

ROUTING RECORD

DATE	FROM	TO	ACTION
DEC 21 2011	ALC/H501		c/o
2/14/12	ALC/RC		c/o REC.
FEB 16 2012	ALC/PS		616838

REFERENCE TO OTHER APCD RECORDS INCLUDING VARIANCES

161-2783

PREVIOUS:
ANUSP5857

3/24/11
040901

OXY USA INC
 20101 GOLDENWEST ST
 HUNTINGTON BEACH
 OIL & GAS PRODUCTION
 ICE

APFL # 529240
 I.D. # 169754

Date: 11/08/11

NON-EMERGENS
 131 Cup ICE



Form 400-CO

Application For Change Of Operator

Mail To: SCAQMD, P.O. Box 4944, Diamond Bar, CA 91765-0944

Note 1: A Change Of Operator Permit can only be issued if ALL of the following conditions apply:
Note 2: Submit one form for each application/permit.

Section A - Previous Operator Information
1. Facility Name (Business Name of Operator As It Appears On The Permit): AERA ENERGY LLC
2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): 104017 169754

Section B - New Operator Information
3. Business Name of Operator As It Should Appear On The Permit: OXY USA INC.
4. Owner's Business Name (If different from Business Name of Operator):
New AQMD Facility ID (TO BE COMPLETED BY AQMD)

Section C - Equipment Location Address
5. Fixed Location
20101 GOLDENWEST ST
HUNTINGTON BEACH, CA 92648
DIANA LANG, ENV. COORD
(562) 624-3314
DIANA_LANG@OXY.COM

Section D - Permit Mailing Address
6. Permit and Correspondence Information:
111 W. OCEAN BLVD. SUITE 800
LONG BEACH, CA 90802
DIANA LANG, ENV. COORD
(562) 624-3314
DIANA_LANG@OXY.COM

Section E - Facility Business Information
7. What business is conducted at this location? OIL AND GAS PRODUCTION
8. What is your primary NAICS Code (North American Industrial Classification System)? 211111
9. Are you a small business as per AQMD's Rule 102 definition? No

Section F - Application or Permit to be Transferred to New Operator
10. Is this Change of Operator a full or partial transfer of all active permits? Full
11. Application Number: 505857
12. Permit Number: 612783
For RECLAIM Facilities, ALSO Complete This Section (Also submit Form 2007-1, Form 2007-2 and if applicable, Form 2007-3, together with a separate filing fee for the transfer of RTC's as per Rule 301(0)(9):
Device number or range of device numbers for the permitted item: D223
Please be advised that you are applying to take over the operation of all or part of a RECLAIM facility and if any previous Facility Permit holder is found to have violated AQMD Rule 2004(d) - Prohibition of Emissions in Excess of Annual Allocation, during time periods prior to this change of operator, your facility Allocation will be reduced by the amount of excess emissions, as provided under Rule 2010(b)(1).

Section G - Signature and Authorization for Change of Operator
I HEREBY AGREE TO TRANSFER OPERATOR OF THE PERMITTED EQUIPMENT AS SPECIFIED ABOVE, FOR THIS FACILITY, TO THE NEW LEGAL OPERATOR, IDENTIFIED IN SECTION B.
Previous Operator: Signature of Responsible Official: [Signature], Title: MANAGER OF OPS - LA BASIN, Date: Nov 1, 2011, Phone: 714 969-3533
New Operator: Signature of Responsible Official: [Signature], Title: VP - ENGINEERING & OPERATIONS, Date: Nov 1, 2011, Phone: 924-495-9348
Checklist: Form signed? [X], Payment attached? [X], Copy of existing permit attached? [X], Form 400-CEQA attached? [X]

AQMD USE ONLY
APPLICATION TRACKING # 5292404
CHECKED 5090570
AMOUNT RECEIVED \$ 14,177.59
PAYMENT TRACKING #
VALIDATION 11/08/11
DATE 11/08/11
APP REJ
CLASS
BASIC CONTROL
EQUIPMENT CATEGORY CODE
TEAM
ENGINEER
REASON ACTION TAKEN

(98034)

20 of 20

**SCAQMD PERMIT PROCESSING SYSTEM (PPS)
FEE DATA - SUMMARY SHEET**

Application No : 529240
 Previous Application No: 505857

31

IRS/SS No:
 Previous Permit No: G12783

Company Name : OXY USA INC
 Equipment Street: 20101 GOLDENWEST ST , HUNTINGTON BEACH CA 92648
 Equipment Desc : I C E (50-500 HP) N-EM STAT DIESEL

Facility ID: 169754

Equipment Type : BASIC

Fee Charged by: B-CAT

B-CAT NO. : 040901

C-CAT NO: 00

Fee Schedule: B

Facility Zone : 18

Deemed Compl. Date: 12/8/2011

Public Notice: NO

Evaluation Type : CHANGE OF OPERATOR (PO)

Small Business:

Disposition : Approve PO, Recommended by Engineer

Higher Fees for Failing to Obtain a Permit:

Lead Appl. No :

Identical Permit Unit:

Air quality Analysis	\$0.00	Filing Fee Paid:	\$0.00
E.I.R	\$0.00	Permit Processing Fee Paid:	\$508.28
Health Risk Assessment	\$0.00	Permit Processing Fee Calculated*:	\$508.28
Public Notice Preparation Fee	\$0.00	Permit Processing Fee Adjustment:	\$0.00
Public Notice Publication Fee	\$0.00		
Expedited Processing	Hours: 0.00 \$0.00		
Source Test Review	Hours: 0.00 \$0.00		
Time & Material	Hours: 0.00 \$0.00		
		Total Additional Fee:	\$0.00
		Additional Charge:	\$0.00

COMMENTS:

RECOMMENDED BY: HAMILTON A STODDARD

DATE: 02/03/2012

REVIEWED BY: _____

DATE: _____

FEB 16 2012

* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY

SCAQMD PERMIT PROCESSING SYSTEM (PPS)

AEIS DATA SHEET

Company Name : OXY USA INC

Facility ID : 169754

Equipment Address : 20101 GOLDENWEST ST
HUNTINGTON BEACH CA 92648

Application Number : 529240

Equipment B-Cat : 040901

Estimated Completion Date : 02/09/12

Equipment C-Cat :

Equipment Type : Basic

Equipment Description : I C E (50-500 HP) N-EM STAT DIESEL

Emissions

Emittants	Emissions	
	R1 LB/HR	R2 LB/HR
CO	0.13	0.13
NOX	0.81	0.81
PM10	0.02	0.02
ROG	0.03	0.03

