



May 12, 2011

Mr. Keith Duval
Manager, Compliance Division
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

SUBJECT: ANNUAL TITLE V COMPLIANCE CERTIFICATION
FOR PERIOD BEGINNING APRIL 1, 2010
VENTURA COUNTY APCD PERMIT 0041

Dear Mr. Duval:

Enclosed please find Aera Energy LLC's (Aera) Annual Compliance Certification report for the period April 1, 2010 through March 31, 2011 for Permit No. 0041.

Aera completed the Annual Compliance Certification report to the best of its ability using the permit. Aera is willing to meet and confer with District management and staff to discuss any matters for which the District requests additional information or explanation of Aera's responses.

Should you have any questions concerning this report or require additional information, please feel free to contact me at (805) 648-8207.

Sincerely,

A handwritten signature in cursive script that reads "C. Logan".

Christopher Logan
Compliance Assurance Specialist

cc: U.S. Environmental Protection Agency
Region IX, Air-3
75 Hawthorne Street
San Francisco, CA 94105

RECEIVED
VENTURA COUNTY
11 MAY 12 PM 4:26
A.P.C.D.

**ANNUAL COMPLIANCE CERTIFICATION OF
FEDERAL (TITLE V, PART 70) OPERATING PERMITS**

**VENTURA COUNTY
AIR POLLUTION CONTROL DISTRICT
PERMIT NO. 0041**

**AERA ENERGY LLC
VENTURA AVENUE PERMIT
APRIL 1, 2010 – MARCH 31, 2011**

MAY 9, 2011



**AERA ENERGY LLC
P.O. BOX 11164
BAKERSFIELD, CALIFORNIA 93389-1164**



Ventura County
Air Pollution
Control District

**ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM**

A copy of each Annual Compliance Certification shall be submitted to EPA, Region 9 at the following address:

Mr. Gerardo Rios, Chief
Permits Office (Air-3)
Office of Air Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

Confidentiality

All information in a Part 70 permit compliance certification is public information. The Part 70 permit is also public information.

Certification by Responsible Official

I certify that, based on the information and belief formed after reasonable inquiry, the statements and information in this compliance certification are true, accurate, and complete.

Signature and Title of Responsible Official:	Date:
Title: VICE PRESIDENT	5.9.11

Time Period Covered by Compliance Certification
<u>04 / 01 / 10</u> (MM/DD/YY) to <u>03 / 31 / 11</u> (MM/DD/YY)



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 1 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
EQUIPMENT FACILITY WIDE REQUIREMENTS - Revision 03/06/2008				
0041PC9 Cond 1	In Compliance	Continuous	Documentation of electrical power source	
0041PC9 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
40CFR61.M Cond 1	In Compliance	Continuous	Work Practices - Asbestos Activities	
40CFR61.M Cond 2	In Compliance	Continuous	Work Practices - Asbestos Activities	
40CFR68 Cond 1	In Compliance	Continuous	Documentation of risk management plan	
40CFR68 Cond 2	In Compliance	Continuous	Documentation of risk management plan and audit RMP on three year frequency as required	
40CFR68 Cond 3	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
40CFR70 Cond 1	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 2	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 3	In Compliance	Continuous	Documentation of prompt reporting and followup deviation reports	
40CFR70 Cond 4	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 5	In Compliance	Continuous	Documentation of Part 70 compliance records	
40CFR70 Cond 6	In Compliance	Continuous	Documentation of Part 70 permit records upon District request	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041
Certification Period: 04/01/2010 through 03/31/2011				Page 2 of 62
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
40CFR70 Cond 7	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 8	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 9	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 10	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 11	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 12	In Compliance	Continuous	Reference Condition	
40CFR70 Cond 13	In Compliance	Continuous	Documentation of Title V five year renewal	
40CFR70 Cond 14	In Compliance	Continuous	Documentation of Certification by Responsible Official	
40CFR70 Cond 15	In Compliance	Continuous	Documentation of Annual Certification submittals	
40CFR82 Cond 1	In Compliance	Continuous	Work Practices - Refrigerant/Air Conditioners	
40CFR82 Cond 2	In Compliance	Continuous	Work Practices - Refrigerant/Air Conditioners	
50 Cond 1	In Compliance	Continuous	Work Practices - Visible Emissions	
50 Cond 2	In Compliance	Continuous	Documentation of visible emissions	
50 Cond 3	In Compliance	Continuous	Documentation of visible emission evaluations and Annual Certification by Responsible Official	
50 Cond 4	In Compliance	Continuous	Documentation of visible emissions upon District request	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 3 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
54.B.1 Cond 1	In Compliance	Continuous	Documentation of fuel sulfur analysis	
54.B.1 Cond 2	In Compliance	Continuous	Reference Condition	
54.B.1 Cond 3	In Compliance	Continuous	Documentation of compliance upon District request	
54.B.2 Cond 1	In Compliance	Continuous	Documentation of fuel sulfur analysis and modeling data	
54.B.2 Cond 2	In Compliance	Continuous	Documentation of fuel sulfur analysis and modeling data	
54.B.2 Cond 3	In Compliance	Continuous	Documentation of air modeling for ground level SO2 based on District request	
57.1 Cond 1	In Compliance	Continuous	Documentation of source test reports	
57.1 Cond 2	In Compliance	Continuous	Documentation of compliance upon District request	
57.1 Cond 3	In Compliance	Continuous	Reference Condition	
64.B.1 Cond 1	In Compliance	Continuous	Documentation of fuel sulfur analysis	
64.B.1 Cond 2	In Compliance	Continuous	Reference Condition	
64.B.1 Cond 3	In Compliance	Continuous	Documentation of fuel sulfur analysis	
64.B.1 Cond 4	In Compliance	Continuous	Documentation of fuel sulfur analysis and annual submittal	
64.B.2 Cond 1	In Compliance	Continuous	Documentation of liquid fuel sulfur content	
64.B.2 Cond 2	In Compliance	Continuous	Documentation of liquid fuel sulfur content	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 4 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)	
64.B.2 Cond 3	In Compliance	Continuous	Documentation of liquid fuel sulfur content		
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Produced gas was not controlled when the vapor recovery compressors at CP3 shut down after a blown PLC fuse. Breakdown relief requested.	Event Date: 02/04/2011
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Produced gas was not controlled when a Southern California Edison power outage occurred causing the vapor recovery compressors at the river bottom production facility to shutdown. Breakdown relief requested and granted.	Event Date: 10/19/2010
71.1.C Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Produced gas was not controlled when a 1-inch air line was severed causing vacuum valves on tanks at Taylor Tank Farm to fail closed. The vapor recovery compressors remained in operation during this period.	Event Date: 11/02/2010
71.1.C Cond 2	In Compliance	Continuous	Reference Condition		
71.1.C Cond 3	In Compliance	Continuous	Annual visual inspection and certification that the vapor recovery system is a closed system		
71.1.C Cond 4	In Compliance	Continuous	Documentation of flare inspection records		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 5 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.1.C Cond 5	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
74.4.B.1 Cond 1	In Compliance	Continuous	Work Practices - Pits, Ponds, and Well Cellars	
74.4.B.1 Cond 2	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
74.4.B.3 Cond 1	In Compliance	Continuous	Documentation of well cellar inspections	
74.4.B.3 Cond 2	In Compliance	Continuous	Documentation of well cellar inspections	
74.4.B.3 Cond 3	In Compliance	Continuous	Documentation of well cellar inspections	
74.4.B.3 Cond 4	In Compliance	Continuous	Documentation of well maintenance	
74.1 Cond 1	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 2	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 3	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 4	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 5	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 6	In Compliance	Continuous	Work Practices - Abrasive Blasting	
74.1 Cond 7	In Compliance	Continuous	Documentation of abrasive blasting operations & surveillance	
74.10 Cond 1	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 6 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.10 Cond 2	In Compliance	Intermittent	Work Practices - Tank Inspection	A hatch on a portable tank was left open and unattended following maintenance operations. Event Date: 06/02/2010
74.10 Cond 2	In Compliance	Intermittent	Work Practices - Tank Inspection	A hatch on a portable tank was left open and unattended following maintenance operations on a well. Event Date: 10/19/2010
74.10 Cond 3	In Compliance	Continuous	Reference Condition	
74.10 Cond 4	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 5	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 6	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 7	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 8	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 9	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 10	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 11	In Compliance	Continuous	Reference Condition	
74.10 Cond 12	In Compliance	Continuous	Reference Condition	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 7 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.10 Cond 13	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 14	In Compliance	Continuous	Reference Condition	
74.10 Cond 15	In Compliance	Continuous	Reference Condition	
74.10 Cond 16	In Compliance	Continuous	Reference Condition	
74.10 Cond 17	In Compliance	Continuous	Documentation of Operator Management Plan annual submittal/update	
74.10 Cond 18	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 19	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 20	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 21	In Compliance	Continuous	Documentation of 74.10 inspection logs	
74.10 Cond 22	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 23	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 24	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 25	In Compliance	Continuous	Reference Condition	
74.10 Cond 26	In Compliance	Continuous	Reference Condition	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041
Certification Period: 04/01/2010 through 03/31/2011				Page 8 of 62
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status <small>(As indicated by most recent monitoring measurement or observation)</small>	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information <small>(excursions, exceedences, or additional data that indicated non compliance during the certification period)</small>
74.10 Cond 27	In Compliance	Continuous	Reference Condition	
74.10 Cond 28	In Compliance	Continuous	Reference Condition	
74.10 Cond 29	In Compliance	Continuous	Documentation of 74.10 inspection logs	
74.10 Cond 30	In Compliance	Continuous	Documentation of 74.10 inspection logs	
74.10 Cond 31	In Compliance	Continuous	Documentation of 74.10 inspection logs	
74.10 Cond 32	In Compliance	Continuous	Documentation of calibration records	
74.10 Cond 33	In Compliance	Continuous	Reference Condition	
74.10 Cond 34	In Compliance	Continuous	Reference Condition	
74.10 Cond 35	In Compliance	Continuous	Reference Condition	
74.10 Cond 36	In Compliance	Continuous	Reference Condition	
74.16 Cond 1	In Compliance	Continuous	Reference Condition	
74.16 Cond 2	In Compliance	Continuous	Reference Condition	
74.16 Cond 3	In Compliance	Continuous	Documentation of NOx requirements and California Air Resources Board PERP registration	
74.16 Cond 4	In Compliance	Continuous	Documentation of NOx requirements and California Air Resources Board PERP registration	
74.16 Cond 5	In Compliance	Continuous	Documentation of source test report upon District request	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 9 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
74.16 Cond 6	In Compliance	Continuous	Documentation of cost analysis records	
74.2 Cond 1	In Compliance	Continuous	Work Practices - Architectural Coatings	
74.2 Cond 2	In Compliance	Continuous	Work Practices - Architectural Coatings	
74.2 Cond 3	In Compliance	Continuous	Work Practices - Architectural Coatings	
74.2 Cond 4	In Compliance	Continuous	Work Practices - Architectural Coatings	
74.2 Cond 5	In Compliance	Continuous	Documentation of VOC content of architectural coatings	
74.2 Cond 6	In Compliance	Continuous	Reference Condition	
74.22 Cond 1	In Compliance	Continuous	Reference Condition	
74.22 Cond 2	In Compliance	Continuous	Documentation of compliance upon District request	
74.22 Cond 3	In Compliance	Continuous	Documentation of annual survey/verification and Annual Certification by Responsible Official	
74.26 Cond 1	In Compliance	Continuous	Work Practices - Tank Degassing	
74.26 Cond 2	In Compliance	Continuous	Work Practices - Tank Degassing	
74.26 Cond 3	In Compliance	Continuous	Documentation of District notification	
74.26 Cond 4	In Compliance	Continuous	Documentation of air pollution control device records	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 10 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.26 Cond 5	In Compliance	Continuous	Documentation of storage tank exemption records	
74.26 Cond 6	In Compliance	Continuous	When requested by the District, Aera will test the vapor flow and concentration to determine destruction or removal efficiency using appropriate methods.	
74.26 Cond 7	In Compliance	Continuous	Work Practices - Tank Degassing	
74.26 Cond 8	In Compliance	Continuous	Work Practices - Tank Degassing	
74.26 Cond 9	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.28 Cond 1	In Compliance	Continuous	Reference Condition	
74.28 Cond 2	In Compliance	Continuous	Documentation of roofing kettle temperature	
74.28 Cond 3	In Compliance	Continuous	Documentation of equipment configuration	
74.28 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
74.28 Cond 5	In Compliance	Continuous	Reference Condition	
74.29 Cond 1	In Compliance	Continuous	Work Practices - Soil Decontamination	
74.29 Cond 2	In Compliance	Continuous	Work Practices - Soil Decontamination	
74.29 Cond 3	In Compliance	Continuous	Documentation of weekly measurements and WP - Soil Decontamination	
74.29 Cond 4	In Compliance	Continuous	Documentation of District notification	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011				
COLUMN 1 Citation	COLUMN 2 Compliance Status <small>(As indicated by most recent monitoring measurement or observation)</small>	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information <small>(excursions, exceedances, or additional data that indicated non compliance during the certification period)</small>
74.29 Cond 5	In Compliance	Continuous	Work Practices - Soil Decontamination	
74.29 Cond 6	In Compliance	Continuous	Reference Condition	
74.29 Cond 7	In Compliance	Continuous	Documentation of weekly measurements and WP - Soil Decontamination	
74.29 Cond 8	In Compliance	Continuous	Documentation of ROC emissions from soil decontamination	
74.29 Cond 9	In Compliance	Continuous	Documentation of soil decontamination records	
74.29 Cond 10	In Compliance	Continuous	Documentation of soil aeration log records	
74.29 Cond 11	In Compliance	Continuous	Work Practices - Soil Decontamination	
74.4.D Cond 1	In Compliance	Continuous	Documentation of road oil constituents	
74.4.D Cond 2	In Compliance	Continuous	Documentation of oil analysis records	
74.6 Cond 1	In Compliance	Continuous	Work Practices - Solvent Usage	
74.6 Cond 2	In Compliance	Continuous	Work Practices - Solvent Usage	
74.6 Cond 3	In Compliance	Continuous	Work Practices - Solvent Usage	
74.6 Cond 4	In Compliance	Continuous	Work Practices - Solvent Usage	
74.6 Cond 5	In Compliance	Continuous	Work Practices - Solvent Usage	
74.6 Cond 6	In Compliance	Continuous	Work Practices - Solvent Usage	
74.6 Cond 7	In Compliance	Continuous	Work Practices - Solvent Usage	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011				
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
74.6 Cond 8	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
74.6 Cond 9	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
74.6 Cond 10	In Compliance	Continuous	Documentation of operating parameters	
74.6 Cond 11	In Compliance	Continuous	Reference Condition	
74.6 Cond 12	In Compliance	Continuous	Reference Condition	
74.6 Cond 13	In Compliance	Continuous	Reference Condition	
74.6 Cond 14	In Compliance	Continuous	Documentation of ROC containing solvent	
74.6 Cond 15	In Compliance	Continuous	Work Practices - Solvent Usage	
Equipment J-5000 BSE Wash Tank (O.D. 1014) VR. Revised on 6/4/2018				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 13 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 5000 BBL PWT Spare Pre-Wemco 2-Ring Tank (TWCF-1010) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 5000 BBL PWT Pre-Wemco 3-Ring Tank (TWCF-1009) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 14 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment #1 (73 BBL PM) Memo #1 (ICWF-W001) VS. Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment #2 (73 BBL PM) Memo #2 (ICWF-W002) VS. Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 15 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 173 BBL PWT Water Tank (TWC-F-1003) VR. Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 1000 BBL PWT Clean Water Tank (TWC-F-1500) VR. Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 16 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 5000 BBL C-Block LACT Tank (TOLD-1002) VR Revised on 6/1/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 5000 BBL D-Block LACT Tank (TOLD-1002) VR Revised on 6/1/2008				



