
1/2015	12/2015	Coastal	1014006	258855	34129
7/2014	6 /2015	Inland	0	0	3456
1/2016	12/2016	Coastal	1014006	258855	34129
7/2015	6 /2016	Inland	0	0	3456
1/2017	12/2017	Coastal	1014006	258855	34129
7/2016	6 /2017	Inland	0	0	3456
1/2018	12/2018	Coastal	1014006	258855	34129
7/2017	6 /2018	Inland	0	0	3456
1/2019	12/2019	Coastal	1014006	258855	34129
7/2018	6 /2019	Inland	0	0	3456
1/2020	12/2020	Coastal	1014006	258855	34129
7/2019	6 /2020	Inland	0	0	3456
1/2021	12/2021	Coastal	1014006	258855	34129
7/2020	6 /2021	Inland	0	0	3456
1/2022	12/2022	Coastal	1014006	258855	34129
7/2021	6 /2022	Inland	0	0	3456

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002.Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC[1] Holding as of 06/01/08 (pounds)	Non-Tradable[2] Non-Usable RTCs (pounds)
1/2023	12/2023	Coastal	1014006	258855	34129
7/2022	6 /2023	Inland	0	0	3456

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase an annual allocation to a level greater than the facility's Starting Allocation plus Non-Tradable Credits as listed below, the application will be evaluated for compliance with Rule 2005(c)(4). Rule 2005(e)-Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year			NOx RTC Starting Allocation	Non-Tradable Credits(NTCs)
Begin	End	Zone	(pounds)	(pounds)
1/1994	12/1994	Coastal	2024198	94979

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

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 : CRUDE OIL/GAS PRODUCTION					
System 1 : CRUDE OIL/GAS/WATER SEPARATION					
VESSEL, V-104, FREE WATER KNOCK OUT, LENGTH: 40 FT; DIAMETER: 10 FT A/N: 450152	D1				I30.1
VESSEL, V-107, FREE WATER KNOCK OUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D2				I30.1
VESSEL, V-108, FREE WATER KNOCK OUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D3				I30.1
VESSEL, V-109, FREE WATER KNOCK OUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D4				I30.1
VESSEL, V-110, FREE WATER KNOCK OUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D5				I30.1
VESSEL, V-111, FREE WATER KNOCK OUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D6				I30.1
VESSEL, V-114, FREEWATER KNOCKOUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D7				I30.1

* (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
VESSEL, V-115, FREE WATER KNOCK OUT, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 450152	D8				I30.1
TANK, HOLDING, T-101, CRUDE OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 450152	D10				E57.1, E127.1, H23.5, I30.1
TANK, HOLDING, T-102, CRUDE OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 450152	D11				E57.1, E127.1, H23.5, I30.1
TANK, HOLDING, T-103, WET OIL DIVERT, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 450152	D12				E57.1, E127.1, H23.5, I30.1
TANK, HOLDING, T-104, WET OIL DIVERT, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 450152	D13				E57.1, E127.1, H23.5, I30.1
TANK, HOLDING, T-318, SKIM OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 450152	D15				E57.1, E127.1, H23.5, I30.1

* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
PIT, NO.1, WASTE OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, WIDTH: 40 FT 6 IN; LENGTH: 59 FT 6 IN A/N: 450152	D17				E57.1, H23.4, I30.1
VESSEL, SEPARATOR, V-150, RELIEF KNOCKOUT DRUM, LENGTH: 15 FT; DIAMETER: 8 FT A/N: 450152	D41				H23.3
TANK, SURGE, T-317, STAND-BY SURGE/SKIM OIL TANK, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 450152	D14				E57.1, E127.1, E193.1, H23.5, I30.1
System 2 : WASTE WATER TREATMENT					
FLOATATION UNIT, WEMCO, T-337, VENTED TO VAPOR RECOVERY COMPRESSOR, 550 BBL A/N: 458437	D23				E127.1, H23.4, I30.1
FLOATATION UNIT, WEMCO, T-338, VENTED TO VAPOR RECOVERY COMPRESSOR, 550 BBL A/N: 458437	D24				E127.1, H23.4, I30.1
TANK, SURGE, T-317, STAND-BY SURGE/SKIM OIL TANK, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 450152	D14				E57.1, E127.1, E193.1, H23.5, I30.1

* (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
TANK, SURGE, T-350,, INJECTION WATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 458437	D215				E57.1, E127.1, H23.5
TANK, SURGE, T-326, RAINWATER, 2300 BBL; DIAMETER: 29 FT; HEIGHT: 20 FT A/N: 458437	D28				I30.1
TANK, SURGE, T-327, RAINWATER, 2300 BBL; DIAMETER: 29 FT; HEIGHT: 20 FT A/N: 458437	D29				I30.1
TANK, SURGE, T-328, RAINWATER, 2300 BBL; DIAMETER: 29 FT; HEIGHT: 20 FT A/N: 458437	D30				I30.1
TANK, SURGE, T-360, RAINWATER, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 458437	D34				I30.1
OIL WATER SEPARATOR, T-339, 1000 BBL CAPACITY,, VENTED TO THE VAPOR RECOVERY COMPRESSOR, LENGTH: 60 FT; DIAMETER: 12 FT A/N: 458437	D36				E57.1, E127.1, H23.7, I30.1
PIT, NO. 3, SKIM, VENTED TO THE VAPOR RECOVERY COMPRESSOR A/N: 458437	D40				E57.1, H23.4, I30.1

* (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
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FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
TANK, HOLDING, T-340,, OILY WATER, VACUUM TRUCK OFFLOADING, VENTED TO VAPOR RECOVERY COMPRESSOR, 180 BBL; DIAMETER: 12 FT; HEIGHT: 15 FT 1 IN A/N: 458437	D216				E57.1, E127.1, H23.3, I30.1
TANK, HOLDING, T-341,, OILY WATER, VACUUM TRUCK OFFLOADING, VENTED TO VAPOR RECOVERY COMPRESSOR, 180 BBL; DIAMETER: 12 FT; HEIGHT: 15 FT 1 IN A/N: 458437	D217				E57.1, E127.1, H23.3, I30.1
TANK, HOLDING, T-342, OILY WATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 1000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 8 FT A/N: 458437	D218				E57.1, E127.1, H23.5, I30.1
TANK, HOLDING, T-343, OILY WATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 1000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 8 FT A/N: 458437	D219				E57.1, E127.1, H23.5, I30.1
TANK, HOLDING, T-345, DRAIN/RAIN WATER, SUMP DRAIN, VENTED TO VAPOR RECOVERY COMPRESSOR, 53 BBL; WIDTH: 5 FT; HEIGHT: 5 FT; LENGTH: 12 FT A/N: 458437	D220				E57.1, E127.1, I30.1