Applicable Rules

1110.2	07/09/2010	Emissions from Gaseous-and Liquid-fueled Engines
1401	09/10/2010	New Source Review of Toxic Air Contaminants
1470	06/01/2007	Requirements for Stationary Diesel-Fueled Internal Combustion and Other
401	11/09/2001	Visible Emissions
402	05/07/1976	Nuisance
404	02/07/1986	Particulate Matter - Concentration
407	04/02/1982	Liquid and Gaseous Air Contaminants
431.2	09/15/2000	Sulfur Content of Liquid Fuels

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Daily Start Times :	00:00	00:00	00:00	00:00	00:00	00:00	00:00
Daily Stop Times :	24:00	24:00	00:00	00:00	00:00	00:00	00:00

User's Initials : HS01 Date: 02/09/12 Supervisor's Name : _____ Review Date : / /

N S R D A T A S U M M A R Y S H E E T

Application No: 529240
Application Type: Change of Ownership
Application Status: PENDAPPRV
Previous Apps,Dev,Permit #: 505857, 0 - , NONE

Company Name: OXY USA INC
Company ID: 169754
Address: 20101 GOLDENWEST ST,HUNTINGTON BEACH, CA
RECLAIM: NOX
RECLAIM Zone: 01
Air Basin: SC
Zone: 18
Title V: NO

Device ID: 0 -
Estimated Completion Date: 07-04-2012
Heat Input Capacity: 0 Million BTU/hr
Priority Reserve: NONE - No Priority Access Requested
Recommended Disposition: 31 - PERMIT TO OPERATE GRANTED
PR Expiration:
School Within 1000 Feet: NO
Operating Weeks Per Year: 13
Operating Days Per Week: 2
Monday Operating Hours: 00:00 to 24:00
Tuesday Operating Hours: 00:00 to 24:00
Wednesday Operating Hours: 00:00 to 00:00
Thursday Operating Hours: 00:00 to 00:00
Friday Operating Hours: 00:00 to 00:00
Saturday Operating Hours: 00:00 to 00:00
Sunday Operating Hours: 00:00 to 00:00

Emittant: CO
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.13 lbs/hr
Max Daily: 3.12 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.13 lbs/hr
Max Daily: 3.12 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 3 lbs/day
Annual Emission: 285 lbs/yr
District Exemption: None

Emittant: NOX
BACT:
Cost Effectiveness: NO
Source Type: MAJOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.81 lbs/hr
Max Daily: 19.44 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.81 lbs/hr
Max Daily: 19.44 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 20 lbs/day
Annual Emission: 1784 lbs/yr
District Exemption: None

Emittant: PM10
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.02 lbs/hr
Max Daily: 0.48 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.02 lbs/hr
Max Daily: 0.48 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 44 lbs/yr
District Exemption: None

Emittant: ROG
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.03 lbs/hr
Max Daily: 0.72 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.03 lbs/hr
Max Daily: 0.72 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 1 lbs/day
Annual Emission: 63 lbs/yr
District Exemption: None

Emittant: SOX
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0.001 lbs/hr
Max Daily: 0.01 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0.001 lbs/hr
Max Daily: 0.01 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 0 lbs/yr
District Exemption: None

SUPERVISOR'S APPROVAL: _____ SUPERVISOR'S REVIEW DATE: _____

Processed By: hamiltos 2/14/2012 4:20:15 PM

2

ROUTING RECORD

DATE	FROM	TO	ACTION
FEB 02 2010	MYL	CB	IX pp
Feb. 10, 10	CSB	JTY	P/C Recommended
3-23-11	CSB	RGC	P/D Recommended.
APR 9 2011	RGC	P/S	612783
REFERENCE TO OTHER APCD RECORDS INCLUDING VARIANCES			

APN 529240

AERA ENERGY LLC
DIESEL POWERED ENGINE

AERA ENERGY LLC
20101 GOLDENWEST ST
HUNTINGTON BEACH
DIESEL POWERED ENGINE

APPL # 505857
I.D. # 104017

D 223

Date: 01/28/10

AP 505857
ID 104017

30lu



South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385
www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit:
Aera Energy LLC - Huntington Beach

2. Valid AQMD Facility ID (Available on Permit or Invoice Issued by AQMD): 104017

3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address:
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

20101 Goldenwest Street
Street Address

Huntington Beach CA, 92648
City State Zip Code

County: Los Angeles Orange San Bernardino Riverside

Contact Name: Susan Perrell

Contact Title: Environmental Advisor Phone: (714) 743-4396

Fax: (714) 969-3364 E-Mail: SMPerrell@aeraenergy.com

Section C: Permit Mailing Address

5. Permit and Correspondence Information:
 Check here if same as equipment location address

Street Address

City State Zip Code

Contact Name:

Contact Title: Phone:

Fax: E-Mail:

Section D: Application Type

The facility is in RECLAIM Title V RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- New Construction (Permit to Construct) (10)
- Equipment Operating Without A Permit or Expired Permit*
- Administrative Change
- Equipment On-Site But Not Constructed or Operational
- Title V Application (Initial, Revisions, Modifications, etc.)
- Compliance Plan
- Facility Permit Amendment
- Registration/Certification
- Streamlined Standard Permit

Permitted Equipment Altered/ Modified Without Permit Approval*

Proposed Alteration/Modification to Permitted Equipment

Change of Condition For Permit To Operate

Change of Condition For Permit To Construct

Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY): 05/01/2010

8. Description of Equipment:
Permit to construct application: 131 hp diesel-powered engine.

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? No Yes

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?) No Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment? No Yes If yes, provide NOV/NC #:

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D))

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location?
Oil and Gas Production

14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 211111

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? No Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? No Yes

Section F: Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: *William A. Morris*

18. Title: Manager of Operations

19. Print Name: William A. Morris

20. Date: 1-26-10

Check List

- Form(s) signed and dated by authorized official
- Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- CEQA Form (400-CEQA) attached
- Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY	APPLICATION/TRACKING # 505857	TYPE C/D	EQUIPMENT CATEGORY CODE: 040501	FEE SCHEDULE: 20SI-53	VALIDATION 1/28/10
ENG. A R DATE	ENG. A R DATE	CLASS III IV	ASSIGNMENT Unit E Engineer CSB	CHECK/MONEY ORDER # 1058	AMOUNT 321.00

60 (85607)
2/3/10

Platform Emmy's crane engine
1/2

South Coast Air Quality Management District, Form 400-A (2006.02)



South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765
Tel (909) 396-3385
www.sqmd.gov

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].² Refer to the attached instructions for guidance in completing this form.³ For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109.