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 17 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1: 5000-BBL Santa Maria Spare Tank, COST (to 10/05) VR, Revised on 10/1/2010				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 18 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
TP0041 Cond 1	In Compliance	Continuous	Documentation of throughput records	
Equipment: 1 - 5000 PWT Old Weimco Tank (TWCF-T400) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 1 - 5000 BBL PWT New Weimco Tank (TWCF-T400) VR Revised on 6/4/2008				



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 19 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 000 BB Solids Tank (CS) (TMSF 000) VR Revised on 10/11/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC14 Cond 1	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
0041PC14 Cond 3	In Compliance	Continuous	Work Practices - Tank Inspection	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 20 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC14 Cond 4	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 5	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 6	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 7	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 8	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
TP0041 Cond 2	In Compliance	Continuous	Documentation of throughput records	
Equipment 1 - 500 BBL PWT Storage Tank (TUG-600) VR - Revised on 6/4/2005				



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011				
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 600 BBL TWT Rectification Cell tank (01/05/2010) VR Revised on 6/7/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 22 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
Equipment 1 - 7000 BBL Emergency Cement Bowl (C11D-S-0K) Revised on 6/4/2008				
0041PC8 Cond 1	In Compliance	Continuous	Documentation of pit usage (days, material stored and cleaning operations)	
0041PC8 Cond 2	In Compliance	Continuous	Documentation of Semi - Annual Report	
71.4N2 Cond 1	In Compliance	Continuous	Documentation of pit usage (days, material stored and cleaning operations)	
71.4N2 Cond 2	In Compliance	Continuous	Documentation of emergency pit usage and annual certification by responsible official	
71.4N2 Cond 3	In Compliance	Continuous	Documentation of pit usage (days, material stored and cleaning operations)	
Equipment 1 - Crude Oil Loading Facility BL VR Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
71.3N3 Cond 1	In Compliance	Continuous	Work Practices - Transfer of ROC Liquids. Facility idle during this compliance period.	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 23 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.3N3 Cond 2	In Compliance	Continuous	Work Practices - Transfer of ROC Liquids. Facility idle during this compliance period.	
71.3N3 Cond 3	In Compliance	Continuous	Work Practices - Transfer of ROC Liquids. Facility idle during this compliance period.	
71.3N3 Cond 4	In Compliance	Continuous	Documentation of leak inspections. Facility idle during this compliance period.	
71.3N3 Cond 6	In Compliance	Continuous	Work Practices - Transfer of ROC Liquids. Facility idle during this compliance period.	
71.3N3 Cond 7	In Compliance	Continuous	Documentation of leak inspections. Facility idle during this compliance period.	
71.3N3 Cond 8	In Compliance	Continuous	Documentation of leak inspections. Facility idle during this compliance period.	
71.3N3 Cond 9	In Compliance	Continuous	Documentation of leak inspections. Facility idle during this compliance period.	
71.3N3 Cond 10	In Compliance	Continuous	Documentation of inspection records. Facility idle during this compliance period.	
Equipment: 1-1050 MMBT D/Fir John Zink's Hydro. Flare. Revision 10/07/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 24 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 2	In Compliance	Continuous	Documentation of flare operating logs	
0041PC2 Cond 3	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 4	In Compliance	Continuous	Documentation of flare's ignition test	
TP0041 Cond 4	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment 1205 MMBTU/hr 6 Flare (includes coxsal 2 MMBTU/hr 15" unit) Revised on 01/12/09				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 2	In Compliance	Continuous	Documentation of flare operating logs	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 25 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC2 Cond 3	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 4	In Compliance	Continuous	Documentation of flare's ignition test	
TP0041 Cond 5	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment 1: 616 BHP Steam Burner, 1000 HP Engine, Model #521GL (C-20) Revised on 01/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
74.9N4 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N4 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 3	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 4	In Compliance	Continuous	Documentation of quarterly engine screening analysis	
74.9N4 Cond 5	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC			Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011			Page 26 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.9N4 Cond 6	In Compliance	Continuous	Documentation of I.C. engine inspection logs	
74.9N4 Cond 7	In Compliance	Continuous	Documentation of Annual Certification submittals	
PE0041 Cond 3	In Compliance	Continuous	Documentation of emissions	
TP0041 Cond 6	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment: 1 616 BHP Lean Burn NG Waukesha Engine Model J252(G) (C-202) Revised on 10/17/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
74.9N4 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N4 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 3	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 4	In Compliance	Continuous	Documentation of quarterly engine screening analysis	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011				
COLUMN 1 Citation	COLUMN 2 Compliance Status <small>(As indicated by most recent monitoring measurement or observation)</small>	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information <small>(excursions, exceedences, or additional data that indicated non compliance during the certification period)</small>
74.9N4 Cond 5	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
74.9N4 Cond 6	In Compliance	Continuous	Documentation of I.C. engine inspection logs	
74.9N4 Cond 7	In Compliance	Continuous	Documentation of Annual Certification submittals	
PE0041 Cond 4	In Compliance	Continuous	Documentation of emissions	
TP0041 Cond 7	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment 1 14 25 MMBTU/HR NG Whetzel Heater Serial No. WJ81-009 Low Nox Revised on 10/17/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC3 Cond 1	In Compliance	Continuous	Documentation of fuel consumption records	
0041PC3 Cond 2	In Compliance	Continuous	Documentation of fuel consumption records	
0041PC3 Cond 3	In Compliance	Continuous	Documentation of source test reports	
0041PC3 Cond 4	In Compliance	Continuous	Documentation of fuel consumption records	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 28 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC3 Cond 5	In Compliance	Continuous	Documentation of operating parameters	
0041PC3 Cond 6	In Compliance	Continuous	Documentation of source test reports	
0041PC3 Cond 7	In Compliance	Continuous	Reference Condition	
74.15N1 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.15N1 Cond 2	In Compliance	Continuous	Documentation of source test reports	
74.15N1 Cond 3	In Compliance	Continuous	Documentation of alternate fuel use	
74.15N1 Cond 4	In Compliance	Continuous	Documentation of startup procedure	
74.15N1 Cond 5	In Compliance	Continuous	Documentation of alternate fuel use and source test report upon District request	
74.15N1 Cond 6	In Compliance	Continuous	Documentation of FGR monitoring and recordkeeping requirements	
TP0041 Cond 8	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment 1 - Glycol Dehydrator System (12.3 MMSGD/Ethylene Glycol)				
1 - Glycol Dehydrator Vent VR				
1 - 1.50 MMBTU/HR Glycol Reboiler (hot oil heated)				
1 - 14 BBL Glycol Condensation Tank VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 29 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
71.5N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.5N1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
71.5N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
71.5N1 Cond 4	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.5N1 Cond 5	In Compliance	Continuous	Documentation of glycol unit records	
71.5N1 Cond 6	In Compliance	Continuous	Documentation of equipment configuration /leak inspections and Annual Certification by Responsible Official	
Equipment: 100 BHP Lean Burn NG Vaukosta Engine Model #702GL (C-10), Revision 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 30 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
74.9N4 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N4 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 3	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 4	In Compliance	Continuous	Documentation of quarterly engine screening analysis	
74.9N4 Cond 5	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
74.9N4 Cond 6	In Compliance	Continuous	Documentation of I.C. engine inspection logs	
74.9N4 Cond 7	In Compliance	Continuous	Documentation of Annual Certification submittals	
Equipment: 108 BHP Lean Burn NG Vaukese Engine Model 70-2GL (C-102) Revision 10/2/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 31 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
74.9N4 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N4 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 3	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N4 Cond 4	In Compliance	Continuous	Documentation of quarterly engine screening analysis	
74.9N4 Cond 5	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
74.9N4 Cond 6	In Compliance	Continuous	Documentation of I.C. engine inspection logs	
74.9N4 Cond 7	In Compliance	Continuous	Documentation of Annual Certification submittals	
Equipment: 100 BHP Lean Burn I.C. Waukesha Engine Model U/04GL (C-10S) Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 32 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)	
74.9N4 Cond 1	In Compliance	Continuous	Documentation of source test reports		
74.9N4 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements		
74.9N4 Cond 3	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements		
74.9N4 Cond 4	In Compliance	Continuous	Documentation of quarterly engine screening analysis		
74.9N4 Cond 5	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan		
74.9N4 Cond 6	In Compliance	Continuous	Documentation of I.C. engine inspection logs		
74.9N4 Cond 7	In Compliance	Continuous	Documentation of Annual Certification submittals		
Equipment: Glycol Dehydrator System (16" MMSCFD Methylen Glycol) 1 - Glycol Dehydrator Vent VR 1 - 0.865 MMBTU/HR NG Glycol Reboiler UNC 1 - 11 BBL Glycol Condensation Tank VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 33 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
71.5N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	ROC emissions were not controlled when the vapor recovery unit for the glycol dehydrator system went down following inadvertent removal of a PLC card. Breakdown relief requested and granted. Event Date: 06/29/2010
71.5N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	ROC emissions were not controlled when the vapor recovery unit for the glycol dehydrator system went down following a piston ring failure on the compressor. Breakdown relief requested and granted. Event Date: 07/13/2010
71.5N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	ROC emissions were not controlled when the vapor recovery unit for the glycol dehydrator system failed to operate following a planned shutdown at Central Compressor Plant. Breakdown relief requested and granted. Event Date: 05/28/2010
71.5N1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 34 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.5N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
71.5N1 Cond 4	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.5N1 Cond 5	In Compliance	Continuous	Documentation of glycol unit records	
71.5N1 Cond 6	In Compliance	Continuous	Documentation of equipment configuration /leak inspections and Annual Certification by Responsible Official	
Equipment: 2000 BBL RWI Emergency V75 Tank to AWTIS (1/7/08) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 1 - 3000 BBL Hartman Filtered Water Tank (1/2/06) VR Revised on 6/4/2008				