* (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
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FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
System 3 : GAS GATHERING					
SCRUBBER, FUEL GAS, V-322, HEIGHT: 6 FT; DIAMETER: 1 FT 6 IN A/N: 480944	D82				I30.1
SCRUBBER, WET GAS, V-323, LENGTH: 10 FT; DIAMETER: 4 FT 2 IN A/N: 480944	D120				I30.1
GAS SEPARATOR, V-100, (NORTH BOLSA), VENTING TO THE HUNTINGTON BEACH GAS PLANT., HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 480944	D19				I30.1
SCRUBBER, SOUTH BOLSA, HEIGHT: 8 FT; DIAMETER: 3 FT A/N: 480944	D145				I30.1
SCRUBBER, LEASE 392 A/N: 480944	D146				I30.1
SCRUBBER, LEASE 425 A/N: 480944	D147				I30.1
SCRUBBER, LEASE 426 A/N: 480944	D148				I30.1
SCRUBBER, HIGH PRESSURE, HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 480944	D128				I30.1
SCRUBBER, LOW PRESSURE, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 480944	D130				I30.1

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(2)(2A)(2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
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FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
SCRUBBER, SUCTION, EMMY HIGH PRESSURE GAS, HEIGHT: 6 FT; DIAMETER: 2 FT 6 IN A/N: 480944	D170				I30.1
SCRUBBER, DISCHARGE, EMMY HIGH PRESSURE GAS, HEIGHT: 6 FT; DIAMETER: 1 FT 4 IN A/N: 480944	D171				I30.1
SCRUBBER, EMMY LOW PRESSURE CASING GAS, HEIGHT: 12 FT; DIAMETER: 5 FT A/N: 480944	D221				I30.1
System 4 : GAS DESULFURIZATION (STRETFORD UNIT)					
SCRUBBER, V-1, WET GAS, HEIGHT: 13 FT 7 IN; DIAMETER: 6 FT A/N: 416211	D42				
ABSORBER, V-2 (STRETFORD UNIT FOR H2S ABSORPTION), HEIGHT: 25 FT; DIAMETER: 3 FT 6 IN A/N: 416211	D20				
ABSORBER, V-3 (STRETFORD UNIT FOR H2S ABSORPTION), HEIGHT: 25 FT; DIAMETER: 3 FT 6 IN A/N: 416211	D43				
ABSORBER, V-5 (STRETFORD UNIT FOR H2S ABSORPTION), (STANDBY), HEIGHT: 25 FT; DIAMETER: 3 FT 6 IN A/N: 416211	D45				

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5)(5A)(5B) Denotes command and control emission limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
SCRUBBER, V-4, LIQUID SCRUBBER, HEIGHT: 13 FT 7 IN; DIAMETER: 6 FT A/N: 416211	D46				
PROCESS TANK, T-2, REACTION TANK, HEIGHT: 9 FT 6 IN; DIAMETER: 12 FT A/N: 416211	D47				
PROCESS TANK, UNHEATED, BACKUP SULFUR SLURRY TANK, SULFUR SLURRY, OPEN TOP, 470 BBL; WIDTH: 8 FT; HEIGHT: 11 FT; LENGTH: 30 FT A/N: 416211	D172				I30.1
PROCESS TANK, T-3, OXIDIZER TANK, HEIGHT: 20 FT 9 IN; DIAMETER: 12 FT A/N: 416211	D48				
PROCESS TANK, UNHEATED, T-1, SULFUR SLURRY HOLDING TANK, HEIGHT: 8 FT; DIAMETER: 8 FT A/N: 416211	D83				
PROCESS TANK, MIXING TANK, HEIGHT: 4 FT; DIAMETER: 4 FT A/N: 416211	D85				
STORAGE TANK, STRETFORD SOLUTION, HEIGHT: 10 FT; DIAMETER: 10 FT A/N: 416211	D86				

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(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
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 1 : CRUDE OIL/GAS PRODUCTION					
System 6 : NATURAL GAS STABILIZATION					S13.1, S13.2
KNOCK OUT POT, V-601, COMPRESSOR SUCTION A/N: 473512	D64				
KNOCK OUT POT, V-602, COMPRESSOR 1ST STAGE DISCHARGE A/N: 473512	D65				
KNOCK OUT POT, V-606, COMPRESSOR 2ND STAGE DISCHARGE A/N: 473512	D133				
VESSEL, V-604, H2S REMOVAL TOWER (PACKED WITH SULFATREAT OR EQUIVALENT MATERIAL), HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 473512	D80				I30.1
VESSEL, V-605, H2S REMOVAL TOWER (PACKED WITH SULFATREAT OR EQUIVALENT MATERIAL), HEIGHT: 20 FT; DIAMETER: 6 FT A/N: 473512	D101				I30.1
VESSEL, SEPARATOR, V-603, GLYCOL, LENGTH: 8 FT; DIAMETER: 3 FT A/N: 473512	D79				
KNOCK OUT POT, V-607, LIQUID KNOCKOUT A/N: 473512	D134				

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(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.)
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Process 1 : CRUDE OIL/GAS PRODUCTION					
VESSEL, V-701, GLYCOL FLASH DRUM A/N: 473512	D136				
VESSEL, V-801, REFRIGERANT COMPRESSOR SUCTION DRUM A/N: 473512	D137				
VESSEL, V-802, REFRIGERANT SURGE DRUM A/N: 473512	D138				
VESSEL, V-803, GAS/LUBE OIL SEPARATOR A/N: 473512	D139				
STORAGE TANK, T-703, GLYCOL STORAGE A/N: 473512	D141				
SUMP, T-704, GLYCOL COLLECTION A/N: 473512	D142				
SUMP, T-705, OPEN DRAIN A/N: 473512	D143				
COLUMN, GLYCOL STILL, HEIGHT: 8 FT; DIAMETER: 1 FT A/N: 473512	D173				
HEAT EXCHANGER, COMPRESSOR 1ST STAGE DISCHARGE COOLER, E-601 A/N: 473512	D174				

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(4) Denotes BACT emission limit
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(6) Denotes air toxic control rule limit
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Process 1 : CRUDE OIL/GAS PRODUCTION					
HEAT EXCHANGER, COMPRESSOR 2ND STAGE DISCHARGE COOLER, E-602, AIR COOLED A/N: 473512	D175				
HEAT EXCHANGER, GAS TO GAS, E-603 A/N: 473512	D176				
HEAT EXCHANGER, GAS CHILLER, E-604 A/N: 473512	D177				
HEAT EXCHANGER, RICH-LEAN GLYCOL, E-701 A/N: 473512	D178				
REGENERATOR, GLYCOL REGENERATOR, E-702, ELECTRICAL, 142 KW A/N: 473512	D179				
HEAT EXCHANGER, GLYCOL REGENERATOR OFF-GAS COOLER, E-703, AIR COOLED A/N: 473512	D180				
HEAT EXCHANGER, REFRIGERANT CONDENSER, E-801, AIR COOLED A/N: 473512	D181				
HEAT EXCHANGER, LUBE OIL COOLER, E-802, AIR COOLED A/N: 473512	D182				