FACILITY INFORMATION	
Business Name of Operator to Appear on the Permit: Aera Energy LLC – Huntington Beach	Facility ID (6-Digit): 104017
Project Description: Permit to Construct: 131 bhp IC Engine, and Rule 1110.2 Inspection and Monitoring Plan Submission.	

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION			
Check "Yes" or "No" as applicable			
	Yes	No	Is this application for:
A.	<input type="radio"/>	<input checked="" type="radio"/>	A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project? If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	<input type="radio"/>	<input checked="" type="radio"/>	A request for a change of permittee only (without equipment modifications)?
C.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment certification or equipment registration (qualifies for Rule 222)?
D.	<input type="radio"/>	<input checked="" type="radio"/>	A functionally identical permit unit replacement with no increase in rating or emissions?
E.	<input type="radio"/>	<input checked="" type="radio"/>	A change of daily VOC permit limit to a monthly VOC permit limit?
F.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment damaged as a result of a disaster during state of emergency?
G.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V (i.e., Regulation XXX) permit renewal (without equipment modifications)?
H.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V administrative permit revision?
I.	<input type="radio"/>	<input checked="" type="radio"/>	The conversion of an existing permit into an Initial Title V permit?
If "Yes" is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.			

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA			
Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.			
	Yes	No	Section I – General
1.	<input type="radio"/>	<input checked="" type="radio"/>	Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project? Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	<input type="radio"/>	<input checked="" type="radio"/>	Is this project part of a larger project?
Section II – Air Quality			
3.	<input type="radio"/>	<input checked="" type="radio"/>	Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?
4.	<input type="radio"/>	<input checked="" type="radio"/>	Does this project include the open outdoor storage of dry bulk solid materials that could generate dust? If Yes, include a plot plan with the application package.

¹ A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

² To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html

³ To download this form and the Instructions, visit <http://www.sqmd.gov/ceqa> or <http://www.sqmd.gov/permit>

	Yes	No	
5.	<input type="radio"/>	<input checked="" type="radio"/>	Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements? For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance.
6.	<input type="radio"/>	<input checked="" type="radio"/>	Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?
7.	<input type="radio"/>	<input checked="" type="radio"/>	Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1?*
Section III – Water Resources			
8.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project increase demand for water at the facility by more than 5,000,000 gallons per day? The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.
9.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project require construction of new water conveyance infrastructure? Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.
Section IV – Transportation/Circulation			
10.			Will the project result in (Check all that apply):
	<input type="radio"/>	<input checked="" type="radio"/>	a. the need for more than 350 new employees?
	<input type="radio"/>	<input checked="" type="radio"/>	b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?
	<input type="radio"/>	<input checked="" type="radio"/>	c. increase customer traffic by more than 700 visits per day?
Section V – Noise			
11.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?
Section VI – Public Services			
12.			Will the project create a permanent need for new or additional public services in any of the following areas (Check all that apply):
	<input type="radio"/>	<input checked="" type="radio"/>	a. Solid waste disposal? Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	<input type="radio"/>	<input checked="" type="radio"/>	b. Hazardous waste disposal? Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).

****REMINDER: For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.****

SIGNATURES

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: <i>William A. Morris</i>		TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Manager of Operations	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: William A. Morris	RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (714) 9693-533	DATE Signed: 1-26-10	
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: <i>Paul Liao</i>		TITLE OF PREPARER: Environmental Engineer	
TYPE OR PRINT NAME OF PREPARER: Paul Liao	PREPARER'S TELEPHONE NUMBER: (949) 2488-490	DATE Signed: 1/27/2010	

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

* Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.



South Coast Air Quality Management District
 P. O. Box 4944 Diamond Bar, CA 91765
 (909) 396-2000

EXPRESS PERMIT PROCESSING REQUEST FORM FORM 400 - XPP

Form 400-A, Form 400-CEQA and one or more 400-E-xx form(s) must accompany all submittals.

Print Form

Section I - Facility/Application Information

1. Business Name: Aera Energy LLC - Huntington Beach Facility ID: 104,017
2. The requested application is for a(n): Date of Occurrence: 5/1/2010
- a. New Construction b. Change of Location
- c. Modification of Equipment/Process d. Existing Equipment with Expired Permit
- e. Existing Equipment Operating without a Permit; Initial Operation Date:
- f. Change of Condition(s); specify the change of condition(s) requested:
- g. Change of Operator; List previous name of operator and Facility ID #:
3. I hereby request Express Permit Processing for this application.
4. I understand that this request will incur additional fees.
5. This request is not cancelable once engineering review has been initiated.
6. Express Permit Processing neither guarantees action by any specific date nor does I guarantee permit approval.

Section II - Equipment Information

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: William A Morris TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Manager of Operations

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: William A. Morris RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: 714-969-3533 DATE SIGNED: 1-26-10

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER: Paul Liao TITLE OF PREPARER: Environmental Engineer

TYPE OR PRINT NAME OF PREPARER: Paul Liao PREPARER'S TELEPHONE NUMBER: 949-248-8490 DATE SIGNED: 1/22/2010

AQMD USE ONLY		APPLICATION/TRACKING #	PROJECT #	TYPE B C D	EQUIPMENT CATEGORY CODE: /	FEE SCHEDULE: S	VALIDATION
ENG. A R	ENG. A R	CLASS	ASSIGNMENT	ENF.	CHECK/MONEY ORDER	AMOUNT	
DATE	DATE	I III IV	UNIT ENGINEER	SECT.	#	\$	



South Coast Air Quality Management District

FORM 400-E-13b

NON-EMERGENCY INTERNAL COMBUSTION ENGINE

Mail Application To: SCAQMD, P.O. Box 4944, Diamond Bar, CA 91765, Tel: (909) 396-3365

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form www.aqmd.gov

Permit to be issued to (Business name of operator to appear on permit): Aera Energy LLC - Huntington Beach
Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site): Platform Emmy
Does Applicant hold a valid permit for Portable ICE under CA Statewide Portable Equipment Registration Program? No

SECTION A: EQUIPMENT INFORMATION
Is the ICE an EPA Certified or Qualifying Non-Road Engine? Yes
Manufacturer: DEUTZ, Model No.: TCD2012L04 2V
Serial No.: , Date of Manufacture: , Date of Installation:
Manufacturer Maximum Rating: 131.00 BHP @ 2400 RPM
ICE Function: Stationary Crane
Type: Stationary
Fuel: Diesel Oil No. 2
Stand-By Fuel: Diesel Oil No. 2
Cycle Type: Four Cycle
Combustion Type: Rich Burn
No. of Cylinders: Six
Aspiration Type: Turbocharged
Air Pollution Control: No Controls