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 35 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A gas leak on the Hartman filled in water tank (TWPM-T006) resulted in emissions of produced gas not being directed to a fuel or sales gas system or a flare. Breakdown relief requested. Event Date: 02/08/2011
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 850-B5U Filter-Agen Silo With Baghouse Control System (11/2/10) Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
TP0041 Cond 9	In Compliance	Continuous	Documentation of throughput records	
Equipment: 856 - Oil Wells Revised on 10/1/2009				



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 36 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)	
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records		
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters		
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration		
PE0041 Cond 9	In Compliance	Continuous	Documentation of emissions		
Equipment 73 - 500 BBL Portable Tanks Revised on 6/7/2008					
71.1N6 Cond 1	In Compliance	Continuous	Work Practices - Portable Tanks		
71.1N6 Cond 2	In Compliance	Continuous	Work Practices - Portable Tanks		
71.1N6 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		
71.1N6 Cond 4	In Compliance	Continuous	Documentation of tank inspections and Annual Certification by Responsible Official		
71.1N6 Cond 5	In Compliance	Continuous	Documentation of portable tank records		
Equipment - Solvent Wipe Cleaning Revised on 10/11/2009					
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records		
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 37 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
Equipment: Portable Open Top Mixing Bln, 242-25 sqft, (6-25 ft. x 28-3-ft.) Revised on 6/4/2008				
0041PC5 Cond 1	In Compliance	Continuous	Documentation of operating logs	
0041PC5 Cond 2	In Compliance	Continuous	Documentation of operating logs	
TP0041 Cond 17	In Compliance	Continuous	Documentation of throughput records	
Equipment: Tank Truck, LPC Loading Facility w/Closed Vapor Recovery System Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC11 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC11 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
TP0041 Cond 10	In Compliance	Continuous	Documentation of throughput records	
Equipment: 1 - 630 BHP Detroit Diesel Emergency Standby Engine, Serial NO. L16349 Revised on 6/4/2008				
74.9N7 Cond 1	In Compliance	Continuous	Documentation of engine run-time records	
74.9N7 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 38 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.9N7 Cond 3	In Compliance	Continuous	Documentation of Annual Certification submittals	
74.9N7 Cond 4	In Compliance	Continuous	Annual report requirements	
Equipment 1 - 630 BHP Detroit Diesel Emergency Standby Engine, Serial No. L15530 Revised on 6/7/2008				
74.9N7 Cond 1	In Compliance	Continuous	Documentation of engine run-time records	
74.9N7 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
74.9N7 Cond 3	In Compliance	Continuous	Documentation of Annual Certification submittals	
74.9N7 Cond 4	In Compliance	Continuous	Annual report requirements	
Equipment 1 - 8000 BBL COST Stock Tank (NORD - T026A) VR Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Intermittent	Documentation of throughput and consumption records	The 12 month throughput limit of 1,277.5 MBBL/Yr for Tank T-026A was exceeded during the month of February Event Date: 03/01/2011
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011			
COLUMN 1 Citation	COLUMN 2 Compliance Status <small>(As indicated by most recent monitoring measurement or observation)</small>	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official
TP0041 Cond 11	In Compliance	Continuous	Documentation of throughput records
Equipment 1 - 14.35 MMBtu/hr NG BY SIS Manufacturing Oil Heater No. 607A Revised on 10/17/2009			
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration
0041PC3 Cond 1	In Compliance	Continuous	Documentation of fuel consumption records
0041PC3 Cond 2	In Compliance	Continuous	Documentation of fuel consumption records
0041PC3 Cond 3	In Compliance	Continuous	Documentation of source test reports
0041PC3 Cond 4	In Compliance	Continuous	Documentation of fuel consumption records
		COLUMN 5 Additional Information <small>(excursions, exceedences, or additional data that indicated non compliance during the certification period)</small>	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 40 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC3 Cond 5	In Compliance	Continuous	Documentation of operating parameters	
0041PC3 Cond 6	In Compliance	Continuous	Documentation of source test reports	
0041PC3 Cond 7	In Compliance	Continuous	Reference Condition	
0041PC9 Cond 1	In Compliance	Continuous	Documentation of electrical power source	
0041PC9 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
74.15N1 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.15N1 Cond 2	In Compliance	Continuous	Documentation of source test reports	
74.15N1 Cond 3	In Compliance	Continuous	Documentation of alternate fuel use	
74.15N1 Cond 4	In Compliance	Continuous	Documentation of startup procedure	
74.15N1 Cond 5	In Compliance	Continuous	Documentation of alternate fuel use and source test report upon District request	
74.15N1 Cond 6	In Compliance	Continuous	Documentation of FGR monitoring and recordkeeping requirements	
TP0041 Cond 12	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment: 14275 sq ft (9.5 x 15) Covered Trough (Sump) Revised on 6/22/05				
0041PC14 Cond 1	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 41 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC14 Cond 3	In Compliance	Continuous	Work Practices - Tank Inspection	
0041PC14 Cond 4	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 5	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 6	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 7	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 8	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
71.4N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration and WP - Pits, Ponds, and Well Cellars	
71.4N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.4N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.4N1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 2 - 500 BB - Waste Fluids/Solids Storage Tanks - WP - Revision on 6/4/2008				
0041PC14 Cond 1	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 42 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC14 Cond 3	In Compliance	Continuous	Work Practices - Tank Inspection	
0041PC14 Cond 4	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 5	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 6	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 7	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 8	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
TP0041 Cond 9	In Compliance	Continuous	Documentation of throughput records	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 43 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC14 Cond 1	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
0041PC14 Cond 3	In Compliance	Continuous	Work Practices - Tank Inspection	
0041PC14 Cond 4	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 5	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 6	In Compliance	Continuous	Work Practices - Solids Processing System	
0041PC14 Cond 7	In Compliance	Continuous	Documentation of throughput records	
0041PC14 Cond 8	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
Equipment: 3000 BBL PWT State Source Water Tank (TWCF-260B) VR. Revised on 3/2/2010				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Produced gas was not controlled when the instrument air supply got shut off inadvertently causing the valves on the vapor recovery line to fail closed. Isolating Source Water Tank TWCF-T260B from the system. Event Date: 12/15/2010
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 44 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities		
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment 1-3000-BBL-PWJ-Static Source Water Tank (TWCF-260A) VS. Revision on 3/22/2010					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities		
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment 1-3000-BBL-PWJ-Hartman A Tank (TWPM-1210A) VR. Revision on 10/1/2009					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 45 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1-3000 BBL PWT Harman B Tank (T-400A) VR Revised on 10/11/2009				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1-3000 BBL LACT Tank (T-400A) VR Revised on 10/11/2009				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 46 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 3000 BBL LAGO Tank (T-420) VR Revision on 10/1/2009				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 3000 BBL PWT (T-410A) VR Revision on 10/1/2009				



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011			
COLUMN 1 Citation	COLUMN 2 Compliance Status <small>(As indicated by most recent monitoring measurement or observation)</small>	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official
Equipment 1 - 3000-BBL PWT (1-50A) VR Revised on 10/7/2009			
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official

**COLUMN 5
Additional Information**
(excursions, exceedances, or additional data that indicated non compliance during the certification period)



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 48 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)
Equipment 1-5000 BBL PWT Blended Water Tank (VWCP-1500) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1-4000 BBL PWT Pre-Wemco Tank (VWCP-1400) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 49 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment 1-3000 BBL PWT Brite Tank (MWCP-1300) VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities		
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment 1-2000 BBL PWT Wemco Skim Tank (MWCP-1200) VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 50 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities		
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment 1 - 1000 BBL PWT Overflow Tank (VWCP-140) VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities		
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment 1 - 894 BBL PWT Cone Bottom 5-cell Tank (VWCP-140) VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 51 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1-1000 BBL Solids Tank COST (WWS17-03) OR Revision on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC				Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011				Page 52 of 62	
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedances, or additional data that indicated non compliance during the certification period)	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment #1 - 435 BBL PWT Wemco #1 (WVCP-W420) VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities		
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official		
Equipment #2 - 435 BBL PWT Wemco #2 (WVCP-W420) VR Revised on 6/4/2008					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications		
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan		



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 53 of 62		
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status (As indicated by most recent monitoring measurement or observation)	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 2000 BBL PWT Main (VCLB/1205) VS Revised on 06/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 625 BHP Rich Bum White NG Engine, Model C6258 (WF-1) NSCR Revised on 10/12009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011				
Page 54 of 62				
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
74.9N3 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N3 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N3 Cond 3	In Compliance	Continuous	Documentation of quarterly engine screening analysis	
74.9N3 Cond 4	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
74.9N3 Cond 5	In Compliance	Continuous	Documentation of I.C. engine inspection logs	
74.9N3 Cond 6	In Compliance	Continuous	Documentation of Annual Certification submittals	
74.9N3 Cond 7	In Compliance	Continuous	Documentation of Compliance Assurance Monitoring (CAM) test records and implementation of IC Engine Operator Inspection Plan	
Equipment 1 - 625 BHP Rich Burn White NG Engine, Model G259 (MPE2) NSCF, Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041	
Certification Period: 04/01/2010 through 03/31/2011			
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.
74.9N3 Cond 1	In Compliance	Continuous	Documentation of source test reports
74.9N3 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements
74.9N3 Cond 3	In Compliance	Continuous	Documentation of quarterly engine screening analysis
74.9N3 Cond 4	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan
74.9N3 Cond 5	In Compliance	Continuous	Documentation of I.C. engine inspection logs
74.9N3 Cond 6	In Compliance	Continuous	Documentation of Annual Certification submittals
74.9N3 Cond 7	In Compliance	Continuous	Documentation of Compliance Assurance Monitoring (CAM) test records and implementation of IC Engine Operator Inspection Plan
Equipment: 1 - 300 sq ft Pit (V12) Exempt - 5 mg/l. Revised on 8/4/2008			
71.4N3 Cond 1	In Compliance	Continuous	Documentation of ROC analysis
71.4N3 Cond 2	In Compliance	Continuous	Work Practices - Pits, Ponds, and Well Cellars
71.4N3 Cond 3	In Compliance	Continuous	Documentation of ROC analysis and Annual Certification by Responsible Official
Equipment: 1 - 15,000 BBL COS (V01D-1201) VR Revised on 10/1/2009			
<div style="float: right;">Page 55 of 62</div>			



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 56 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment 1 - 2,000 BBL Raw Water Tank (WPC-110) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 57 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 1-3,000 CFM Filtered Water Tank (VWP4-1102) VR. Revised on 6/4/2009				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 1-7,000 CFM (48" x 21.5" O.D.) Filter Agent Silo w/DCE Siloair Dust Filter. Model VS15K53 (VWP4-S001) Revised on 10/11/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 58 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC12 Cond 1	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC12 Cond 2	In Compliance	Continuous	Documentation of maintenance records and Annual Certification by Responsible Official	
TP0041 Cond 17	In Compliance	Continuous	Documentation of throughput records	
Equipment 292 GMB 11161612 for Pressure Flare, Revision 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC2 Cond 2	In Compliance	Continuous	Documentation of flare operating logs	
0041PC2 Cond 3	In Compliance	Continuous	Documentation of equipment configuration	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 59 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
0041PC2 Cond 4	In Compliance	Continuous	Documentation of flare's ignition test	
TP0041 Cond 18	In Compliance	Continuous	Documentation of throughput records	
Equipment 1 748 BHP Rich Burn Waukesha Engine Model 137600U (CPZ-1) NSCR Revised on 10/17/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC4 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC4 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
74.9N3 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N3 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N3 Cond 3	In Compliance	Continuous	Documentation of quarterly engine screening analysis	
74.9N3 Cond 4	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
74.9N3 Cond 5	In Compliance	Continuous	Documentation of I.C. engine inspection logs	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 60 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.9N3 Cond 6	In Compliance	Continuous	Documentation of Annual Certification submittals	
74.9N3 Cond 7	In Compliance	Continuous	Documentation of Compliance Assurance Monitoring (CAM) test records and implementation of IC Engine Operator Inspection Plan	
TP0041 Cond 19	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment 1 74.9N3 Rich Burn Waukesha VC Engine Model 5790GU (C7-2) NSOR Revised on 01/12/09				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
0041PC1 Cond 2	In Compliance	Continuous	Documentation of equipment configuration and operating parameters	
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
0041PC4 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	
0041PC4 Cond 2	In Compliance	Continuous	Documentation of equipment configuration	
74.9N3 Cond 1	In Compliance	Continuous	Documentation of source test reports	
74.9N3 Cond 2	In Compliance	Continuous	Documentation of I.C. engine source test methods and submittal requirements	
74.9N3 Cond 3	In Compliance	Continuous	Documentation of quarterly engine screening analysis	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011		Page 61 of 62		
COLUMN 1 Citation	COLUMN 2 Compliance Status (As indicated by most recent monitoring measurement or observation)	COLUMN 3 Determination Method: "CONTINUOUS" OR "INTERMITTENT"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information (excursions, exceedences, or additional data that indicated non compliance during the certification period)
74.9N3 Cond 4	In Compliance	Continuous	Documentation of IC Engine Operator Inspection Plan	
74.9N3 Cond 5	In Compliance	Continuous	Documentation of I.C. engine inspection logs	
74.9N3 Cond 6	In Compliance	Continuous	Documentation of Annual Certification submittals	
74.9N3 Cond 7	In Compliance	Continuous	Documentation of Compliance Assurance Monitoring (CAM) test records and implementation of IC Engine Operator Inspection Plan	
TP0041 Cond 20	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment # 20-090 BBU Spare Tank (VOTD-206) VR Revision on 6/6/2009				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A gas leak in tank VOTD-206 resulted in emissions of produced gas not being directed to a fuel or sales gas system or a flare. Breakdown relief requested and granted. Event Date: 09/16/2010
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.1N1 Cond 4	In Compliance	Continuous	Documentation of vapor recovery component inspections and maintenance activities	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2010 through 03/31/2011				
<u>COLUMN 1</u> Citation	<u>COLUMN 2</u> Compliance Status <small>(As indicated by most recent monitoring measurement or observation)</small>	<u>COLUMN 3</u> Determination Method: "CONTINUOUS" OR "INTERMITTENT"	<u>COLUMN 4</u> Method for determining Compliance Status.	<u>COLUMN 5</u> Additional Information <small>(excursions, exceedences, or additional data that indicated non compliance during the certification period)</small>
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/10 (MM/DD/YY) to 03/31/11 (MM/DD/YY)