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(4) Denotes BACT emission limit
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(6) Denotes air toxic control rule limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 ; CRUDE OIL/GAS PRODUCTION					
FILTER, F-901, INLET GAS COALESCING FILTER, HEIGHT: 4 FT; DIAMETER: 2 FT A/N: 473512	D183				I30.1
TOWER, T-901, GLYCOL CONTACT, PACKED COLUMN WITH INTEGRAL BOTTOM SCRUBBER/WIRE MESH SCREEN, HEIGHT: 29 FT; DIAMETER: 1 FT 2 IN A/N: 473512	D184				I30.1
COLUMN, T-902, GLYCOL REGENERATION A/N: 473512	D185				I30.1
DRUM, V-900, RICH GLYCOL A/N: 473512	D186				I30.1
FILTER, F-902, RICH GLYCOL PARTICULATE FILTER, HEIGHT: 4 FT; DIAMETER: 2 FT A/N: 473512	D187				I30.1
FILTER, F-903, RICH GLYCOL CARBON FILTER, HEIGHT: 4 FT; DIAMETER: 2 FT A/N: 473512	D188				I30.1
HEAT EXCHANGER, LEAN-RICH GLYCOL EXCHANGER, E-901 A/N: 473512	D189				I30.1
REGENERATOR, GLYCOL RE-BOILER, V-901, ELECTRICAL, 40 KW A/N: 473512	D190				I30.1

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Process 1 : CRUDE OIL/GAS PRODUCTION					
COLUMN, T-903, GLYCOL STRIPING, HEIGHT: 8 FT; DIAMETER: 1 FT A/N: 473512	D191				I30.1
DRUM, V-902, GLYCOLSURGE A/N: 473512	D192				I30.1
HEAT EXCHANGER, LEAN GLYCOL FIN-FAN COOLER, E-900, AIR COOLED A/N: 473512	D193				I30.1
DRUM, V-904, VAPOR RECOVERY KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM A/N: 473512	D194				E57.1, I30.1
System 7 : NATURAL GAS DEHYDRATION UNIT (Platform Emmy Gas)					*S13.1, S13.2*
FILTER, F-900, INLET GAS COALESCING FILTER, HEIGHT: 4 FT; DIAMETER: 2 FT A/N: 425913	D195				I30.1
TOWER, T-900, GLYCOL CONTACT, PACKED COLUMN WITH AN INTEGRAL BOTTOM SCRUBBER AND WIRE MESH SCREEN, HEIGHT: 29 FT; DIAMETER: 1 FT 2 IN A/N: 425913	D196				I30.1
FILTER, F-904, EMMY GAS COALESCING FILTER, HEIGHT: 8 FT; DIAMETER: 2 FT A/N: 425913	D197				I30.1

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
System 8 : FUGITIVE EMISSION DEVICES					
FUGITIVE EMISSIONS, PUMPS A/N: 450152	D76				H23.1
FUGITIVE EMISSIONS, COMPRESSORS A/N: INACTIVE	D77				H23.1
FUGITIVE EMISSIONS, VALVES A/N: 450152	D78				H23.1
FUGITIVE EMISSIONS, FLANGES A/N: 450152	D108				H23.1
FUGITIVE EMISSIONS, DRAINS A/N: 450152	D112				H23.3
FUGITIVE EMISSIONS, PRV A/N: 450152	D113				H23.1
System 9 : Di-Ethanol Amine Unit (CO2 Removal)					
FILTER, F-1001, INLET GAS COALESCING FILTER, WITH PRV SET AT 350 PSIG, VENTING TO APC SYSTEM, HEIGHT: 6 FT 9 IN; DIAMETER: 9 IN A/N: 434611	D199	D131			I30.1
TOWER, T-1006, AMINE CONTACTOR, PACKED COLUMN, WITH PRV SET AT 350 PSIG, VENTING TO APC SYSTEM, HEIGHT: 20 FT; DIAMETER: 2 FT A/N: 434611	D201	D131			D12.2, D90.1, I30.1

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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 1 : CRUDE OIL/GAS PRODUCTION					
VESSEL, V-1003, AMINE FLASH TANK, WITH PRV SET AT 100 PSIG, VENTING TO APC SYSTEM, HEIGHT: 10 FT; DIAMETER: 3 FT 6 IN A/N: 434611	D204	D131			D12.3, D90.2, I30.1
FILTER, F-1003, PARTICULATE FILTER, WITH PRV SET AT 100 PSIG, VENTING TO CLOSED DRAIN HEADER, HEIGHT: 4 FT; DIAMETER: 3 FT A/N: 434611	D205				I30.1
FILTER, F-1004, CHARCOAL FILTER (1,030 LBS CHARCOAL), WITH PRV SET AT 250 PSIG, VENTING TO CLOSED DRAIN HEADER, HEIGHT: 8 FT; DIAMETER: 2 FT 6 IN A/N: 434611	D206				I30.1
HEAT EXCHANGER, E-1002, LEAN/RICH AMINE EXCHANGER, SHELL AND TUBE TYPE, 0.74 MMBTU/HR A/N: 434611	D207				I30.1
TOWER, T-1007, AMINE REGENERATOR, WITH PRV SET AT 50 PSIG, VENTING TO ATMOSPHERE, HEIGHT: 28 FT; DIAMETER: 2 FT A/N: 434611	D208				I30.1