SECTION B: OPERATION INFORMATION						
Fuel Consumption	Maximum Rated load: 7.400 gal./hr. OR cu. ft./hr			Average Load: gal./hr. OR cu. ft./hr.		
Emissions Data	Pollutants	Maximum Emissions Before Control		Maximum Emissions After Control		Emissions Reference (attach): <input type="checkbox"/> Manufacturer's Guarantee <input type="checkbox"/> Catalytic Manufacturer's Guarantee <input type="checkbox"/> Source Test Data <input type="checkbox"/> EPA Emission Factors <input checked="" type="checkbox"/> Other (specify): Tier III Cert.
		Gm/Bhp-hr	PPM (15% O2)	Gm/Bhp-hr	PPM (15% O2)	
	ROG					
	NOx					
	CO					
	PM					
Operating Schedule	Normal:	hours/day	days/week	weeks/yr.		
	Maximum:	24 hours/day	7 days/week	52 weeks/yr.		

SECTION C: APPLICANT CERTIFICATION STATEMENT			
I hereby certify that all information contained herein and information submitted with this application is true and correct.			
SIGNATURE OF PREPARER: <i>Paul Liao</i>	TITLE OF PREPARER: Environmental Engr	PREPARER'S TELEPHONE NUMBER: (949) 248-8490	PREPARER'S E-MAIL ADDRESS: PLiao@yorkeengr.com
CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT: Susan Perrell	CONTACT PERSON'S TELEPHONE NUMBER: (714) 743-4396	DATE SIGNED: 1/22/2010	
E-MAIL ADDRESS: SMPerrell@aeraenergy.com	FAX NUMBER: (714) 969-3364		

CONFIDENTIAL INFORMATION

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items as confidential, please complete the following steps:

- Make a copy of any page containing confidential information blanked out. Label this page "public copy."
- Label the original page "confidential." Circle all confidential items on the page.
- Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.

**SCAQMD PERMIT PROCESSING SYSTEM (P-6)
FEE DATA - SUMMARY SHEET**

Application No : 505857

IRS/SS No:

Previous Application No:

Previous Permit No:

(3)

Company Name : AERA ENERGY LLC

Facility ID: 104017

Equipment Street: 20101 GOLDENWESTST , HUNTINGTON BEACH CA 92648

Equipment Desc : I C E (50-500 HP) N-EM STAT DIESEL

Equipment Type : BASIC

Fee Charged by: B-CAT

B-CAT NO. : 040901

C-CAT NO: 00

Fee Schedule: B

Facility Zone : 18

Deemed Compl. Date: 2/3/2010

Public Notice: NO

Evaluation Type : PERMIT TO OPERATE (PO)

Small Business:

Disposition : Approve PO, Recommended by Engineer

Higher Fees for Failing to Obtain a Permit:

Lead Appl. No :

Identical Permit Unit:

Air quality Analysis	\$0.00	Filing Fee Paid:	\$0.00
E.I.R	\$0.00	Permit Processing Fee Paid:	\$3,077.28
Health Risk Assessment	\$0.00	Permit Processing Fee Calculated*:	\$2,051.52
Significant Project	\$0.00	Permit Processing Fee Adjustment:	\$-1,025.76
Expedited Processing	Hours: 0.00 \$1,025.76		
Source Test Review	Hours: 0.00 \$0.00		
Time & Material	Hours: 0.00 \$0.00		
		Total Additional Fee:	\$1,025.76
		Additional Charge:	\$0.00

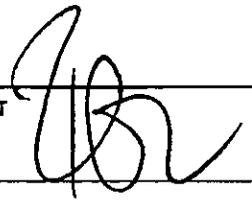
COMMENTS:

RECOMMENDED BY: C S BHATT

DATE: 03/23/2011

REVIEWED BY: _____

DATE: _____



APR 12/11

* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY



South Coast Air Quality Management District

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

April 13, 2011

Ms. Susan Perrell
Environmental Advisor, LA Basin
Aera Energy LLC
20101 Goldenwest Street
Huntington Beach, CA 92648-2628

Dear Ms. Perrell:

Attached is the revised Section D of your Facility Permit for the equipment located at 20101 Goldenwest Street, Huntington Beach, CA 92648 (Facility ID 104017). The revised section reflects the replacement of the existing Platform Emmy's crane engine (device D104) by the functionally identical engine (device D223) and it is now listed in Section D. Since the other new engine, device D222, was not installed, it is deleted from your permit. This facility modification was filed under the following applications which are now approved for a Permit to Operate:

Application No.	Equipment Description	Devices	Process/System
501502	Platform Emmy's Crane Engine	D222 (deleted)	2/2
505857	Platform Emmy's Crane Engine	D223 (conversion of P/C to P/O)	2/2
501503	Facility Permit Update	Incorporation of the above modification	

Please review the revised Section D carefully, insert it into your Facility Permit and discard any earlier versions of Section D. Any questions concerning items in your Facility Permit should be directed to Mr. Chandrashekhar S. Bhatt at (909) 396-2653.

Sincerely,

William C. Thompson, P. E.
Senior Manager
Operation Unit
Engineering and Compliance Division

WCT:RC:csb

Attachment

c:\aera-104017-platform-emmy-crane-engine-501502-503-pc-po-recl-covr-ltr
cc: RECLAIM File 104017
Compliance, Ed Pupka
Records



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

Title Page	
Facility ID:	104017
Revision #:	37
Date:	April 15, 2011

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



**FACILITY PERMIT TO OPERATE
AERA ENERGY LLC**

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	11	04/15/2011
B	RECLAIM Annual Emission Allocation	17	01/01/2011
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	26	04/15/2011
E	Administrative Conditions	11	06/01/2008
F	RECLAIM Monitoring and Source Testing Requirements	9	06/01/2008
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	10	06/01/2008
H	Permit To Construct and Temporary Permit to Operate	16	04/15/2011
I	Compliance Plans & Schedules	8	06/01/2008
J	Air Toxics	0	06/01/2008
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	8	06/01/2008
B	Rule Emission Limits	0	06/01/2008