A. Attachment # or Permit Condition #: Rule: 71.5N1 Rule Condition No: 1	B. Equipment Description: Glycol Dehydrator System (16.1 MMSCFD/Triethylene Glycol) 1 - Glycol Dehydrator Vent VR	C. Deviation Period: Date & Time Begin: 5/28/2010 12:00:00PM End: 5/29/2010 11:51:00AM When Discovered: 5/28/2010 12:00:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: ROC emissions were not controlled when the vapor recovery unit for the glycol dehydrator system failed to operate following a planned shutdown at Central Compressor Plant.		H. Corrective actions taken: The wiring was repaired and the vapor recovery system resumed operation.

A. Attachment # or Permit Condition #: Rule: 74.10 Rule Condition No: 2	B. Equipment Description: FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 6/2/2010 12:30:00PM End: 6/2/2010 12:50:00PM When Discovered: 6/2/2010 12:30:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: A hatch on a portable tank was left open and unattended following maintenance operations.		H. Corrective actions taken: The hatch was closed and secured. Procedures will be reviewed to ensure long term sustainability of the portable tank process.

A. Attachment # or Permit Condition #: Rule: 71.5N1 Rule Condition No: 1	B. Equipment Description: Glycol Dehydrator System (16.1 MMSCFD/Triethylene Glycol) 1 - Glycol Dehydrator Vent VR	C. Deviation Period: Date & Time Begin: 6/29/2010 3:18:00PM End: 6/29/2010 5:30:00PM When Discovered: 6/29/2010 3:18:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: ROC emissions were not controlled when the vapor recovery unit for the glycol dehydrator system went down following inadvertent removal of a PLC card.		H. Corrective actions taken: The PLC card was replaced and the vapor recovery unit resumed operation. A backup vapor recovery compressor is being installed to provide redundancy.



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/10 (MM/DD/YY) to 03/31/11 (MM/DD/YY)

A. Attachment # or Permit Condition #: Rule: 71.5N1 Rule Condition No: 1	B. Equipment Description: Glycol Dehydrator System (16.1 MMSCFD/Triethylene Glycol) 1 - Glycol Dehydrator Vent VR	C. Deviation Period: Date & Time Begin: 7/13/2010 4:00:00PM End: 7/13/2010 5:00:00PM When Discovered: 7/13/2010 4:00:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: ROC emissions were not controlled when the vapor recovery unit for the glycol dehydrator system went down following a piston ring failure on the compressor.		H. Corrective actions taken: The compressor was repaired and the vapor recovery system resumed operation. A backup vapor recovery compressor is being installed to provide redundancy.

A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1	B. Equipment Description: 1 - 20,000 BBL Spare Tank (VOTD-T206) VR	C. Deviation Period: Date & Time Begin: 9/16/2010 10:40:00AM End: 9/16/2010 6:00:00PM When Discovered: 9/16/2010 10:40:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: A gas leak in tank VOTD-206 resulted in emissions of produced gas not being directed to a fuel or sales gas system or a flare.		H. Corrective actions taken: The area of leakage was sealed tight using Splash Zone resulting in control of produced gas. A new tank is scheduled to be installed in 2011.

A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1	B. Equipment Description: FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 10/19/2010 12:15:00AM End: 10/19/2010 6:45:00AM When Discovered: 10/19/2010 6:45:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Produced gas was not controlled when a Southern California Edison power outage occurred causing the vapor recovery compressors at the river bottom production facility to shutdown.		H. Corrective actions taken: The vapor recovery system was reset and resumed operation.



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/10 (MM/DD/YY) to 03/31/11 (MM/DD/YY)

A. Attachment # or Permit Condition #: Rule: 74.10 Rule Condition No: 2	B. Equipment Description: FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 10/19/2010 12:00:00PM End: 10/19/2010 12:15:00PM When Discovered: 10/19/2010 12:15:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: A hatch on a portable tank was left open and unattended following maintenance operations on a well.		H. Corrective actions taken: The hatch was closed and secured. Procedures will be reviewed to ensure long term sustainability of the portable tank process.

A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1	B. Equipment Description: FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 11/2/2010 1:00:00PM End: 11/2/2010 2:40:00PM When Discovered: 11/2/2010 1:00:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Produced gas was not controlled when a 1-inch air line was severed causing vacuum valves on tanks at Taylor Tank Farm to fail closed. The vapor recovery compressors remained in operation during this period.		H. Corrective actions taken: The air line was repaired and vapor recovery resumed normal operation.

A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1	B. Equipment Description: 1 -3000 BBL PWT Spare Source Water Tank (TWCF-260B) VR	C. Deviation Period: Date & Time Begin: 12/15/2010 10:45:00AM End: 12/15/2010 12:48:00PM When Discovered: 12/15/2010 12:30:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Produced gas was not controlled when the instrument air supply got shut off inadvertently causing the valves on the vapor recovery line to fail closed, isolating Source Water Tank TWCF-T260B from the system.		H. Corrective actions taken: The instrument air valve was reopened and vapor recovery system resumed normal operation. A zip tie will be used to maintain the valve handle in an open position.



**ANNUAL COMPLIANCE CERTIFICATION
DEVIATION SUMMARY FORM**

Period Covered by Compliance Certification: 04/01/10 (MM/DD/YY) to 03/31/11 (MM/DD/YY)

A. Attachment # or Permit Condition #: Rule: 71.1.C Rule Condition No: 1	B. Equipment Description: FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 2/4/2011 9:54:00AM End: 2/4/2011 10:20:00AM When Discovered: 2/4/2011 9:54:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Produced gas was not controlled when the vapor recovery compressors at CP3 shut down after a blown PLC fuse.		H. Corrective actions taken: The compressors were changed to manual operation and vapor recovery resume normal operation.

A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1	B. Equipment Description: 1 - 3000 BBL Hartman Filtered Water Tank (TWPM-T006) VR	C. Deviation Period: Date & Time Begin: 2/8/2011 11:30:00AM End: 2/9/2011 10:30:00AM When Discovered: 2/8/2011 11:30:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: A gas leak on the Hartman filtered water tank (TWPM-T006) resulted in emissions of produced gas not being directed to a fuel or sales gas system or a flare.		H. Corrective actions taken: The area of leakage was sealed tight using Splash Zone resulting in control of produced gas. A replacement tank is scheduled to be installed in 2012.

A. Attachment # or Permit Condition #: Rule: 0041PC1 Rule Condition No: 1	B. Equipment Description: 1 - 8000 BBL COST Stock tank (VORD - T026A) VR	C. Deviation Period: Date & Time Begin: 3/1/2011 12:00:00AM End: 3/16/2011 4:30:00PM When Discovered: 3/16/2011 10:20:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: The 12 month throughput limit of 1,277.5 MBBL/Yr for Tank T-026A was exceeded during the month of February.		H. Corrective actions taken: An application to modify the permit was submitted to change Tank T-026A to a LACT tank with no associated throughput limit.

Aera Energy LLC
Ventura Unit

Permit 0041
Annual report
April 1, 2010 – March 31, 2011

Additional information:

40 CFR Part 61.145 Compliance

Aera has complied with applicable inspection, notification, removal, and disposal procedures for ACM as specified in "Standards for Demolition and Renovation." Copies of required documentation are available upon request.

Concrete Bowl Records

The concrete bowl has not been used during the certification period.

Biennial Source Test Results

Source tests were completed for the following combustion equipment and delivered to the District:

- Gas Plant #2, Engine No. C-202, May 11, 2010
- Gas Plant #2, Engine No. C-201, May 12, 2010
- Gas Plant #7, BYIS Heater No. 601-A, May 28, 2010
- Waterflood #1, Engine No. WF1-1, July 21, 2010
- Waterflood #1, Engine No. WF1-2, July 21, 2010

Rule 64.B.1 Compliance

The fuel test was performed on 3/24/11 and the results were 0.1 ppm for H₂S. All fuel gas is processed at Gas Plant 7 where the test is performed by Aera personnel. The method used for this test is ASTM D 4810-88.

Rule 71.4 Compliance

There was no change in the operation of Pit V-127 during the certification period. Sampling of the fluid in the pit was performed on 9/29/10 (see attached laboratory results). The pit is exempt from this rule as the ROC content of the liquid is less than 5 mg/l.

Rule 74.2 Compliance

All coatings used at this facility have been reviewed for the VOC content and are in compliance with current regulation.

Rule 74.6 Compliance

All solvents used at this facility have been reviewed for the ROC content and contain less than 25 grams/liter.

Internal Combustion Engine Emissions Test Results

Analyzer Type: Enerac or Testo

Year: 2010-2011

						Runtime Hours			Corrective Actions
						Quarter 2, 2010			
Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Apr	May	Jun	
C-101*	5/19/2010	11.29	NOX	20 ppm	DES	370	415	278	
			CO	270 ppm					
C-102*	5/19/2010	10.47	NOX	24 ppm	DES	639	433	525	
			CO	265 ppm					
C-103*	5/19/2010	10.28	NOX	39 ppm	DES	417	597	615	
			CO	300 ppm					
C-201*	5/12/2010	15.00	NOX	37ppm	Aeros	318	644	654	
			CO	315ppm					
C-202*	5/11/2010	15.00	NOX	22ppm	Aeros	403	101	65	
			CO	294ppm					
CP 2-1**	5/20/2010	0.1	NOX	16ppm	DES	274	2	224	
			CO	3222ppm					
CP 2-2**	5/20/2010	0.16	NOX	16ppm	DES	443	743	498	
			CO	917ppm					
WF1-1**	6/24/2010	0.42	NOX	8ppm	DES	0	0	18	
			CO	940ppm					
WF1-2**	6/24/2010	0.26	NOX	9ppm	DES	0	0	17	
			CO	1476ppm					

						Runtime Hours			Corrective Actions
						Quarter 3, 2010			
Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Jul	Aug	Sep	
C-101*	7/30/2010	11.27	NOX	38ppm	DES	470	470	289	
			CO	258ppm					
C-102*	7/30/2010	10.30	NOX	33ppm	DES	457	414	573	
			CO	260ppm					
C-103*	7/30/2010	10.56	NOX	35ppm	DES	562	591	563	
			CO	277ppm					
C-201*	7/23/2010	11.44	NOX	39ppm	DES	187	99	193	
			CO	291ppm					
C-202*	7/23/2010	11.17	NOX	44ppm	DES	552	646	522	
			CO	284ppm					
CP 2-1**	8/26/2010	0.10	NOX	10ppm	DES	709	228	524	
			CO	3356ppm					
CP 2-2**	8/26/2010	0.40	NOX	9ppm	DES	34	517	191	
			CO	309ppm					
WF1-1**	7/21/2010	15.00	NOX	7ppm	Aeros	609	734	633	
			CO	1294ppm					
WF1-2**	7/21/2010	15.00	NOX	17ppm	Aeros	625	733	616	
			CO	2057ppm					