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
HEATER, V-1007, AMINE RE-BOILER, NATURAL GAS, MAXON, MODEL MPBC4RSFNAAA, 2.7 MMBTU/HR A/N: 434612	D209		NOX: PROCESS UNIT**	**CO:** 50 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;***RULE 1303(a)(1)-BACT,12-6-2002***]** ; **NOX:** 38.46 LBS/MMSCF NATURAL GAS (1) [*RULE 2012,3-16-2001* **RULE 2012,5-11-2001]** ; **NOX:** 12 PPMV NATURAL GAS (4) **[RULE 2005,4-9-1999;RULE 2005,4-20-2001]**	A195.1, A195.2, I30.1, I296.2
HEAT EXCHANGER, E-1003, AMINE REGENERATOR OVERHEAD CONDENSER, AIR COOLED, 0.68 MMBTU/HR, VENTING ACID GAS TO V-1005 A/N: 434611	D210	D211			I30.1
VESSEL, V-1005, REGENERATOR OVERHEAD REFLUX ACCUMULATOR, HEIGHT: 7 FT; DIAMETER: 1 FT 1 IN A/N: 434611	D211	D210			D12.4, E175.1, I30.1
HEAT EXCHANGER, E-1001, LEAN AMINE COOLER, AIR COOLED, 0.95 MMBTU/HR A/N: 434611	D212				I30.1
OXIDIZER, THERMAL, HT-1000, NATURAL GAS, F. I. COMBUSTION SYSTEMS, MODEL NO. FIRECAT #2.2.1, 2 MMBTU/HR A/N: 436452	C213		NOX: PROCESS UNIT**	**NOX:** 130 LBS/MMSCF NATURAL GAS (1) [*RULE 2012,3-16-2001;***RULE 2012,5-11-2001]**	A195.3, C6.3, C8.4, I30.1, I296.1

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(6) Denotes air toxic control rule limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : CRUDE OIL/GAS PRODUCTION					
TANK, T-1000, AMINE MAKE-UP SOLUTION, AMINE, CAPACITY 1000 GALONS, WITH PRV VENTING TO ATMOSPHERE A/N: 434611	D214				I30.1
Process 2 : INTERNAL COMBUSTION					
System 1 : EMERGENCY ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CLARKE DETROIT DIESEL, MODEL DDFP-4AT, WITH TURBOCHARGER, 235 BHP WITH A/N: 383700 PUMP, FIRE WATER	D149		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.2, D12.1, D135.1, K67.1
System 2 : PLATFORM EMMY- ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, DETROIT DIESEL, MODEL 671RC, 241 HP WITH A/N: 383701 PUMP, FIRE WATER	D44		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.2, D12.1, D135.1, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, PLATFORM EMMY, DIESEL FUEL, WAUKESHA, MODEL F674DS, 300 HP WITH A/N: 383698	D103		NOX: PROCESS UNIT**	**NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]** ; **PM:** (9) **[RULE 404,2-7-1986]**	C1.6, D12.1, D135.1, E116.1, E162.1, K67.1

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(6) Denotes air toxic control rule limit
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Process 2 : INTERNAL COMBUSTION					
GENERATOR					
INTERNAL COMBUSTION ENGINE, PLATFORM EMMY, DIESEL FUEL, DETROIT DIESEL, MODEL 7083-7005, DRIVING A CRANE, 273 HP A/N: 301273	D104		NOX: PROCESS UNIT**	**CO:** 2000 PPMV (5) *[RULE 1110.2,11-14-1997]* ; **NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]** **PM:** (9) **[RULE 404,2-7-1986]** ; **ROG:** 250 PPMV (5) *[RULE 1110.2,11-14-1997]*	C1.1, D12.1, D28.1, D323.2
System 3 : EMERGENCY INSTRUMENT AIR COMPRESSOR					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL 6BTA5.9, INSTRUMENT AIR COMPRESSOR DRIVER, WITH AFTERCOOLER, TURBOCHARGER, 174 HP WITH A/N: 394671	D168		NOX: PROCESS UNIT**	**CO:** 8.5 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996]** ; **NOX:** 469 LBS/1000 GAL DIESEL (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]** **NOX:** 6.9 GRAM/BHP-HR DIESEL (4) **[RULE 2005,4-9-1999;RULE 2005,4-20-2001]** ; **PM:** (9) **[RULE 404,2-7-1986]** ; **PM10:** 0.38 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996]**	C1.7, D12.1, D135.1, E116.1, E162.1, K67.1

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(5)(5A)(5B) Denotes command and control emission limit
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Process 2 : INTERNAL COMBUSTION					
COMPRESSOR, INSTRUMENT AIR				**VOC:** 1 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996]**	
Process 3 : PETROLEUM STORAGE/DISPENSING					
STORAGE TANK, UNDERGROUND, JET FUEL (JPA), 4000 GALS; DIAMETER: 6 FT 3 IN; HEIGHT: 19 FT 11.5 IN A/N: 301278	D68				
FUEL DISPENSING NOZZLE, JET FUEL (JPA) A/N: 301278	D63				
Process 4 : SOIL VAPOR EXTRACTION					
System 1 : THERMAL/CATALYTIC OXIDATION					
VAPOR EXTRACTION WELL A/N: 407973	D155	C156			
OXIDIZER, THERMAL, STEALTH INDUSTRIES, PROCESS GAS, PROPANE, MODEL COBRA 500, 0.85 MMBTU/HR WITH A/N: 407973	C156	D155 C157	NOX: PROCESS UNIT**	**CO:** 2000 PPMV (5) **[RULE 407,4-2-1982]** ; **NOX:** 130 LBS/MMSCF PROCESS GAS (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]**	A63.1, B59.1, B61.1, C1.3, C6.2, C8.2, I30.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : SOIL VAPOR EXTRACTION					
OXIDIZER, CATALYTIC, MONOLYTHIC TYPE, OPTIONAL	C157	C156		**NOX:** 12.8 LBS/1000 GAL PROPANE (1) **[RULE 2012,5-11-2001;RULE 2012,12-5-2003]** ; **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]** **PM:** (9) **[RULE 404,2-7-1986]**	A63.1, B59.1, C1.3, C6.1, C8.1, I30.1
Process 5 : FLARE					
KNOCK OUT POT, V-1, FLARE KNOCKOUT DRUM (PRESSURE VESSEL) A/N: 443091	D131	D199 D201 D204			I30.1
VESSEL, V-2, WATER SEAL DRUM A/N: 443091	D132	C81			I30.1
FLARE, GROUND FLARE, H-1, PROCESS GAS, HEIGHT: 40 FT; DIAMETER: 20 FT 10 IN A/N: 443091	C81	D132		**CO:** 2000 PPMV (5) **[RULE 407,4-2-1982]** ; **PM:** 0.1 GRAINS/SCF (5) **[RULE 409,8-7-1981]** ; **PM:** (9) **[RULE 404,2-7-1986]**	D12.5, I30.1