**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: 487541	D1				
VESSEL, V-107, FREE WATER KNOCK OUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D2				
VESSEL, V-108, FREE WATER KNOCK OUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D3				
VESSEL, V-109, FREE WATER KNOCK OUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D4				
VESSEL, V-110, FREE WATER KNOCK OUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D5				
VESSEL, V-111, FREE WATER KNOCK OUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D6				
VESSEL, V-114, FREEWATER KNOCKOUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D7				
VESSEL, V-115, FREE WATER KNOCK OUT, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487541	D8				

- * (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 1: CRUDE OIL/GAS PRODUCTION					
TANK, HOLDING, T-101, CRUDE OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 487541	D10				E57.1, E127.1, H23.5
TANK, HOLDING, T-102, CRUDE OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 487541	D11				E57.1, E127.1, H23.5
TANK, HOLDING, T-103, WET OIL DIVERT, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 487541	D12				E57.1, E127.1, H23.5
TANK, HOLDING, T-104, WET OIL DIVERT, VENTED TO VAPOR RECOVERY COMPRESSOR, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 487541	D13				E57.1, E127.1, H23.5
TANK, HOLDING, T-318, SKIM OIL, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 487541	D15				E57.1, E127.1, H23.5
VESSEL, SEPARATOR, V-150, RELIEF KNOCKOUT DRUM, LENGTH: 15 FT ; DIAMETER: 8 FT A/N: 487541	D41				H23.3

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

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



**FACILITY PERMIT TO OPERATE
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					
TANK, T-317, SURGE/SKIM OIL TANK, SKIM OIL/WASTEWATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 487541	D14				E57.1, E127.1, H23.5
System 2: WASTE WATER TREATMENT					
FLOATATION UNIT, WEMCO, T-337, VENTED TO VAPOR RECOVERY COMPRESSOR, 550 BBL A/N: 487542	D23				E127.1, H23.4
FLOATATION UNIT, WEMCO, T-338, VENTED TO VAPOR RECOVERY COMPRESSOR, 550 BBL A/N: 487542	D24				E127.1, H23.4
TANK, T-317, SURGE/SKIM OIL TANK, SKIM OIL/WASTEWATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 487541	D14				E57.1, E127.1, H23.5
TANK, SURGE, T-350, INJECTION WATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 5000 BBL; DIAMETER: 38 FT 8 IN; HEIGHT: 24 FT A/N: 487542	D215				E57.1, E127.1, H23.5
TANK, SURGE, T-360, RAINWATER, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT A/N: 487542	D34				

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

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



FACILITY PERMIT TO OPERATE 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					
OIL WATER SEPARATOR, T-339, 1000 BBL CAPACITY,, VENTED TO THE VAPOR RECOVERY COMPRESSOR, LENGTH: 60 FT ; DIAMETER: 12 FT A/N: 487542	D36				E57.1, E127.1, H23.7
PIT, NO. 3, COVERED, SKIM OIL, VENTED TO THE VAPOR RECOVERY COMPRESSOR A/N: 487542	D40				E57.1, H23.4
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: 487542	D216				E57.1, E127.1,, H23.3
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: 487542	D217				E57.1, E127.1, H23.3
TANK, HOLDING, T-342, OILY WATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 1000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 8 FT A/N: 487542	D218				E57.1, E127.1, H23.5

- * (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 1: CRUDE OIL/GAS PRODUCTION					
TANK, HOLDING, T-343, OILY WATER, VENTED TO VAPOR RECOVERY COMPRESSOR, 1000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 8 FT A/N: 487542	D219				E57.1, E127.1, H23.5
TANK, HOLDING, T-345, PROCESS DRAIN/RAIN WATER, SUMP DRAIN, VENTED TO VAPOR RECOVERY COMPRESSOR, 53 BBL; WIDTH: 5 FT; HEIGHT: 5 FT; LENGTH: 12 FT A/N: 487542	D220				E57.1, E127.1
System 3: GAS GATHERING					
SCRUBBER, WET GAS, V-323, LENGTH: 10 FT; DIAMETER: 4 FT 2 A/N: 487545	D120				
GAS SEPARATOR, V-100, (NORTH BOLSA), VENTING TO THE HUNTINGTON BEACH GAS PLANT., HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 487545	D19				
SCRUBBER, SOUTH BOLSA, HEIGHT: 8 FT; DIAMETER: 3 FT A/N: 487545	D145				
SCRUBBER, LEASE 425 A/N: 487545	D147				
SCRUBBER, LEASE 426 A/N: 487545	D148				
SCRUBBER, HIGH PRESSURE, HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 487545	D128				

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

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



**FACILITY PERMIT TO OPERATE
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					
SCRUBBER, LOW PRESSURE, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 487545	D130				
SCRUBBER, SUCTION, EMMY HIGH PRESSURE GAS, HEIGHT: 6 FT ; DIAMETER: 2 FT 6 IN A/N: 487545	D170				
SCRUBBER, DISCHARGE, EMMY HIGH PRESSURE GAS, HEIGHT: 6 FT ; DIAMETER: 1 FT 4 IN A/N: 487545	D171				
SCRUBBER, EMMY LOW PRESSURE CASING GAS, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 487545	D221				
System 4: GAS DESULFURIZATION (STRET FORD UNIT)					
SCRUBBER, V-1, WET GAS, HEIGHT: 13 FT 7 IN; DIAMETER: 6 FT A/N: 487547	D42				
ABSORBER, V-2 (STRET FORD UNIT FOR H2S ABSORPTION), HEIGHT: 25 FT ; DIAMETER: 3 FT 6 IN A/N: 487547	D20				
ABSORBER, V-3 (STRET FORD UNIT FOR H2S ABSORPTION), HEIGHT: 25 FT ; DIAMETER: 3 FT 6 IN A/N: 487547	D43				
ABSORBER, V-5 (STRET FORD UNIT FOR H2S ABSORPTION), (STANDBY), HEIGHT: 25 FT ; DIAMETER: 3 FT 6 IN A/N: 487547	D45				