* Lean Burn NO_x limit = 45 PPM

** Rich Burn NO_x limit = 25 PPM

All Engines CO limit = 4500 PPM

Internal Combustion Engine Emissions Test Results

Analyzer Type: Enerac or Testo

Year: 2010-2011

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Runtime Hours			Corrective Actions
						Quarter 4, 2010			
						Oct	Nov	Dec	
C-101*	10/12/2010	10.72	NOX	33ppm	DES	551	145	503	
			CO	268ppm					
C-102*	10/12/2010	10.66	NOX	31ppm	DES	88	584	358	
			CO	293ppm					
C-103*	10/12/2010	10.99	NOX	37ppm	DES	629	695	617	
			CO	297ppm					
C-201*	10/22/2010	10.68	NOX	28ppm	DES	697	671	588	
			CO	272ppm					
C-202*	10/22/2010	10.95	NOX	29ppm	DES	38	45	150	
			CO	255ppm					
CP 2-1**	10/19/2010	0.06	NOX	6ppm	DES	4	702	383	
			CO	1317ppm					
CP 2-2**	10/13/2010	0.09	NOX	11ppm	DES	731	11	351	
			CO	919ppm					
WF1-1**	N/A	N/A	NOX	N/A		0	0	0	No quarterly test was conducted since engine operated less than 32 hours each month.
			CO						
WF1-2**	12/29/2010	0.12	NOX	4.6ppm	DES	7	173	5	
			CO	531ppm					

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Runtime Hours			Corrective Actions
						Quarter 1, 2011			
						Jan	Feb	Mar	
C-101*	2/10/2011	10.68	NOX	35ppm	DES	287	444	193	
			CO	250ppm					
C-102*	2/10/2011	10.70	NOX	35ppm	DES	583	331	619	
			CO	277ppm					
C-103*	2/10/2011	12.20	NOX	37ppm	DES	613	562	560	
			CO	281ppm					
C-201*	2/3/2011	10.71	NOX	35ppm	DES	669	480	388	
			CO	282ppm					
C-202*	2/3/2011	10.87	NOX	35ppm	DES	72	194	348	
			CO	270ppm					
CP 2-1**	3/9/2011	0.10	NOX	12ppm	DES	0	0	223	
			CO	236ppm					
CP 2-2**	3/9/2011	0.07	NOX	10ppm	DES	732	672	513	
			CO	2296ppm					
WF1-1**	N/A	N/A	NOX	N/A		0	0	0	No quarterly test was conducted since engine operated less than 32 hours each month.
			CO						
WF1-2**	N/A	N/A	NOX	N/A		0	0	0	No quarterly test was conducted since engine operated less than 32 hours each month.
			CO						

* Lean Burn NO_x limit = 45 PPM

** Rich Burn NO_x limit = 25 PPM

All Engines CO limit = 4500 PPM

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Apr-10	11.5	Auto			
02-Apr-10	10.6	Auto			
03-Apr-10	12.2	Auto			
04-Apr-10	11.6	Auto			
05-Apr-10	6.5	Auto			
06-Apr-10	12.3	Auto			
07-Apr-10	11.9	Auto			
08-Apr-10	12.4	Auto			
09-Apr-10	11.3	Auto			
10-Apr-10	11.8	Auto			
11-Apr-10	12.4	Auto			
12-Apr-10	13.3	Auto			
13-Apr-10					
14-Apr-10					
15-Apr-10					
16-Apr-10					
17-Apr-10					
18-Apr-10					
19-Apr-10					
20-Apr-10					
21-Apr-10					
22-Apr-10					
23-Apr-10					
24-Apr-10					
25-Apr-10					
26-Apr-10					
27-Apr-10					
28-Apr-10					
29-Apr-10					
30-Apr-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Apr-10					
02-Apr-10					
03-Apr-10					
04-Apr-10					
05-Apr-10					
06-Apr-10					
07-Apr-10					
08-Apr-10					
09-Apr-10					
10-Apr-10					
11-Apr-10					
12-Apr-10					
13-Apr-10	16.3	Auto			
14-Apr-10	19.7	Auto			
15-Apr-10	19.3	Auto			
16-Apr-10	16.6	Auto			
17-Apr-10	16.9	Auto			
18-Apr-10	16.3	Auto			
19-Apr-10	15.5	Auto			
20-Apr-10	13.6	Auto			
21-Apr-10	15.0	Auto			
22-Apr-10	7.5	Auto			
23-Apr-10	5.6	Auto			
24-Apr-10	8.9	Auto			
25-Apr-10	7.6	Auto			
26-Apr-10	7.3	Auto			
27-Apr-10	4.2	Auto			
28-Apr-10	4.6	Auto			
29-Apr-10	1.5	Auto			
30-Apr-10	11.7	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-May-10					
02-May-10					
03-May-10					
04-May-10					
05-May-10					
06-May-10					
07-May-10					
08-May-10					
09-May-10					
10-May-10					
11-May-10					
12-May-10					
13-May-10					
14-May-10					
15-May-10					
16-May-10					
17-May-10					
18-May-10					
19-May-10					
20-May-10					
21-May-10					
22-May-10					
23-May-10					
24-May-10					
25-May-10					
26-May-10					
27-May-10					
28-May-10					
29-May-10					
30-May-10					
31-May-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-May-10	9.1	Auto			
02-May-10	9.3	Auto			
03-May-10	9.2	Auto			
04-May-10	6.2	Auto			
05-May-10	8.5	Auto			
06-May-10	6.3	Auto			
07-May-10	2.1	Auto			
08-May-10	7.7	Auto			
09-May-10	2.3	Auto			
10-May-10	3.0	Auto			
11-May-10	10.4	Auto			
12-May-10	2.7	Auto			
13-May-10	2.0	Auto			
14-May-10	8.1	Auto			
15-May-10	9.3	Auto			
16-May-10	1.8	Auto			
17-May-10	8.5	Auto			
18-May-10	2.9	Auto			
19-May-10	3.8	Auto			
20-May-10	1.7	Auto			
21-May-10	9.4	Auto			
22-May-10	7.1	Auto			
23-May-10	9.1	Auto			
24-May-10	10.0	Auto			
25-May-10	8.5	Auto			
26-May-10	9.2	Auto			
27-May-10	9.1	Auto			
28-May-10	10.0	Auto			
29-May-10	11.5	Auto			
30-May-10	10.5	Auto			
31-May-10	10.2	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jun-10					
02-Jun-10					
03-Jun-10					
04-Jun-10	4.9	Auto			
05-Jun-10	5.1	Auto			
06-Jun-10	9.2	Auto			
07-Jun-10	6.2	Auto			
08-Jun-10					
09-Jun-10					
10-Jun-10					
11-Jun-10					
12-Jun-10	7.2	Auto			
13-Jun-10	3.1	Auto			
14-Jun-10	7.6	Auto			
15-Jun-10	12.8	Auto			
16-Jun-10	6.7	Auto			
17-Jun-10					
18-Jun-10					
19-Jun-10					
20-Jun-10					
21-Jun-10					
22-Jun-10					
23-Jun-10					
24-Jun-10					
25-Jun-10					
26-Jun-10					
27-Jun-10					
28-Jun-10					
29-Jun-10					
30-Jun-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jun-10	11.1	Auto			
02-Jun-10	10.9	Auto			
03-Jun-10	10.2	Auto			
04-Jun-10					
05-Jun-10					
06-Jun-10					
07-Jun-10					
08-Jun-10	10.8	Auto			
09-Jun-10	11.9	Auto			
10-Jun-10	12.4	Auto			
11-Jun-10	11.6	Auto			
12-Jun-10					
13-Jun-10					
14-Jun-10					
15-Jun-10					
16-Jun-10					
17-Jun-10	10.4	Auto			
18-Jun-10	8.8	Auto			
19-Jun-10	11.7	Auto			
20-Jun-10	12.5	Auto			
21-Jun-10	12.0	Auto			
22-Jun-10	12.6	Auto			
23-Jun-10	13.2	Auto			
24-Jun-10	11.5	Auto			
25-Jun-10	12.8	Auto			
26-Jun-10	12.6	Auto			
27-Jun-10	12.7	Auto			
28-Jun-10	11.8	Auto			
29-Jun-10	12.4	Auto			
30-Jun-10	12.3	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jul-10					
02-Jul-10					
03-Jul-10	10.8	Auto			
04-Jul-10	13.3	Auto			
05-Jul-10	12.3	Auto			
06-Jul-10	13.4	Auto			
07-Jul-10	11.2	Auto			
08-Jul-10	11.6	Auto			
09-Jul-10	11.4	Auto			
10-Jul-10	11.3	Auto			
11-Jul-10	12.5	Auto			
12-Jul-10	11.7	Auto			
13-Jul-10	12.7	Auto			
14-Jul-10	11.9	Auto			
15-Jul-10	12.1	Auto			
16-Jul-10	11.7	Auto			
17-Jul-10	12.9	Auto			
18-Jul-10	12.9	Auto			
19-Jul-10	12.7	Auto			
20-Jul-10	13.9	Auto			
21-Jul-10	13.0	Auto			
22-Jul-10	14.3	Auto			
23-Jul-10	14.6	Auto			
24-Jul-10	14.7	Auto			
25-Jul-10	13.7	Auto			
26-Jul-10	13.4	Auto			
27-Jul-10	11.1	Auto			
28-Jul-10	11.6	Auto			
29-Jul-10	13.4	Auto			
30-Jul-10	14.0	Auto			
31-Jul-10	14.5	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jul-10	12.2	Auto			
02-Jul-10	23.7	Auto			
03-Jul-10					
04-Jul-10					
05-Jul-10					
06-Jul-10					
07-Jul-10					
08-Jul-10					
09-Jul-10					
10-Jul-10					
11-Jul-10					
12-Jul-10					
13-Jul-10					
14-Jul-10					
15-Jul-10					
16-Jul-10					
17-Jul-10					
18-Jul-10					
19-Jul-10					
20-Jul-10					
21-Jul-10					
22-Jul-10					
23-Jul-10					
24-Jul-10					
25-Jul-10					
26-Jul-10					
27-Jul-10					
28-Jul-10					
29-Jul-10					
30-Jul-10					
31-Jul-10					