* (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
AERA ENERGY LLC

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 6 : RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E158			**VOC:** (9) [**RULE 1113,11-8-1996;***RULE 1113,12-5-2003;RULE 1171,8-2-2002;***RULE 1171,11-7-2003**]	H23.8, K67.2
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E159			**VOC:** (9) [*RULE 1171,8-2-2002;***RULE 1171,11-7-2003**]	
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < = 53 FT3, WITH DUST FILTER	E160			**PM:** (9) [*RULE 1140,8-2-1985;***RULE 404,2-7-1986;RULE 405,2-7-1986**]	D323.1
RULE 219 EXEMPT EQUIPMENT, DEGREASER, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E161			**VOC:** (9) [*RULE 1171,8-2-2002;***RULE 1171,11-7-2003**]	H23.2
Process 7 : Platform Emmy Vent Scrubber					
CARBON FILTER, T-210A, CAMERON ENVIRONMENTAL, KOH IMPREGNATED ACIVATED CARBON, MODEL 1500R, VENTING TO ATMOSPHERIC VENT POLE, HEIGHT: 7 FT 7 IN; DIAMETER: 4 FT A/N: 407975	C164				E224.1, I30.1, K67.4

* (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
AERA ENERGY LLC

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 7 : Platform Emmy Vent Scrubber					
CARBON FILTER, T-210B, CAMERON ENVIRONMENTAL, KOH IMPREGNATED ACIVATED CARBON, MODEL 1500R, VENTING TO ATMOSPHERIC VENT POLE, HEIGHT: 7 FT 7 IN; DIAMETER: 4 FT A/N: 407986	C165				E224.1, I30.1, K67.4
Process 8 : Petroleum Marketing (Tank Truck Loading)					
LOADING ARM, BOTTOM, CRUDE OIL, WITH 2 HOSES, EACH. 3" DIA. AND WITH 3" DRIP-DRY SHUT-OFF VALVE A/N: 392592	D166			**ROG:** 0.08 LBS/1000 GAL (5) **[RULE 462,5-14-1999]**	C1.4, C1.5, E71.1, E147.1, H23.9, I30.1, K67.3
VAPOR RETURN LINE, TWO 3" HOSES WITH QUICK DISCONNECT, VENTING TO VAPOR RECOVERY SYSTEM A/N: 392592	D167				C6.4, E57.2, I30.1

* (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
AERA ENERGY LLC

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
AERA ENERGY LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	1	1	1
D5	1	1	1
D6	1	1	1
D7	1	1	1
D8	2	1	1
D10	2	1	1
D11	2	1	1
D12	2	1	1
D13	2	1	1
D14	3	1	1
D14	3	1	2
D15	2	1	1
D17	3	1	1
D19	6	1	3
D20	7	1	4
D23	3	1	2
D24	3	1	2
D28	4	1	2
D29	4	1	2
D30	4	1	2
D34	4	1	2
D36	4	1	2
D40	4	1	2
D41	3	1	1
D42	7	1	4
D43	7	1	4
D44	17	2	2
D45	7	1	4
D46	8	1	4
D47	8	1	4
D48	8	1	4
D63	19	3	0
D64	9	1	6

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D65	9	1	6
D68	19	3	0
D76	14	1	8
D77	14	1	8
D78	14	1	8
D79	9	1	6
D80	9	1	6
C81	20	5	0
D82	6	1	3
D83	8	1	4
D85	8	1	4
D86	8	1	4
D101	9	1	6
D103	17	2	2
D104	18	2	2
D108	14	1	8
D112	14	1	8
D113	14	1	8
D120	6	1	3
D128	6	1	3
D130	6	1	3
D131	20	5	0
D132	20	5	0
D133	9	1	6
D134	9	1	6
D136	10	1	6
D137	10	1	6
D138	10	1	6
D139	10	1	6
D141	10	1	6
D142	10	1	6
D143	10	1	6
D145	6	1	3
D146	6	1	3
D147	6	1	3
D148	6	1	3

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D149	17	2	1
D155	19	4	1
C156	19	4	1
C157	20	4	1
E158	21	6	0
E159	21	6	0
E160	21	6	0
E161	21	6	0
C164	21	7	0
C165	22	7	0
D166	22	8	0
D167	22	8	0
D168	18	2	3
D170	7	1	3
D171	7	1	3
D172	8	1	4
D173	10	1	6
D174	10	1	6
D175	11	1	6
D176	11	1	6
D177	11	1	6
D178	11	1	6
D179	11	1	6
D180	11	1	6
D181	11	1	6
D182	11	1	6
D183	12	1	6
D184	12	1	6
D185	12	1	6
D186	12	1	6
D187	12	1	6
D188	12	1	6
D189	12	1	6
D190	12	1	6
D191	13	1	6
D192	13	1	6

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
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D194	13	1	6
D195	13	1	7
D196	13	1	7
D197	13	1	7
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D204	15	1	9
D205	15	1	9
D206	15	1	9
D207	15	1	9
D208	15	1	9
D209	16	1	9
D210	16	1	9
D211	16	1	9
D212	16	1	9
C213	16	1	9
D214	17	1	9
D215	4	1	2
D216	5	1	2
D217	5	1	2
D218	5	1	2
D219	5	1	2
D220	5	1	2
D221	7	1	3

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 fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

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

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

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

The operator shall comply with the Rule 1173 quarterly inspection and maintenance program for all valves, flanges, fittings, pumps, and other such devices in gas, vapor or light liquid VOC service

The operator shall keep records, in a manner approved by the District, of the total VOC emissions from all equipment and operations at this facility. Records shall be prepared in a format which is acceptable to the District and shall be made available upon request of the Executive Officer or his representative.

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

SYSTEM CONDITIONS

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	KKK

[40CFR 60 Subpart KKK, 11-1-1985]

[Systems subject to this condition : Process 1, System 6 , 7]

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	431.1

[RULE 431.1, 6-12-1998]

[Systems subject to this condition : Process 1, System 6 , 7]

DEVICE CONDITIONS

A. Emission Limits

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 0.65 LBS PER DAY

[RULE 1401, 5-2-2003; RULE 1402, 3-17-2000; RULE 1403, 4-8-1994]

[Devices subject to this condition : C156]

A195.1 The 50 PPMV CO emission limit(s) is averaged over 60 minutes at 3 percent oxygen, dry.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D209]

A195.2 The 12 PPMV NOX emission limit(s) is averaged over 60 minutes at 3 percent oxygen, dry.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D209]

A195.3 The 30 PPMV NOX emission limit(s) is averaged over 60 minutes at 3 percent oxygen, dry.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : C213]

B. Material/Fuel Type Limits

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.1 The operator shall not use the following material(s) in this device :

chlorinated hydrocarbons

[RULE 1401, 5-2-2003; RULE 1402, 3-17-2000; RULE 1403, 4-8-1994]

[Devices subject to this condition : C156]

B61.1 The operator shall not use process gas containing the following specified compounds:

Compound	ppm by volume
sulfur compounds calculated as hydrogen sulfide greater than	40

the 40 ppm limit shall be averaged over a 4 hours period

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : C156]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 2190 hours in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : D104]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.2 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

which includes no more than 34 hours in any one year for maintenance and testing purposes.