* (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
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** 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 1: CRUDE OIL/GAS PRODUCTION					
CRUBBER, V-4, HEIGHT: 13 FT 7 IN; DIAMETER: 6 FT A/N: 487547	D46				
PROCESS TANK, T-2, REACTION TANK, HEIGHT: 9 FT 6 IN; DIAMETER: 12 FT A/N: 487547	D47				
PROCESS TANK, UNHEATED, BACKUP, SULFUR SLURRY, OPEN TOP, 470 BBL; WIDTH: 8 FT; HEIGHT: 11 FT; LENGTH: 30 FT A/N: 487547	D172				
PROCESS TANK, T-3, OXIDIZER TANK, HEIGHT: 20 FT 9 IN; DIAMETER: 12 FT A/N: 487547	D48				
PROCESS TANK, UNHEATED, T-1, SULFUR SLURRY HOLDING TANK, HEIGHT: 8 FT; DIAMETER: 8 FT A/N: 487547	D83				
PROCESS TANK, MIXING TANK, HEIGHT: 4 FT; DIAMETER: 4 FT A/N: 487547	D85				
STORAGE TANK, STRETFORD SOLUTION, HEIGHT: 10 FT; DIAMETER: 10 FT A/N: 487547	D86				
System 6: NATURAL GAS STABILIZATION					S13.1, S13.2
KNOCK OUT POT, V-601, COMPRESSOR SUCTION A/N: 487548	D64				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
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(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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** 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: CRUDE OIL/GAS PRODUCTION					
KNOCK OUT POT, V-602, COMPRESSOR 1ST STAGE DISCHARGE A/N: 487548	D65				
KNOCK OUT POT, V-606, COMPRESSOR 2ND STAGE DISCHARGE A/N: 487548	D133				
VESSEL, V-604, H2S REMOVAL TOWER (PACKED WITH SULFATREAT OR EQUIVALENT MATERIAL), HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 487548	D80				
VESSEL, V-605, H2S REMOVAL TOWER (PACKED WITH SULFATREAT OR EQUIVALENT MATERIAL), HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 487548	D101				
VESSEL, SEPARATOR, V-603, GLYCOL, LENGTH: 8 FT ; DIAMETER: 3 FT A/N: 487548	D79				
KNOCK OUT POT, V-607, LIQUID KNOCKOUT A/N: 487548	D134				
VESSEL, V-701, GLYCOL FLASH DRUM A/N: 487548	D136				
VESSEL, V-801, REFRIGERANT COMPRESSOR SUCTION DRUM A/N: 487548	D137				

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

529240

APPLICATION EMISSION INQUIRY
FACILITY : 104017

	APPL	D	EMI_ID	A	MEAS	EMI_AMT	EMI_AMT_ENT_DATE	EMI_AMT_ENT_USER
1	505857	0	ACETALDEEH	31	AV30	.141133333	02-09-2010	chandrab
2	505857	0	ACETALDEEH	31	R1DY	.1392	02-09-2010	chandrab
3	505857	0	ACETALDEEH	31	R1HR	.0058	02-09-2010	chandrab
4	505857	0	ACETALDEEH	31	R2DY	.1392	02-09-2010	chandrab
5	505857	0	ACETALDEEH	31	R2HR	.0058	02-09-2010	chandrab
6	505857	0	ACETALDEEH	31	RACT	.141133333	02-09-2010	chandrab
7	505857	0	ACETALDEEH	31	YRLY	13	02-09-2010	chandrab
8	505857	0	BENZENE	31	AV30	.03358	02-09-2010	chandrab
9	505857	0	BENZENE	31	R1DY	.03312	02-09-2010	chandrab
10	505857	0	BENZENE	31	R1HR	.00138	02-09-2010	chandrab
11	505857	0	BENZENE	31	R2DY	.03312	02-09-2010	chandrab
12	505857	0	BENZENE	31	R2HR	.00138	02-09-2010	chandrab
13	505857	0	BENZENE	31	RACT	.03358	02-09-2010	chandrab
14	505857	0	BENZENE	31	YRLY	3	02-09-2010	chandrab
15	505857	0	CO	31	AV30	3	02-09-2010	chandrab
16	505857	0	CO	31	R1	.13	03-23-2011	chandrab
17	505857	0	CO	31	R1DY	3.12	02-09-2010	chandrab
18	505857	0	CO	31	R1HR	.13	02-09-2010	chandrab
19	505857	0	CO	31	R2	.13	03-23-2011	chandrab
20	505857	0	CO	31	R2DY	3.12	02-09-2010	chandrab
21	505857	0	CO	31	R2HR	.13	02-09-2010	chandrab
22	505857	0	CO	31	RACT	3	02-09-2010	chandrab
23	505857	0	CO	31	YRLY	285	02-09-2010	chandrab
24	505857	0	FORMALDEHY	31	AV30	.309033333	02-09-2010	chandrab
25	505857	0	FORMALDEHY	31	R1DY	.3048	02-09-2010	chandrab
26	505857	0	FORMALDEHY	31	R1HR	.0127	02-09-2010	chandrab
27	505857	0	FORMALDEHY	31	R2DY	.3048	02-09-2010	chandrab
28	505857	0	FORMALDEHY	31	R2HR	.0127	02-09-2010	chandrab
29	505857	0	FORMALDEHY	31	RACT	.309033333	02-09-2010	chandrab
30	505857	0	FORMALDEHY	31	YRLY	28	02-09-2010	chandrab
31	505857	0	NOX	31	AV30	20	02-09-2010	chandrab
32	505857	0	NOX	31	R1	.81	03-23-2011	chandrab
33	505857	0	NOX	31	R1DY	19.44	02-09-2010	chandrab
34	505857	0	NOX	31	R1HR	.81	02-09-2010	chandrab
35	505857	0	NOX	31	R2	.81	03-23-2011	chandrab
36	505857	0	NOX	31	R2DY	19.44	02-09-2010	chandrab
37	505857	0	NOX	31	R2HR	.81	02-09-2010	chandrab
38	505857	0	NOX	31	RACT	20	02-09-2010	chandrab
39	505857	0	NOX	31	YRLY	1784	02-09-2010	chandrab
40	505857	0	PM10	31	AV30	0	02-09-2010	chandrab
41	505857	0	PM10	31	R1	.02	03-23-2011	chandrab
42	505857	0	PM10	31	R1DY	.48	02-09-2010	chandrab
43	505857	0	PM10	31	R1HR	.02	02-09-2010	chandrab
44	505857	0	PM10	31	R2	.02	03-23-2011	chandrab
45	505857	0	PM10	31	R2DY	.48	02-09-2010	chandrab
46	505857	0	PM10	31	R2HR	.02	02-09-2010	chandrab
47	505857	0	PM10	31	RACT	0	02-09-2010	chandrab
48	505857	0	PM10	31	YRLY	44	02-09-2010	chandrab
49	505857	0	ROG	31	AV30	1	02-09-2010	chandrab

AC: 30D = .14

93 day?
4r
24hr
day

90 day
4r

~~24, 1.8, 93~~

24, 1

app } 2202 hrs
4r -
(not 8 136 hrs)