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Aug-10	15.9	Auto			
02-Aug-10	14.5	Auto			
03-Aug-10	15.4	Auto			
04-Aug-10	15.8	Auto			
05-Aug-10	16.5	Auto			
06-Aug-10	16.9	Auto			
07-Aug-10	16.5	Auto			
08-Aug-10	17.0	Auto			
09-Aug-10	16.8	Auto			
10-Aug-10	16.3	Auto			
11-Aug-10					
12-Aug-10					
13-Aug-10					
14-Aug-10					
15-Aug-10					
16-Aug-10					
17-Aug-10					
18-Aug-10					
19-Aug-10					
20-Aug-10					
21-Aug-10					
22-Aug-10					
23-Aug-10					
24-Aug-10					
25-Aug-10					
26-Aug-10					
27-Aug-10					
28-Aug-10					
29-Aug-10					
30-Aug-10					
31-Aug-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Aug-10					
02-Aug-10					
03-Aug-10					
04-Aug-10					
05-Aug-10					
06-Aug-10					
07-Aug-10					
08-Aug-10					
09-Aug-10					
10-Aug-10					
11-Aug-10	5.7	Auto			
12-Aug-10	6.0	Auto			
13-Aug-10	6.5	Auto			
14-Aug-10	6.2	Auto			
15-Aug-10	6.9	Auto			
16-Aug-10	7.2	Auto			
17-Aug-10	4.9	Auto			
18-Aug-10	10.2	Auto			
19-Aug-10	8.5	Auto			
20-Aug-10	8.3	Auto			
21-Aug-10	8.6	Auto			
22-Aug-10	9.1	Auto			
23-Aug-10	9.1	Auto			
24-Aug-10	9.4	Auto			
25-Aug-10	9.1	Auto			
26-Aug-10	9.0	Auto			
27-Aug-10	9.7	Auto			
28-Aug-10	10.9	Auto			
29-Aug-10	10.3	Auto			
30-Aug-10	11.3	Auto			
31-Aug-10	10.1	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Sep-10					
02-Sep-10					
03-Sep-10					
04-Sep-10	11.9	Auto			
05-Sep-10	11.2	Auto			
06-Sep-10	11.1	Auto			
07-Sep-10	5.0	Auto			
08-Sep-10	4.9	Auto			
09-Sep-10	16.2	Auto			
10-Sep-10	14.3	Auto			
11-Sep-10	14.2	Auto			
12-Sep-10	13.8	Auto			
13-Sep-10	15.6	Auto			
14-Sep-10	14.5	Auto			
15-Sep-10	15.4	Auto			
16-Sep-10	16.4	Auto			
17-Sep-10	17.2	Auto			
18-Sep-10	12.3	Auto			
19-Sep-10	15.1	Auto			
20-Sep-10	14.3	Auto			
21-Sep-10	14.5	Auto			
22-Sep-10	14.7	Auto			
23-Sep-10	14.2	Auto			
24-Sep-10	14.2	Auto			
25-Sep-10	13.0	Auto			
26-Sep-10					
27-Sep-10					
28-Sep-10					
29-Sep-10					
30-Sep-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Sep-10	9.8	Auto			
02-Sep-10	10.7	Auto			
03-Sep-10	9.9	Auto			
04-Sep-10					
05-Sep-10					
06-Sep-10					
07-Sep-10					
08-Sep-10					
09-Sep-10					
10-Sep-10					
11-Sep-10					
12-Sep-10					
13-Sep-10					
14-Sep-10					
15-Sep-10					
16-Sep-10					
17-Sep-10					
18-Sep-10					
19-Sep-10					
20-Sep-10					
21-Sep-10					
22-Sep-10					
23-Sep-10					
24-Sep-10					
25-Sep-10					
26-Sep-10	9.2	Auto			
27-Sep-10	9.9	Auto			
28-Sep-10	9.3	Auto			
29-Sep-10	9.1	Auto			
30-Sep-10	8.5	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Oct-10					
02-Oct-10					
03-Oct-10					
04-Oct-10					
05-Oct-10					
06-Oct-10					
07-Oct-10					
08-Oct-10					
09-Oct-10					
10-Oct-10					
11-Oct-10					
12-Oct-10					
13-Oct-10					
14-Oct-10					
15-Oct-10					
16-Oct-10					
17-Oct-10					
18-Oct-10					
19-Oct-10					
20-Oct-10					
21-Oct-10					
22-Oct-10					
23-Oct-10					
24-Oct-10					
25-Oct-10					
26-Oct-10					
27-Oct-10					
28-Oct-10					
29-Oct-10					
30-Oct-10					
31-Oct-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Oct-10	7.5	Auto			
02-Oct-10	6.7	Auto			
03-Oct-10	6.1	Auto			
04-Oct-10	6.9	Auto			
05-Oct-10	8.0	Auto			
06-Oct-10	0.3	Auto			
07-Oct-10	5.4	Auto			
08-Oct-10	4.4	Auto			
09-Oct-10	5.3	Auto			
10-Oct-10	4.5	Auto			
11-Oct-10	2.2	Auto			
12-Oct-10	0.7	Auto			
13-Oct-10	2.7	Auto			
14-Oct-10	3.3	Manual			No excursion - replaced GreenLine and filter. Manual test passed.
15-Oct-10	11.1	Manual			
16-Oct-10	8.8	Auto			
17-Oct-10	8.1	Auto			
18-Oct-10	8.3	Auto			
19-Oct-10	8.4	Auto			
20-Oct-10	5.4	Auto			
21-Oct-10	7.5	Auto			
22-Oct-10	8.8	Auto			
23-Oct-10	8.9	Auto			
24-Oct-10	8.2	Auto			
25-Oct-10	9.2	Auto			
26-Oct-10	6.5	Auto			
27-Oct-10	8.2	Auto			
28-Oct-10	8.2	Auto			
29-Oct-10	7.2	Auto			
30-Oct-10	8.9	Auto			
31-Oct-10	5.8	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Nov-10					
02-Nov-10	5.5	Auto			
03-Nov-10	7.2	Auto			
04-Nov-10	7.3	Auto			
05-Nov-10	8.2	Auto			
06-Nov-10	7.8	Auto			
07-Nov-10	6.9	Auto			
08-Nov-10	6.9	Auto			
09-Nov-10	7.5	Auto			
10-Nov-10	7.6	Auto			
11-Nov-10	6.9	Auto			
12-Nov-10	6.5	Auto			
13-Nov-10	7.3	Auto			
14-Nov-10	7.9	Auto			
15-Nov-10	6.8	Auto			
16-Nov-10	7.2	Auto			
17-Nov-10	7.6	Auto			
18-Nov-10	7.4	Auto			
19-Nov-10	7.3	Auto			
20-Nov-10	7.0	Auto			
21-Nov-10	7.8	Auto			
22-Nov-10	6.9	Auto			
23-Nov-10	7.5	Auto			
24-Nov-10	7.0	Auto			
25-Nov-10	6.9	Auto			
26-Nov-10	6.9	Auto			
27-Nov-10	7.3	Auto			
28-Nov-10	7.4	Auto			
29-Nov-10	7.2	Auto			
30-Nov-10	7.7	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Nov-10	8.5	Auto			
02-Nov-10					
03-Oct-10					
04-Oct-10					
05-Oct-10					
06-Oct-10					
07-Oct-10					
08-Oct-10					
09-Oct-10					
10-Oct-10					
11-Oct-10					
12-Oct-10					
13-Oct-10					
14-Oct-10					
15-Oct-10					
16-Oct-10					
17-Oct-10					
18-Oct-10					
19-Oct-10					
20-Oct-10					
21-Oct-10					
22-Oct-10					
23-Oct-10					
24-Oct-10					
25-Oct-10					
26-Oct-10					
27-Oct-10					
28-Oct-10					
29-Oct-10					
30-Oct-10					

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Dec-10	8.0	Auto			
02-Dec-10	9.3	Auto			
03-Dec-10	9.3	Auto			
04-Dec-10	8.8	Auto			
05-Dec-10	9.6	Auto			
06-Dec-10	8.3	Auto			
07-Dec-10	10.6	Auto			
08-Dec-10	9.9	Auto			
09-Dec-10	11.3	Auto			
10-Dec-10	11.0	Auto			
11-Dec-10	10.4	Auto			
12-Dec-10	10.7	Auto			
13-Dec-10	12.9	Auto			
14-Dec-10					
15-Dec-10					
16-Dec-10					
17-Dec-10	10.1	Auto			
18-Dec-10	10.4	Auto			
19-Dec-10	9.6	Auto			
20-Dec-10	10.1	Auto			
21-Dec-10					
22-Dec-10					
23-Dec-10					
24-Dec-10					
25-Dec-10					
26-Dec-10					
27-Dec-10					
28-Dec-10					
29-Dec-10					
30-Dec-10					
31-Dec-10					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Dec-10					
02-Dec-10					
03-Dec-10					
04-Dec-10					
05-Dec-10					
06-Dec-10					
07-Dec-10					
08-Dec-10					
09-Dec-10					
10-Dec-10					
11-Dec-10					
12-Dec-10					
13-Dec-10					
14-Dec-10	9.7	Auto			
15-Dec-10	8.6	Auto			
16-Dec-10	9.2	Auto			
17-Dec-10					
18-Dec-10					
19-Dec-10					
20-Dec-10					
21-Dec-10	8.8	Auto			
22-Dec-10	8.8	Auto			
23-Dec-10	9.7	Auto			
24-Dec-10	9.9	Auto			
25-Dec-10	10.1	Auto			
26-Dec-10	10.2	Auto			
27-Dec-10	10.6	Auto			
28-Dec-10	10.4	Auto			
29-Dec-10	10.2	Auto			
30-Dec-10	11.0	Auto			
31-Dec-10	11.3	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jan-11					
02-Jan-11					
03-Jan-11					
04-Jan-11					
05-Jan-11					
06-Jan-11					
07-Jan-11					
08-Jan-11					
09-Jan-11					
10-Jan-11					
11-Jan-11					
12-Jan-11					
13-Jan-11					
14-Jan-11					
15-Jan-11					
16-Jan-11					
17-Jan-11					
18-Jan-11					
19-Jan-11					
20-Jan-11					
21-Jan-11					
22-Jan-11					
23-Jan-11					
24-Jan-11					
25-Jan-11					
26-Jan-11					
27-Jan-11					
28-Jan-11					
29-Jan-11					
30-Jan-11					
31-Jan-11					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jan-11	11.2	Auto			
02-Jan-11	11.2	Auto			
03-Jan-11	9.8	Auto			
04-Jan-11	10.4	Auto			
05-Jan-11	11.0	Auto			
06-Jan-11	11.2	Auto			
07-Jan-11	11.5	Auto			
08-Jan-11	11.6	Auto			
09-Jan-11	11.1	Auto			
10-Jan-11	10.8	Auto			
11-Jan-11	10.8	Auto			
12-Jan-11	12.2	Auto			
13-Jan-11	11.3	Auto			
14-Jan-11	11.6	Auto			
15-Jan-11	10.5	Auto			
16-Jan-11	10.3	Auto			
17-Jan-11	10.6	Auto			
18-Jan-11	11.0	Auto			
19-Jan-11	10.2	Auto			
20-Jan-11	10.9	Auto			
21-Jan-11	10.0	Auto			
22-Jan-11	10.5	Auto			
23-Jan-11	10.2	Auto			
24-Jan-11	10.4	Auto			
25-Jan-11	10.1	Auto			
26-Jan-11	10.0	Auto			
27-Jan-11	10.5	Auto			
28-Jan-11	9.9	Auto			
29-Jan-11	10.1	Auto			
30-Jan-11	9.5	Auto			
31-Jan-11	10.1	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Feb-11					
02-Feb-11					
03-Feb-11					
04-Feb-11					
05-Feb-11					
06-Feb-11					
07-Feb-11					
08-Feb-11					
09-Feb-11					
10-Feb-11					
11-Feb-11					
12-Feb-11					
13-Feb-11					
14-Feb-11					
15-Feb-11					
16-Feb-11					
17-Feb-11					
18-Feb-11					
19-Feb-11					
20-Feb-11					
21-Feb-11					
22-Feb-11					
23-Feb-11					
24-Feb-11					
25-Feb-11					
26-Feb-11					
27-Feb-11					
28-Feb-11					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Feb-11	10.2	Auto			
02-Feb-11	9.8	Auto			
03-Feb-11	10.3	Auto			
04-Feb-11	9.9	Auto			
05-Feb-11	9.6	Auto			
06-Feb-11	10.3	Auto			
07-Feb-11	11.6	Auto			
08-Feb-11	10.6	Auto			
09-Feb-11	9.3	Auto			
10-Feb-11	10.0	Auto			
11-Feb-11	10.3	Auto			
12-Feb-11	10.4	Auto			
13-Feb-11	11.3	Auto			
14-Feb-11	10.9	Auto			
15-Feb-11	10.4	Auto			
16-Feb-11	9.8	Auto			
17-Feb-11	10.5	Auto			
18-Feb-11	9.7	Auto			
19-Feb-11	10.9	Auto			
20-Feb-11	10.7	Auto			
21-Feb-11	11.3	Auto			
22-Feb-11	11.5	Auto			
23-Feb-11	10.7	Auto			
24-Feb-11	11.4	Auto			
25-Feb-11	11.4	Auto			
26-Feb-11	11.6	Auto			
27-Feb-11	11.8	Auto			
28-Feb-11	11.7	Auto			

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Compressor Plant 2 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Mar-11					
02-Mar-11					
03-Mar-11					
04-Mar-11	8.3	Auto			
05-Mar-11	9.1	Auto			
06-Mar-11	9.8	Auto			
07-Mar-11	9.6	Auto			
08-Mar-11	11.0	Auto			
09-Mar-11	10.9	Auto			
10-Mar-11	10.6	Auto			
11-Mar-11	14.0	Manual		No excursion - switched GreenLine unit.	
12-Mar-11	10.7	Auto		Manual test passed.	
13-Mar-11					
14-Mar-11					
15-Mar-11					
16-Mar-11					
17-Mar-11					
18-Mar-11					
19-Mar-11					
20-Mar-11					
21-Mar-11					
22-Mar-11					
23-Mar-11					
24-Mar-11					
25-Mar-11					
26-Mar-11					
27-Mar-11					
28-Mar-11					
29-Mar-11					
30-Mar-11	9.1	Auto			
31-Mar-11					

NO_x Limit is 25 PPM at 15% O₂

(1) Only one engine runs at a time at Compressor Plant 2

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Mar-11	11.5	Auto			
02-Mar-11	11.8	Auto			
03-Mar-11	11.5	Auto			
04-Mar-11					
05-Mar-11					
06-Mar-11					
07-Mar-11					
08-Mar-11					
09-Mar-11					
10-Mar-11					
11-Mar-11					
12-Mar-11					
13-Mar-11	9.1	Auto			
14-Mar-11	9.4	Auto			
15-Mar-11	9.8	Auto			
16-Mar-11	9.2	Auto			
17-Mar-11	9.9	Auto			
18-Mar-11	10.0	Auto			
19-Mar-11	9.6	Auto			
20-Mar-11	9.0	Auto			
21-Mar-11	10.2	Auto			
22-Mar-11	9.8	Auto			
23-Mar-11	10.8	Auto			
24-Mar-11	10.0	Auto			
25-Mar-11	8.7	Auto			
26-Mar-11	10.2	Auto			
27-Mar-11	9.9	Auto			
28-Mar-11	9.7	Auto			
29-Mar-11	8.4	Auto			
30-Mar-11					
31-Mar-11	8.0	Auto			