[RULE 1110.2, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; **RULE 2012, 5-11-2001**; **RULE 2012, 12-5-2003**]

[Devices subject to this condition : D44, D149]

C1.3 The operator shall limit the throughput to no more than 500 cubic feet per minute.

For the purpose of this condition, throughput shall be defined as air flow rate to the thermal/catalytic oxidizer.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C156]

C1.4 The operator shall limit the loading rate to no more than 9000 barrel(s) in any one day.

The operator shall use the existing LACT unit to monitor the daily tank truck loading volume and keep records of the daily loading during the tank truck loading operation.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D166]

C1.5 The operator shall limit the loading rate to no more than 270,000 barrel(s) in any one month.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D166]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.6 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

which includes no more than 20 hours in amy one year for maintenance and testing purposes.

The operation of the engine beyond the 20 hours per year alloted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or 30 minutes prior to a rotating outage provided that the grid operator or electrical utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

The engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1110.2, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; RULE 1470, 6-1-2007; **RULE 2012, 5-11-2001**; **RULE 2012, 12-5-2003**]

[Devices subject to this condition : D103]

C1.7 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

which includes no more than 50 hours in amy one year for maintenance and testing purposes.

The operation of the engine beyond the 50 hours per year alloted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or 30 minutes prior to a rotaitng outage provided that the grid operator or electrical utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engien is located in a utility service block that is subject to the rotating outage.

The engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1110.2, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; RULE 1470, 6-1-2007; **RULE 2012, 5-11-2001**; **RULE 2012, 12-5-2003**]

[Devices subject to this condition : D168]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 4000 ppm.

The operator shall use a District approved Organic Vapor Analyzer (OVA) to monitor the VOC concentration at the inlet and outlet of the catalytic oxidizer. The 4000 ppm limit is applicable to the inlet of the catalytic oxidizer.

The operator shall calibrate the instrument used to monitor the parameter in ppmv hexane.

The operator shall monitor once every day for the first seven days and weekly thereafter.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C156]

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 10000 ppm.

The operator shall use a District approved Organic Vapor Analyzer (OVA) to monitor the VOC concentration at the inlet and outlet of the oxidizer. The 10,000 ppm limit is applicable to the inlet of the thermal oxidizer.

The operator shall calibrate the instrument used to monitor the parameter in ppmv hexane.

The operator shall monitor once every day for the first seven days and weekly thereafter.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C156]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C6.3 The operator shall use this equipment in such a manner that the flow being monitored, as indicated below, does not exceed 570 CFM.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate at the inlet of the thermal oxidizer.

The measuring device or gauge shall be accurate to within +/- percent. The accuracy of the device shall be verified once every 6 months.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C213]

C6.4 The operator shall use this equipment in such a manner that the backpressure being monitored, as indicated below, does not exceed 18 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure in the vapor return line.

[RULE 462, 5-14-1999]

[Devices subject to this condition : D167]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 650 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet of the catalytic oxidizer.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C156]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the combustion chamber downstream of the flame in the thermal oxidizer.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C156]

C8.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the point at least 8 feet down stream of the combustion box..

The measuring device or gauge shall be accurate to within +/- 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

The operator shall install and maintain a continuous strip chart recorder to continuously record the parameter being monitored.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C213]

D. Monitoring/Testing Requirements

D12.1 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, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : D44, D103, D104, D149, D168]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.2 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the 1) inlet gas stream to the amine contact tower and 2) inlet amine stream to the amine contact tower.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. The accuracy of the device shall be verified once a month.

The operator shall also install and maintain an automatic temperature controller to monitor the DEA absorber approach temperature. This monitoring device shall be in operation at all times while the amine gas treating unit is in operation

The operator shall monitor and record daily, the inlet gas and amine stream temperatures. If the absorber approach temperature is below 10 degrees Fahrenheit, the operator shall make necessary corrective actions to bring the absorber approach temperature within the specified range within 4 hours of the exceedance

The absorber approach temperature is defined as the temperature differential between the inlet amine solution (higher temperature) and the inlet gas (lower temperature)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D201]

D12.3 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure of the amine flash tank, V-1003.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

The pressure gauge shall be in good operating condition at all times to indicate the backpressure of the flash tank in psig while the amine treating unit is in operation

The operator shall monitor and record daily for the first 30 days of operation and weekly thereafter, the operating backpressue in vessel V-1003

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D204]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.4 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the the amine inlet line to reflux accumulator, V-1005.

This monitoring device shall be in operation at all times while the amine gas treating unit is in operation

The operator shall monitor and record daily, the temperature of unit V-1005

The operator shall maintain a temperature in Vessel V-1005 of 120 degrees Fahrenheit or lower

If the temperature in Vessel V-1005 is outside the range specified above, the operator shall make necessary corrective actions to bring the temperature within the specified range within 4 hours of the exceedance

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D211]

D12.5 The operator shall install and maintain a(n) thermocouple or any other equivalent device to accurately indicate the presence of a flame at the pilot.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C81]

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

The test shall be conducted at least once during the life of the permit.

The test shall be conducted to determine the PM emissions using District method 5.1 measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with Rule 404.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D104]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D90.1 The operator shall monitor and record the amount of the process gas treated in the amine conatct tower, T-1006, according to the following specifications:

The volume of gas processed by this unit shall not exceed monthly average of 4.0 mmscfd

The volume of gas recorded by the gas sales meter can be used to determine compliance with this requirement

If the volume of gas measured by the gas sales meter, which includes the gas treated in the amine treating unit plus additional gas that bypasses the amine treating unit, is 4.0 mmscfd or higher, the applicant shall install a dedicated gas meter at the inlet of the amine gas treating system to indicate in scf per day, the inlet flow rate of process gas to the amine system. The operator shall install the gas meter within 90 days of exceeding the specified limit above

The operator shall notify the AQMD in writing within 7 days of exceeding 4.0 mmscfd level

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D201]

D90.2 The operator shall monitor and record the level of cloudiness and/or turbidity of the amine solution in the amine flash tank, V-1003, according to the following specifications:

Once per operating day for the first month of operation and weekly thereafter

A sample of circulating amine solution shall be obtained from V-1003 using a clean, dry, standard sample container

Using a timer, the sample shall be allowed to cool to room conditions for a period of 30 minutes

Using a standardized, clean, dry, laminated, cloud point test strip, the operator shall visually check sample cloudiness and/or turbidity by placing the test strip behind the sample container and record the relative sample visibility

In addition, the amine solution shall be sampled and analytically tested by an independent laboratory to determine VOC and benzene levels at least once every 60 operating days for the first year and yearly thereafter

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D204]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 1 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; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D44, D103, D149, D168]

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

3). Date and time visible emission was abated; and

4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E160]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

3). Date and time visible emission was abated; and

4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D104]

E. Equipment Operation/Construction Requirements

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E57.1 The operator shall vent this equipment to vapor recovery compressor whenever this equipment is operating.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D10, D11, D12, D13, D14, D15, D17, D36, D40, D194, D215, D216, D217, D218, D219, D220]

E57.2 The operator shall vent this equipment to the plant vapor recovery system which is in full use and which has been permitted by the Executive officer whenever the tank truck loading is in operation.