.0127 lb/l
(1 hr/day)

24, 2, 13 } (my best estimates)

APPLICATION EMISSION INQUIRY
FACILITY : 104017

APPL_ID	EMI_ID	A	MEAS	EMI_AMT	EMI_AMT_ENT_DATE	EMI_AMT_ENT_USER
50	505857 0	ROG	31 R1	.03	03-23-2011	chandrab
51	505857 0	ROG	31 R1DY	.72 <i>b</i>	02-09-2010	chandrab
52	505857 0	ROG	31 R1HR	.03 <i>a</i>	02-09-2010	chandrab
53	505857 0	ROG	31 R2	.03	03-23-2011	chandrab
54	505857 0	ROG	31 R2DY	.72	02-09-2010	chandrab
55	505857 0	ROG	31 R2HR	.03	02-09-2010	chandrab
56	505857 0	ROG	31 RACT	1	02-09-2010	chandrab
57	505857 0	ROG	31 YRLY	63 <i>3</i>	02-09-2010	chandrab
58	505857 0	SOX	31 AV30	0 <i>✓</i>	02-09-2010	chandrab
59	505857 0	SOX	31 R1DY	0 <i>b</i>	02-09-2010	chandrab
60	505857 0	SOX	31 R1HR	0 <i>a</i>	02-09-2010	chandrab
61	505857 0	SOX	31 R2DY	0	02-09-2010	chandrab
62	505857 0	SOX	31 R2HR	0	02-09-2010	chandrab
63	505857 0	SOX	31 RACT	0	02-09-2010	chandrab
64	505857 0	SOX	31 YRLY	0 <i>3</i>	02-09-2010	chandrab
65	505857 0	TOLUENE	31 AV30	.01898 <i>✓</i>	02-09-2010	chandrab
66	505857 0	TOLUENE	31 R1DY	.01872 <i>b1</i>	02-09-2010	chandrab
67	505857 0	TOLUENE	31 R1HR	.00078 <i>a1</i>	02-09-2010	chandrab
68	505857 0	TOLUENE	31 R2DY	.01872 <i>b2</i>	02-09-2010	chandrab
69	505857 0	TOLUENE	31 R2HR	.00078 <i>a2</i>	02-09-2010	chandrab
70	505857 0	TOLUENE	31 RACT	.01898	02-09-2010	chandrab
71	505857 0	TOLUENE	31 YRLY	2 <i>3</i>	02-09-2010	chandrab

APPLICATION EMISSION INQUIRY
 FACILITY : 104017

	APPROV USER ID	APPROV DATE	APPL STATUS DESC
1	robc	04-12-2011	PERMIT TO OPERATE GRANTED
2	robc	04-12-2011	PERMIT TO OPERATE GRANTED
3	robc	04-12-2011	PERMIT TO OPERATE GRANTED
4	robc	04-12-2011	PERMIT TO OPERATE GRANTED
5	robc	04-12-2011	PERMIT TO OPERATE GRANTED
6	robc	04-12-2011	PERMIT TO OPERATE GRANTED
7	robc	04-12-2011	PERMIT TO OPERATE GRANTED
8	robc	04-12-2011	PERMIT TO OPERATE GRANTED
9	robc	04-12-2011	PERMIT TO OPERATE GRANTED
10	robc	04-12-2011	PERMIT TO OPERATE GRANTED
11	robc	04-12-2011	PERMIT TO OPERATE GRANTED
12	robc	04-12-2011	PERMIT TO OPERATE GRANTED
13	robc	04-12-2011	PERMIT TO OPERATE GRANTED
14	robc	04-12-2011	PERMIT TO OPERATE GRANTED
15	robc	04-12-2011	PERMIT TO OPERATE GRANTED
16	robc	04-12-2011	PERMIT TO OPERATE GRANTED
17	robc	04-12-2011	PERMIT TO OPERATE GRANTED
18	robc	04-12-2011	PERMIT TO OPERATE GRANTED
19	robc	04-12-2011	PERMIT TO OPERATE GRANTED
20	robc	04-12-2011	PERMIT TO OPERATE GRANTED
21	robc	04-12-2011	PERMIT TO OPERATE GRANTED
22	robc	04-12-2011	PERMIT TO OPERATE GRANTED
23	robc	04-12-2011	PERMIT TO OPERATE GRANTED
24	robc	04-12-2011	PERMIT TO OPERATE GRANTED
25	robc	04-12-2011	PERMIT TO OPERATE GRANTED
26	robc	04-12-2011	PERMIT TO OPERATE GRANTED
27	robc	04-12-2011	PERMIT TO OPERATE GRANTED
28	robc	04-12-2011	PERMIT TO OPERATE GRANTED
29	robc	04-12-2011	PERMIT TO OPERATE GRANTED
30	robc	04-12-2011	PERMIT TO OPERATE GRANTED
31	robc	04-12-2011	PERMIT TO OPERATE GRANTED
32	robc	04-12-2011	PERMIT TO OPERATE GRANTED
33	robc	04-12-2011	PERMIT TO OPERATE GRANTED
34	robc	04-12-2011	PERMIT TO OPERATE GRANTED
35	robc	04-12-2011	PERMIT TO OPERATE GRANTED
36	robc	04-12-2011	PERMIT TO OPERATE GRANTED
37	robc	04-12-2011	PERMIT TO OPERATE GRANTED
38	robc	04-12-2011	PERMIT TO OPERATE GRANTED
39	robc	04-12-2011	PERMIT TO OPERATE GRANTED
40	robc	04-12-2011	PERMIT TO OPERATE GRANTED
41	robc	04-12-2011	PERMIT TO OPERATE GRANTED
42	robc	04-12-2011	PERMIT TO OPERATE GRANTED
43	robc	04-12-2011	PERMIT TO OPERATE GRANTED
44	robc	04-12-2011	PERMIT TO OPERATE GRANTED
45	robc	04-12-2011	PERMIT TO OPERATE GRANTED
46	robc	04-12-2011	PERMIT TO OPERATE GRANTED
47	robc	04-12-2011	PERMIT TO OPERATE GRANTED
48	robc	04-12-2011	PERMIT TO OPERATE GRANTED
49	robc	04-12-2011	PERMIT TO OPERATE GRANTED

Facility ID 104017 Application # 301273 Device # 0-x
BCAT 040901-I CE (50-500 HP) N-EM STAT DIESEL CCAT NONE