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Apr-10	down				
02-Apr-10	down				
03-Apr-10	down				
04-Apr-10	down				
05-Apr-10	down				
06-Apr-10	down				
07-Apr-10	down				
08-Apr-10	down				
09-Apr-10	down				
10-Apr-10	down				
11-Apr-10	down				
12-Apr-10	down				
13-Apr-10	down				
14-Apr-10	down				
15-Apr-10	down				
16-Apr-10	down				
17-Apr-10	down				
18-Apr-10	down				
19-Apr-10	down				
20-Apr-10	down				
21-Apr-10	down				
22-Apr-10	down				
23-Apr-10	down				
24-Apr-10	down				
25-Apr-10	down				
26-Apr-10	down				
27-Apr-10	down				
28-Apr-10	down				
29-Apr-10	down				
30-Apr-10	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Apr-10	down				
02-Apr-10	down				
03-Apr-10	down				
04-Apr-10	down				
05-Apr-10	down				
06-Apr-10	down				
07-Apr-10	down				
08-Apr-10	down				
09-Apr-10	down				
10-Apr-10	down				
11-Apr-10	down				
12-Apr-10	down				
13-Apr-10	down				
14-Apr-10	down				
15-Apr-10	down				
16-Apr-10	down				
17-Apr-10	down				
18-Apr-10	down				
19-Apr-10	down				
20-Apr-10	down				
21-Apr-10	down				
22-Apr-10	down				
23-Apr-10	down				
24-Apr-10	down				
25-Apr-10	down				
26-Apr-10	down				
27-Apr-10	down				
28-Apr-10	down				
29-Apr-10	down				
30-Apr-10	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-May-10	down				
02-May-10	down				
03-May-10	down				
04-May-10	down				
05-May-10	down				
06-May-10	down				
07-May-10	down				
08-May-10	down				
09-May-10	down				
10-May-10	down				
11-May-10	down				
12-May-10	down				
13-May-10	down				
14-May-10	down				
15-May-10	down				
16-May-10	down				
17-May-10	down				
18-May-10	down				
19-May-10	down				
20-May-10	down				
21-May-10	down				
22-May-10	down				
23-May-10	down				
24-May-10	down				
25-May-10	down				
26-May-10	down				
27-May-10	down				
28-May-10	down				
29-May-10	down				
30-May-10	down				
31-May-10	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-May-10	down				
02-May-10	down				
03-May-10	down				
04-May-10	down				
05-May-10	down				
06-May-10	down				
07-May-10	down				
08-May-10	down				
09-May-10	down				
10-May-10	down				
11-May-10	down				
12-May-10	down				
13-May-10	down				
14-May-10	down				
15-May-10	down				
16-May-10	down				
17-May-10	down				
18-May-10	down				
19-May-10	down				
20-May-10	down				
21-May-10	down				
22-May-10	down				
23-May-10	down				
24-May-10	down				
25-May-10	down				
26-May-10	down				
27-May-10	down				
28-May-10	down				
29-May-10	down				
30-May-10	down				
31-May-10	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1							Engine #2						
Test Date	Test Avg	Type	Duration	Cause	Corrective Action		Test Date	Test Avg	Type	Duration	Cause	Corrective Action	
01-Jun-10	down						01-Jun-10	down					
02-Jun-10	down						02-Jun-10	down					
03-Jun-10	down						03-Jun-10	down					
04-Jun-10	down						04-Jun-10	down					
05-Jun-10	down						05-Jun-10	down					
06-Jun-10	down						06-Jun-10	down					
07-Jun-10	down						07-Jun-10	down					
08-Jun-10	down						08-Jun-10	down					
09-Jun-10	down						09-Jun-10	down					
10-Jun-10	down						10-Jun-10	down					
11-Jun-10	down						11-Jun-10	down					
12-Jun-10	down						12-Jun-10	down					
13-Jun-10	down						13-Jun-10	down					
14-Jun-10	down						14-Jun-10	down					
15-Jun-10	down						15-Jun-10	down					
16-Jun-10	down						16-Jun-10	down					
17-Jun-10	down						17-Jun-10	down					
18-Jun-10	down						18-Jun-10	down					
19-Jun-10	down						19-Jun-10	down					
20-Jun-10	down						20-Jun-10	down					
21-Jun-10	down						21-Jun-10	down					
22-Jun-10	down						22-Jun-10	down					
23-Jun-10	9.5	Demand					23-Jun-10	6.3	Demand				
24-Jun-10	7.7	Demand	7hr 6min	Bad greenline	Demand test passed		24-Jun-10	5.4	Auto				
25-Jun-10	7.6	Auto					25-Jun-10	7.3	Auto				
26-Jun-10	7.2	Auto					26-Jun-10	8.1	Auto				
27-Jun-10	8.1	Auto					27-Jun-10	8.3	Auto				
28-Jun-10	7.2	Auto					28-Jun-10	7.9	Auto				
29-Jun-10	6.1	Auto					29-Jun-10	6.3	Auto				
30-Jun-10	8.9	Auto					30-Jun-10	6.8	Auto				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jul-10	8.8	Auto			
02-Jul-10	8.7	Auto			
03-Jul-10	5.8	Auto			
04-Jul-10	5.6	Auto			
05-Jul-10	5.3	Auto			
06-Jul-10	5.3	Auto			
07-Jul-10	5.6	Auto			
08-Jul-10	5.3	Auto			
09-Jul-10	5.1	Auto			
10-Jul-10	5.0	Auto			
11-Jul-10	5.0	Auto			
12-Jul-10	5.0	Auto			
13-Jul-10	4.6	Auto			
14-Jul-10	8.7	Auto			
15-Jul-10	down				
16-Jul-10	down				
17-Jul-10	down				
18-Jul-10	down				
19-Jul-10	8.8	Demand			
20-Jul-10	8.1	Demand			
21-Jul-10	8.2	Auto			
22-Jul-10	7.3	Auto			
23-Jul-10	7.6	Auto			
24-Jul-10	9.5	Auto			
25-Jul-10	8.1	Auto			
26-Jul-10	6.6	Auto			
27-Jul-10	8.9	Auto			
28-Jul-10	8.6	Auto			
29-Jul-10	7.6	Auto			
30-Jul-10	7.8	Auto			
31-Jul-10	6.5	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jul-10	7.8	Auto			
02-Jul-10	7.4	Auto			
03-Jul-10	5.1	Auto			
04-Jul-10	5.7	Auto			
05-Jul-10	6.1	Auto			
06-Jul-10	4.9	Auto			
07-Jul-10	5.7	Auto			
08-Jul-10	4.9	Auto			
09-Jul-10	4.6	Auto			
10-Jul-10	5.2	Auto			
11-Jul-10	4.6	Auto			
12-Jul-10	4.7	Auto			
13-Jul-10	5.5	Auto			
14-Jul-10	down				
15-Jul-10	down				
16-Jul-10	down				
17-Jul-10	down				
18-Jul-10	down				
19-Jul-10	24.0				
20-Jul-10	13.9				
21-Jul-10	17.2	Demand			
22-Jul-10	14.8	Auto			
23-Jul-10	15.0	Auto			
24-Jul-10	17.0	Auto			
25-Jul-10	16.8	Auto			
26-Jul-10	14.9	Auto			
27-Jul-10	16.9	Auto			
28-Jul-10	15.2	Auto			
29-Jul-10	14.7	Auto			
30-Jul-10	13.9	Auto			
31-Jul-10	12.1	Auto			

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Aug-10	6.4	Auto			
02-Aug-10	6.0	Auto			
03-Aug-10	16.9	Demand	10hr 50min	Bad greenline	Demand test passed
04-Aug-10	8.6	Auto			
05-Aug-10	3.9	Demand	2hr 42min	Bad greenline	Demand test passed
06-Aug-10	4.4	Demand	2hr 33min	Bad greenline	Demand test passed
07-Aug-10	1.6	Demand	3hr 6min	Bad greenline	Demand test passed
08-Aug-10	0.8	Demand	6hr 1min	Bad greenline	Demand test passed
09-Aug-10	17.1	Demand	7hr 33min	Bad greenline	Demand test passed, changed out greenline
10-Aug-10	15.8	Auto			
11-Aug-10	14.2	Auto			
12-Aug-10	16.3	Auto			
13-Aug-10	16.6	Auto			
14-Aug-10	15.0	Auto			
15-Aug-10	16.0	Auto			
16-Aug-10	15.4	Auto			
17-Aug-10	15.2	Auto			
18-Aug-10	13.9	Demand		Auto test failed to start	
19-Aug-10	12.2	Auto			
20-Aug-10	11.5	Auto			
21-Aug-10	10.9	Auto			
22-Aug-10	10.6	Auto			
23-Aug-10	11.8	Auto			
24-Aug-10	9.6	Auto			
25-Aug-10	6.7	Auto			
26-Aug-10	12.6	Demand	12hr 53min	IC#1 stack probe plugged	Demand test passed
27-Aug-10	13.7	Demand	7hr 53min	IC#1 stack probe plugged	Filter replaced, demand test passed
28-Aug-10	12.5	Auto			
29-Aug-10	12.5	Auto			
30-Aug-10	11.8	Auto			
31-Aug-10	12.0	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Aug-10	11.9	Auto			
02-Aug-10	14.0	Auto			
03-Aug-10	13.5	Auto			
04-Aug-10	7.8	Auto			
05-Aug-10	6.5	Auto			
06-Aug-10	6.8	Auto			
07-Aug-10	6.4	Auto			
08-Aug-10	6.0	Auto			
09-Aug-10	7.1	Auto			
10-Aug-10	7.0	Auto			
11-Aug-10	6.5	Auto			
12-Aug-10	6.5	Auto			
13-Aug-10	6.3	Auto			
14-Aug-10	5.0	Auto			
15-Aug-10	3.4	Auto			
16-Aug-10	2.5	Auto			
17-Aug-10	8.8	Demand	11hr 47min	Bad greenline	Replaced greenline, demand test passed
18-Aug-10	8.0	Auto			
19-Aug-10	7.9	Auto			
20-Aug-10	8.3	Auto			
21-Aug-10	9.5	Auto			
22-Aug-10	9.5	Auto			
23-Aug-10	9.0	Auto			
24-Aug-10	9.1	Auto			
25-Aug-10	8.4	Auto			
26-Aug-10	8.2	Auto			
27-Aug-10	8.7	Auto			
28-Aug-10	8.4	Auto			
29-Aug-10	9.2	Auto			
30-Aug-10	8.9	Auto			
31-Aug-10	8.7	Demand		Auto test failed to start	