[RULE 462, 5-14-1999]

[Devices subject to this condition : D167]

E71.1 The operator shall not use this equipment if there are overfills, fugitive liquid/vapor leaks or organic liquid leak during disconnect.

[RULE 462, 5-14-1999]

[Devices subject to this condition : D166]

E116.1 This engine shall not be used as part of a demand response program using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D103, D168]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 463, 3-11-1994]

[Devices subject to this condition : D10, D11, D12, D13, D14, D15, D23, D24, D36, D215, D216, D217, D218, D219, D220]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E147.1 The operator shall only conduct crude oil loading in this equipment.

[RULE 462, 5-14-1999]

[Devices subject to this condition : D166]

E162.1 The operator shall use this equipment only during utility failure periods, except for maintenance purposes.

[RULE 1110.2, 11-14-1997]

[Devices subject to this condition : D103, D168]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

An APC system consisting of a thermal oxidizer, which is maintained at 1400 degrees fahrenheit

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D211]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall only use tank T-317 (device D14) if either tank T-318 (device D15) or tank T-350 (device D215) is not in operation

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D14]

E224.1 The operator shall replace the operating carbon canister by the spare carbon canister when H2S is detected in the effluent gas by the H2S monitor.

[RULE 402, 5-7-1976]

[Devices subject to this condition : C164, C165]

H. Applicable Rules

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.1 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 : D76, D77, D78, D108, D113]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 7-11-1997]

[Devices subject to this condition : E161]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D41, D112, D216, D217]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176
VOC	District Rule	1149

[RULE 1149, 7-14-1995; RULE 1176, 9-13-1996]

[Devices subject to this condition : D17, D23, D24, D40]

H23.5 This equipment is 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]

[Devices subject to this condition : D10, D11, D12, D13, D14, D15, D215, D218, D219]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464
VOC	District Rule	1176

[RULE 1176, 9-13-1996; RULE 464, 12-7-1990]

[Devices subject to this condition : D36]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	481

[RULE 481, 11-17-2000; RULE 481, 1-11-2002]

[Devices subject to this condition : E158]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462

[RULE 461, 4-21-2000; RULE 461, 6-15-2001]

[Devices subject to this condition : D166]

I. Administrative

I30.1 In accordance with Rule 3002(a)(3), the permit for this equipment is being issued as a non-Title V permit.

The facility permit holder shall file an application for a Title V permit revision for this equipment within 90 days of the issuance of the facility's initial Title V permit.

[RULE 3002, 11-14-1997]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, D10, D11, D12, D13, D14, D15, D17, D19, D23, D24, D28, D29, D30, D34, D36, D40, D80, C81, D82, D101, D120, D128, D130, D131, D132, D145, D146, D147, D148, C156, C164, C165, D166, D167, D170, D171, D172, D183, D184, D185, D186, D187, D188, D189, D190, D191, D192, D193, D194, D195, D196, D197, D199, D201, D204, D205, D206, D207, D208, D209, D210, D211, D212, C213, D214, D216, D217, D218, D219, D220, D221]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

To comply with this condition, the operator shall, prior to beginning of a compliance year, hold a minimum of 613 pounds of NOx RTCs for operation of the thermal-oxidizer at the facility. In accordance with Rule 2005 (f), unused RTCs may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st year.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : *C213*]

I296.2 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

To comply with this condition, the operator shall, prior to beginning of a compliance year, hold a minimum of 350 pounds of NOx RTCs for operation of the re-boiler at the facility. In accordance with Rule 2005 (f), unused RTCs may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st year.

[RULE 2005, 4-9-1999; RULE 2005, 4-20-2001; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : *D209*]

K. Record Keeping/Reporting

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Date of Operation

The Elapsed Time in Hours

Reason for Operation

[RULE 1110.2, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; **RULE 2012, 5-11-2001**; **RULE 2012, 12-5-2003**]

[Devices subject to this condition : D44, D103, D149, D168]

K67.2 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 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 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E158]

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

Daily Tank Truck Throughput

[RULE 462, 5-14-1999]

[Devices subject to this condition : D166]

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

carbon canister change over, date and H2S monitor reading at the time of change over

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C164, C165]

SECTION E: ADMINISTRATIVE CONDITIONS

a. Three years for a facility not subject to Title V; or
b. Five years for a facility subject to Title V.

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]

   a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
   b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
   c. For a large NOx source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
   d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
   e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO2) and be averaged over 15 consecutive minutes; [407]
   f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO2) at standard conditions and averaged over 15 consecutive minutes. [409]
   g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O2) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]

8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NOx RECLAIM sources and Table 2 of Rule 2001 for SOx RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NOx or SOx emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NOx or SOx source, respectively. [2001]

SECTION E: ADMINISTRATIVE CONDITIONS

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]

   a. Brief description of the equipment tested.
   b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
   c. Operating conditions under which the test will be performed.
   d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e,g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
   e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
   f. Description of calibration and quality assurance procedures.
   g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).

10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]

   a. The results of the source test.
   b. Brief description of the equipment tested.
   c. Operating conditions under which test will be performed.
   d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
   e. Field and laboratory data forms, strip charts and analyses.
   f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.

11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

SECTION E: ADMINISTRATIVE CONDITIONS

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

II. NOx Source Testing and Tune-up Conditions

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]

2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

4. Process Unit source testing

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:

   a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; *or*
   b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
   c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]

2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NOx or SOx emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NOx Reporting Requirements

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

FACILITY PERMIT TO OPERATE
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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

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.

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION J: AIR TOXICS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]

2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that the initial Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

   (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]

4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

   (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

(B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:

(A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or

(B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:

(A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;

(B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

(D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]

15. Nothing in this permit or in any permit shield can alter or affect:

    (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;

    (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;

    (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;

    (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;

    (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and

    (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]

16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

EMERGENCY PROVISIONS

17. An emergency[1] constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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1 "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or imporper operation, or operator error.

RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:

    (A) The date, place as defined in the Title V permit, and time of sampling or measurements;

    (B) The date(s) analyses were performed;

    (C) The company or entity that performed the analyses;

    (D) The analytical techniques or methods used;

    (E) The results of such analyses; and

    (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]

20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]

21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:

    (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

    (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

(C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.