Weeks per Year 52 # Days Per Week 1

Operating Schedule

	MON	TUE	WED	THU	FRI	SAT	SUN
Starting Time	08:00	00:00	00:00	00:00	00:00	00:00	00:00
Ending Time	08:00	00:00	00:00	00:00	00:00	00:00	00:00

Copy Schedule Save Clear Schedule

APPLICATION EMISSION INQUIRY
FACILITY : 104017

	APROV_USER_ID	APROV_DATE	APPL_STATUS_DESC
50	robc	04-12-2011	PERMIT TO OPERATE GRANTED
51	robc	04-12-2011	PERMIT TO OPERATE GRANTED
52	robc	04-12-2011	PERMIT TO OPERATE GRANTED
53	robc	04-12-2011	PERMIT TO OPERATE GRANTED
54	robc	04-12-2011	PERMIT TO OPERATE GRANTED
55	robc	04-12-2011	PERMIT TO OPERATE GRANTED
56	robc	04-12-2011	PERMIT TO OPERATE GRANTED
57	robc	04-12-2011	PERMIT TO OPERATE GRANTED
58	robc	04-12-2011	PERMIT TO OPERATE GRANTED
59	robc	04-12-2011	PERMIT TO OPERATE GRANTED
60	robc	04-12-2011	PERMIT TO OPERATE GRANTED
61	robc	04-12-2011	PERMIT TO OPERATE GRANTED
62	robc	04-12-2011	PERMIT TO OPERATE GRANTED
63	robc	04-12-2011	PERMIT TO OPERATE GRANTED
64	robc	04-12-2011	PERMIT TO OPERATE GRANTED
65	robc	04-12-2011	PERMIT TO OPERATE GRANTED
66	robc	04-12-2011	PERMIT TO OPERATE GRANTED
67	robc	04-12-2011	PERMIT TO OPERATE GRANTED
68	robc	04-12-2011	PERMIT TO OPERATE GRANTED
69	robc	04-12-2011	PERMIT TO OPERATE GRANTED
70	robc	04-12-2011	PERMIT TO OPERATE GRANTED
71	robc	04-12-2011	PERMIT TO OPERATE GRANTED

Facility ID 104017 Application # 301273 Device # 0-x
 BCAT 040901-I C E (50-500 HP) N-EM STAT DIESEL CCAT NONE

	Emittant	BACT Type	Cost Effect.	NSR Source	Emis Increase	Modeling	Public Notic
1	CO				36		
2	NOX				166		
3	PM10				12		
4	ROG				13		
5	SOX				3		
6							
7							
8							
9							
10							

Delete Add/Update

NSR Emission Data

Fac.ID: 104017 Appl. # 301273 Dev.No: 0 - x NSR Source Type: MINOR

Category: CRITERIA Emission Overwrite: Yes No

Emittent: NOX-Nitrogen Oxides

Uncontrolled Emission

Annual Emission: lbs/yr

Max Hourly: lbs/hr

Max Daily: lbs/day

BACT 30 days Avg: 166.00 lbs/day

RACT 30 days Avg: 166.00 lbs/day

Controlled Emission

Max Hourly: lbs/hr

Max Daily: 166.00 lbs/day

Previous Emission

30-Days Avg: 0.00 lbs/day

NSR - RTC Hold Annual Hold Amt: lbs/yr

Exemptions

Federal:

State:

District:

ERC Certificates

Community Bank

Yes No Allocated: 0.00

Balance

Facility Emission: 171.92 tons/yr

Positive Balance: 0.00 lbs

RTC: 0 lbs/yr

RTC+NTC: 0 lbs/yr

CO2e: 0 tons/yr

GHG: 0 tons/yr

Screen Analysis

N/A

Modeling:

N/A

Pass

Fail

Public Notice

REQUIRED

Regulatory Compliance: Yes No

Save Close

NSR Emission Data Version 1.50

AER Data (Tons/Yr)

Yr	Total	Permitted	Un Permitted
2011	0.00	0.00	0.00
2010	0.00	0.00	0.00
2009	0.00	0.00	0.00

External Offset Required: lbs/yr

NSR Help hamilos NUM CAPS 17:02:53

Start Permit Administra... Facility Permit Ap... Inbox - Microsof... Fwd: Please Verf... Compliance Trac... NSR Tracking Sy... 5:02 PM

Select Application	Device / Equipment	Operating Schedule	Emission Data	R1401	PTE/AER Summary
Facility ID 104017	Application # 383700	Device # 0-			
BCAT	044901-I C E (50-500 HP) EM FIRE FGHT-DIESEL	CCAT	NONE		

Weeks per Year # Days Per Week 1

Operating Schedule

	MON	TUE	WED	THU	FRI	SAT	SUN
Starting Time	<input type="text" value="08:00"/>	<input type="text" value="00:00"/>					
Ending Time	<input type="text" value="09:00"/>	<input type="text" value="00:00"/>					

NSR Proc03 Version 4.50

529240

1 hr / day, 1 day / wk, 52 wks / yr

52 hrs / yr

1754 hrs / yr
 52 hrs / yr
 34 hrs / yr

2/9: According to the emission listed in the emission inquiry, it seems that the operation is:
 24 hrs/day, 7, 52

Facility ID 104017 Application # 505857 Device # 0-
 BCAT 040901-HCE (50-500 HP) N-EM STAT DIESEL CCAT NONE

Weeks per Year # Days Per Week

Operating Schedule

	MON	TUE	WED	THU	FRI	SAT	SUN
Starting Time	<input type="text" value="00:00"/>						
Ending Time	<input type="text" value="24:00"/>						

 NSR Proc03 Version 4.50

24 hrs / day *7 days / wk* *52 wks / yr*

Facility ID 104017 Application # 505857 Device # 0-
 BCAT 040901-I CE (50-500 HP) N-EM STAT DIESEL CCAT NONE

	Emittant	BACT Type	Cost Effect.	NSR Source	Emis Increase	Modeling	Public Notic
1	ACETALDE		NO	MINOR	.141133333	N/A	N/A
2	BENZENE		NO	MINOR	.03358	N/A	N/A
3	CO		NO	MINOR	0	N/A	N/A
4	FORMALDE		NO	MINOR	.309033333	N/A	N/A
5	NOX		NO	MAJOR	0	N/A	N/A
6	PM10		NO	MINOR	0	N/A	N/A
7	ROG		NO	MINOR	0	N/A	N/A
8	SOX		NO	MINOR	0	N/A	N/A
9	TOLUENE		NO	MINOR	.01898	N/A	N/A



Add/Update