(D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]

23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]

24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:

(A) Identification of each permit term or condition that is the basis of the certification;

(B) The compliance status during the reporting period;

(C) Whether compliance was continuous or intermittent;

(D) The method(s) used to determine compliance over the reporting period and currently, and

(E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

SECTION K: TITLE V Administration

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations:

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1110.2	11-14-1997	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	12-5-2003	Non federally enforceable
RULE 1122	7-11-1997	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1166	7-14-1995	Federally enforceable
RULE 1170	5-6-1988	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1173	12-6-2002	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 1176	9-13-1996	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1402	3-17-2000	Non federally enforceable
RULE 1403	4-8-1994	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 2005	4-20-2001	Federally enforceable
RULE 2005	4-9-1999	Federally enforceable
RULE 2012	1-7-2005	Federally enforceable
RULE 2012	12-5-2003	Federally enforceable
RULE 2012	5-11-2001	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 304	5-19-2000	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 403	12-11-1998	Federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 461	4-21-2000	Federally enforceable
RULE 461	6-15-2001	Non federally enforceable
RULE 462	5-14-1999	Federally enforceable
RULE 463	3-11-1994	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 481	11-17-2000	Federally enforceable
40CFR 60 Subpart KKK	11-1-1985	Federally enforceable
RULE 701	6-13-1997	Federally enforceable

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

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

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

1. INTERNAL COMBUSTION ENGINE, PROCESS GAS
2. INTERNAL COMBUSTION ENGINE, DIESEL

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

(1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.

(2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		50
Graphic Arts (Sign) Coatings	500						
Industrial Maintenance							

FACILITY PERMIT TO OPERATE

AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats							
Alkyds	420						
Catalyzed Epoxy	420						
Bituminous Coatings	420						
Materials							
Inorganic Polymers	420						
Vinyl Chloride Polymers	420						
Chlorinated Rubber	420						
Acrylic Polymers	420						
Urethane Polymers	420						
Silicones	420						
Unique Vehicles	420						
Japans/Faux Finishing	350	700		350			
Coatings							
Magnesite Cement Coatings	600			450			
Mastic Coatings	300						
Metallic Pigmented Coatings	500						
Multi-Color Coatings	420		250				
Pigmented Lacquer	680		550			275	
Pre-Treatment Wash Primers	780						
Primers, Sealers, and	350						
Undercoaters							
Quick-Dry Enamels	400						
Roof Coatings	300						
Shellac							
Clear	730						
Pigmented	550						
Stains	350						
Swimming Pool Coatings							
Repair	650						
Other	340						
Traffic Coatings	250		150				
Waterproofing Sealers	400						
Wood Preservatives							
Below-Ground	350						
Other	350						

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

FACILITY PERMIT TO OPERATE

AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE

AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 12-5-2003]

(1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.

(2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 12-5-2003]

TABLE OF STANDARDS
VOC LIMITS

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

COATING	Limit*	Effective Date								
		1/1/98	1/1/99	7/1/01	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350									
Clear Wood Finishes										
Varnish	350							275		
Sanding Sealers	350							275		
Lacquer	680	550					275			
Clear Brushing Lacquer	680						275			
Concrete-Curing Compounds	350									
Dry-Fog Coatings	400									
Fire-Proofing Exterior Coatings	450		350							
Fire-Retardant Coatings										
Clear	650									
Pigmented	350									
Flats	250			100						50
Floor Coatings	420				100			50		
Graphic Arts (Sign) Coatings	500									
Industrial Maintenance (IM) Coatings	420					250		100		
High Temperature IM Coatings**					420					
Zinc-Rich IM Primers	420				340			100		
Japans/Faux Finishing Coatings	700		350							
Magnesite Cement Coatings	600		450							
Mastic Coatings	300									
Metallic Pigmented Coatings	500									
Multi-Color Coatings	420	250								

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 12-5-2003]

COATING	Limit*	Effective Date								
		1/1/98	1/1/99	7/1/01	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Non-Flat Coatings	250				150			50		
Pigmented Lacquer	680	550					275			
Pre-Treatment Wash Primers	780				420					
Primers, Sealers, and Undercoaters	350				200			100		
Quick-Dry Enamels	400				250			50		
Quick-Dry Primers, Sealers, and Undercoaters	350				200			100		
Recycled Coatings					250					
Roof Coatings	300				250		50			
Roof Coatings, Aluminum	500						100			
Roof Primers, Bituminous	350				350					
Rust Preventative Coatings	420				400			100		
Shellac										
Clear	730									
Pigmented	550									
Specialty Primers	350							100		
Stains	350				250				100	
Stains, Interior	250									
Swimming Pool Coatings										
Repair	650				340					
Other	340									
Traffic Coatings	250	150								
Waterproofing Sealers	400				250			100		
Waterproofing Concrete/Masonry Sealers	400							100		
Wood Preservatives										
Below-Ground	350									
Other	350									

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 12-5-2003]

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

** The National VOC Standard at 650 g/l is applicable until 1/1/2003

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1140 8-2-1985]

(1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).

(2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).

FACILITY PERMIT TO OPERATE

AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 8-2-2002]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS* VOC g/l (lb/gal)	Effective 1/1/2003 VOC g/l (lb/gal)	Effective 7/1/2005 VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	50 (0.42)	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)		100 (0.83)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	50 (0.42)	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)		100 (0.83)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings, or Adhesives Application Equipment	550 (4.6)		25 (0.21)
(D) Cleaning of Ink Application Equipment			

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 8-2-2002]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS* VOC g/l (lb/gal)	Effective 1/1/2003 VOC g/l (lb/gal)	Effective 7/1/2005 VOC g/l (lb/gal)
(i) General	50 (0.42)	25 (0.21)	
(ii) Flexographic Printing	50 (0.42)	25 (0.21)	
(iii) Gravure Printing			
(A) Publication	750 (6.3)		100 (0.83)
(B) Packaging	50 (0.42)	25 (0.21)	
(iv) Lithographic or Letter Press Printing			
(A) Roller Wash – Step 1	600 (5.0)		100 (0.83)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)		100 (0.83)
(C) Removable Press Components	50 (0.42)	25 (0.21)	
(v) Screen Printing	750 (6.3)		100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)		100 (0.83)
(vii) Specialty Flexographic Printing	600 (5.0)		100 (0.83)
(E) Cleaning of Polyester Resin Application Equipment	50 (0.42)	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE

AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

FACILITY PERMIT TO OPERATE
AERA ENERGY LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

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The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9

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Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0