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Sep-10	12.2	Auto			
02-Sep-10	12.3	Auto			
03-Sep-10	12.9	Auto			
04-Sep-10	12.4	Auto			
05-Sep-10	12.2	Auto			
06-Sep-10	12.2	Auto			
07-Sep-10	12.2	Auto			
08-Sep-10	12.2	Auto			
09-Sep-10	12.4	Auto			
10-Sep-10	12.5	Auto			
11-Sep-10	12.1	Auto			
12-Sep-10	12.6	Auto			
13-Sep-10	12.0	Auto			
14-Sep-10	11.0	Auto			
15-Sep-10	12.3	Auto			
16-Sep-10	12.6	Auto			
17-Sep-10	22.3	Demand			
18-Sep-10	13.9	Auto			
19-Sep-10	11.2	Auto			
20-Sep-10	10.8	Auto			
21-Sep-10	10.6	Auto			
22-Sep-10	10.9	Auto			
23-Sep-10	11.7	Auto			
24-Sep-10	11.8	Auto			
25-Sep-10	12.5	Auto			
26-Sep-10	12.3	Auto			
27-Sep-10	13.2	Auto			
28-Sep-10	11.3	Auto			
29-Sep-10	down				
30-Sep-10	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Sep-10	8.3	Auto			
02-Sep-10	8.5	Auto			
03-Sep-10	8.4	Auto			
04-Sep-10	8.1	Auto			
05-Sep-10	8.3	Auto			
06-Sep-10	8.3	Auto			
07-Sep-10	8.3	Auto			
08-Sep-10	8.2	Auto			
09-Sep-10	7.1	Auto			
10-Sep-10	6.0	Auto			
11-Sep-10	5.3	Auto			
12-Sep-10	1.3	Auto			
13-Sep-10	0.9	Auto			
14-Sep-10	8.7	Auto			
15-Sep-10	8.3	Auto			
16-Sep-10	8.5	Auto			
17-Sep-10	down				
18-Sep-10	15.3	Demand			
19-Sep-10	11.9	Auto			
20-Sep-10	10.7	Auto			
21-Sep-10	9.9	Auto			
22-Sep-10	9.0	Auto			
23-Sep-10	9.8	Auto			
24-Sep-10	8.5	Auto			
25-Sep-10	8.0	Auto			
26-Sep-10	2.5	Auto			
27-Sep-10	1.4	Auto			
28-Sep-10	1.0	Auto			
29-Sep-10	down				
30-Sep-10	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Oct-10	down				
02-Oct-10	down				
03-Oct-10	down				
04-Oct-10	down				
05-Oct-10	down				
06-Oct-10	down				
07-Oct-10	down				
08-Oct-10	down				
09-Oct-10	down				
10-Oct-10	down				
11-Oct-10	down				
12-Oct-10	down				
13-Oct-10	down				
14-Oct-10	down				
15-Oct-10	down				
16-Oct-10	down				
17-Oct-10	down				
18-Oct-10	down				
19-Oct-10	down				
20-Oct-10	down				
21-Oct-10	down				
22-Oct-10	down				
23-Oct-10	down				
24-Oct-10	down				
25-Oct-10	down				
26-Oct-10	down				
27-Oct-10	down				
28-Oct-10	down				
29-Oct-10	down				
30-Oct-10	down				
31-Oct-10	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Oct-10	down				
02-Oct-10	down				
03-Oct-10	down				
04-Oct-10	down				
05-Oct-10	down				
06-Oct-10	down				
07-Oct-10	down				
08-Oct-10	down				
09-Oct-10	down				
10-Oct-10	down				
11-Oct-10	down				
12-Oct-10	down				
13-Oct-10	down				
14-Oct-10	down				
15-Oct-10	down				
16-Oct-10	down				
17-Oct-10	down				
18-Oct-10	down				
19-Oct-10	8.4	Manual		No excursion - com failure between Greenline and Wonderware. Manual test passed.	
20-Oct-10	5.4	Demand		No excursion - mechanic worked on compressor. Demand test passed.	
21-Oct-10	down				
22-Oct-10	down				
23-Oct-10	down				
24-Oct-10	down				
25-Oct-10	down				
26-Oct-10	down				
27-Oct-10	down				
28-Oct-10	down				
29-Oct-10	down				
30-Oct-10	down				
31-Oct-10	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Nov-10	down				
02-Nov-10	down				
03-Nov-10	down				
04-Nov-10	down				
05-Nov-10	down				
06-Nov-10	down				
07-Nov-10	down				
08-Nov-10	down				
09-Nov-10	down				
10-Nov-10	down				
11-Nov-10	down				
12-Nov-10	down				
13-Nov-10	down				
14-Nov-10	down				
15-Nov-10	down				
16-Nov-10	down				
17-Nov-10	down				
18-Nov-10	down				
19-Nov-10	down				
20-Nov-10	down				
21-Nov-10	down				
22-Nov-10	down				
23-Nov-10	down				
24-Nov-10	down				
25-Nov-10	down				
26-Nov-10	down				
27-Nov-10	down				
28-Nov-10	down				
29-Nov-10	down				
30-Nov-10	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Nov-10	down				
02-Nov-10	down				
03-Nov-10	down				
04-Nov-10	down				
05-Nov-10	down				
06-Nov-10	down				
07-Nov-10	down				
08-Nov-10	15.0	Manual	9hr 58min	Bad greenline	Replaced greenline, manual test passed
09-Nov-10	15.3	Demand		Auto test failed to start	
10-Nov-10	down				
11-Nov-10	down				
12-Nov-10	down				
13-Nov-10	down				
14-Nov-10	down				
15-Nov-10	down				
16-Nov-10	down				
17-Nov-10	down				
18-Nov-10	21.3	Manual		Start-up after engine down for maintenance	
19-Nov-10	18.0	Demand		Auto test kicked out due to high O2	Demand test passed
20-Nov-10	18.0	Demand		Auto test kicked out due to high O2	Demand test passed
21-Nov-10	21.5	Demand		Auto test kicked out due to high O2	Demand test passed
22-Nov-10	21.0	Demand		Auto test kicked out due to high O2	Replaced greenline, demand test passed
23-Nov-10	20.1	Auto			
24-Nov-10	18.9	Auto			
25-Nov-10	down				
26-Nov-10	down				
27-Nov-10	down				
28-Nov-10	down				
29-Nov-10	down				
30-Nov-10	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Dec-10	down				
02-Dec-10	down				
03-Dec-10	down				
04-Dec-10	down				
05-Dec-10	down				
06-Dec-10	down				
07-Dec-10	down				
08-Dec-10	down				
09-Dec-10	down				
10-Dec-10	down				
11-Dec-10	down				
12-Dec-10	down				
13-Dec-10	down				
14-Dec-10	down				
15-Dec-10	down				
16-Dec-10	down				
17-Dec-10	down				
18-Dec-10	down				
19-Dec-10	down				
20-Dec-10	down				
21-Dec-10	down				
22-Dec-10	down				
23-Dec-10	down				
24-Dec-10	down				
25-Dec-10	down				
26-Dec-10	down				
27-Dec-10	down				
28-Dec-10	down				
29-Dec-10	down				
30-Dec-10	down				
31-Dec-10	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Dec-10	down				
02-Dec-10	down				
03-Dec-10	down				
04-Dec-10	down				
05-Dec-10	down				
06-Dec-10	down				
07-Dec-10	down				
08-Dec-10	down				
09-Dec-10	down				
10-Dec-10	down				
11-Dec-10	down				
12-Dec-10	down				
13-Dec-10	down				
14-Dec-10	down				
15-Dec-10	down				
16-Dec-10	down				
17-Dec-10	down				
18-Dec-10	down				
19-Dec-10	down				
20-Dec-10	down				
21-Dec-10	down				
22-Dec-10	down				
23-Dec-10	down				
24-Dec-10	down				
25-Dec-10	down				
26-Dec-10	down				
27-Dec-10	down				
28-Dec-10	down				
29-Dec-10	4.6	Manual		Quarterly Emission Test	
30-Dec-10	down				
31-Dec-10	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jan-11	down				
02-Jan-11	down				
03-Jan-11	down				
04-Jan-11	down				
05-Jan-11	down				
06-Jan-11	down				
07-Jan-11	down				
08-Jan-11	down				
09-Jan-11	down				
10-Jan-11	down				
11-Jan-11	down				
12-Jan-11	down				
13-Jan-11	down				
14-Jan-11	down				
15-Jan-11	down				
16-Jan-11	down				
17-Jan-11	down				
18-Jan-11	down				
19-Jan-11	down				
20-Jan-11	down				
21-Jan-11	down				
22-Jan-11	down				
23-Jan-11	down				
24-Jan-11	down				
25-Jan-11	down				
26-Jan-11	down				
27-Jan-11	down				
28-Jan-11	down				
29-Jan-11	down				
30-Jan-11	down				
31-Jan-11	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jan-11	down				
02-Jan-11	down				
03-Jan-11	down				
04-Jan-11	down				
05-Jan-11	down				
06-Jan-11	down				
07-Jan-11	down				
08-Jan-11	down				
09-Jan-11	down				
10-Jan-11	down				
11-Jan-11	down				
12-Jan-11	down				
13-Jan-11	down				
14-Jan-11	down				
15-Jan-11	down				
16-Jan-11	down				
17-Jan-11	down				
18-Jan-11	down				
19-Jan-11	down				
20-Jan-11	down				
21-Jan-11	down				
22-Jan-11	down				
23-Jan-11	down				
24-Jan-11	down				
25-Jan-11	down				
26-Jan-11	down				
27-Jan-11	down				
28-Jan-11	down				
29-Jan-11	down				
30-Jan-11	down				
31-Jan-11	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Feb-11	down				
02-Feb-11	down				
03-Feb-11	down				
04-Feb-11	down				
05-Feb-11	down				
06-Feb-11	down				
07-Feb-11	down				
08-Feb-11	down				
09-Feb-11	down				
10-Feb-11	down				
11-Feb-11	down				
12-Feb-11	down				
13-Feb-11	down				
14-Feb-11	down				
15-Feb-11	down				
16-Feb-11	down				
17-Feb-11	down				
18-Feb-11	down				
19-Feb-11	down				
20-Feb-11	down				
21-Feb-11	down				
22-Feb-11	down				
23-Feb-11	down				
24-Feb-11	down				
25-Feb-11	down				
26-Feb-11	down				
27-Feb-11	down				
28-Feb-11	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Feb-11	down				
02-Feb-11	down				
03-Feb-11	down				
04-Feb-11	down				
05-Feb-11	down				
06-Feb-11	down				
07-Feb-11	down				
08-Feb-11	down				
09-Feb-11	down				
10-Feb-11	down				
11-Feb-11	down				
12-Feb-11	down				
13-Feb-11	down				
14-Feb-11	down				
15-Feb-11	down				
16-Feb-11	down				
17-Feb-11	down				
18-Feb-11	down				
19-Feb-11	down				
20-Feb-11	down				
21-Feb-11	down				
22-Feb-11	down				
23-Feb-11	down				
24-Feb-11	down				
25-Feb-11	down				
26-Feb-11	down				
27-Feb-11	down				
28-Feb-11	down				

NO_x Limit is 25 PPM at 15% O₂

Water Flood 1 CAM Testing

Engine #1	Test Date	Test Avg	Type	Duration	Cause	Corrective Action
	01-Mar-11	down				
	02-Mar-11	down				
	03-Mar-11	down				
	04-Mar-11	down				
	05-Mar-11	down				
	06-Mar-11	down				
	07-Mar-11	down				
	08-Mar-11	down				
	09-Mar-11	down				
	10-Mar-11	down				
	11-Mar-11	down				
	12-Mar-11	down				
	13-Mar-11	down				
	14-Mar-11	down				
	15-Mar-11	down				
	16-Mar-11	down				
	17-Mar-11	down				
	18-Mar-11	down				
	19-Mar-11	down				
	20-Mar-11	down				
	21-Mar-11	down				
	22-Mar-11	down				
	23-Mar-11	down				
	24-Mar-11	down				
	25-Mar-11	down				
	26-Mar-11	down				
	27-Mar-11	down				
	28-Mar-11	down				
	29-Mar-11	down				
	30-Mar-11	down				
	31-Mar-11	down				

Engine #2	Test Date	Test Avg	Type	Duration	Cause	Corrective Action
	01-Mar-11	down				
	02-Mar-11	down				
	03-Mar-11	down				
	04-Mar-11	down				
	05-Mar-11	down				
	06-Mar-11	down				
	07-Mar-11	down				
	08-Mar-11	down				
	09-Mar-11	down				
	10-Mar-11	down				
	11-Mar-11	down				
	12-Mar-11	down				
	13-Mar-11	down				
	14-Mar-11	down				
	15-Mar-11	down				
	16-Mar-11	down				
	17-Mar-11	down				
	18-Mar-11	down				
	19-Mar-11	down				
	20-Mar-11	down				
	21-Mar-11	down				
	22-Mar-11	down				
	23-Mar-11	down				
	24-Mar-11	down				
	25-Mar-11	down				
	26-Mar-11	down				
	27-Mar-11	down				
	28-Mar-11	down				
	29-Mar-11	down				
	30-Mar-11	down				
	31-Mar-11	down				

NO_x Limit is 25 PPM at 15% O₂

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Central Site C-101 Engine I.D.: Waukesha 7042 GL												
Oil Filter No.	Plug No.	Oil Capacity _____ Gal.										
Engine Water Pump Belt No. A209617	Fan Belt No. 5VX1800	Auxiliary Water Pump A199868 Fan 5VX1800 [3]										
Year: 2010	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/28/2010			4/22/2010			7/23/2010		9/10/2010	10/27/2010	11/15/2010	
PM Number:			910507760	910513265			910524200		910532702		910540163	
Engine Oil Change			No	No			No		No		No	
Engine Filter Change			No	Yes			No		Yes		No	
Compressor Oil Change			No	No			No		No		No	
Compressor Filter Change			No	Yes			No		Yes		No	
Set Valves			No	Yes			No		Yes		No	
Change Ignition Timer			No	No			No		No		No	
Change Plugs			Yes	Yes			Yes		Yes		Yes	
Set Timing			Yes	Yes			Yes		Yes		Yes	
Change Air Filters			No	No			No		Yes		No	
Change Pre-Air Filters			Yes	Yes			Yes		Yes		Yes	
Change Belts – Fan / Water Pump			No	No			No		No		No	
Check Safety Shutdowns			No	No			No		No		No	
Change Converter			No	No			No		No		No	
Change O2 Sensor			No	No			No		No		No	
Inspect Fuel Control Valve			Yes	Yes			Yes		Yes		Yes	
Clean Carburetor			No	No			No		No		No	
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)				740			1110		550		1133	
Engine RPM			850	850			850		850		850	
<i>(Permit Limit: N/A)</i>												
Other Notes/Corrections:	engine assessed during Quarterly Emission Screening Analysis- all systems ok		1000HR service	2000hr service			1000hr service		2000hr service change all emission valves	changed starter	1000HR service	
total engine hours runtime >			137,835	138,575			139,885		140,235		141,368	
Operator Initials	DES		DES	DES			DES		DES	DES	DES	
Test Converter												
	Date											
	Result											
	Operator Initials											

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Central Site C-101		Engine I.D.: Waukesha 7042 GL											
Oil Filter No.		Oil											
Engine Water Pump Belt No. A209617		Fan Belt No. 5VX1800											
Year: 2011		Auxiliary Water Pump A199868											
Plug No.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/21/2011			3/11/2011									
PM Number:	910547452												
Engine Oil Change	No												
Engine Filter Change	Yes												
Compressor Oil Change	No												
Compressor Filter Change	Yes												
Set Valves	Yes												
Change Ignition Timer	No												
Change Plugs	Yes												
Set Timing	Yes												
Change Air Filters	Yes												
Change Pre-Air Filters	Yes												
Change Belts – Fan / Water Pump	No												
Check Safety Shutdowns	No												
Change Converter	No												
Change O2 Sensor	No												
Inspect Fuel Control Valve	Yes												
Clean Carburetor													
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)	754												
Engine RPM	850												
(<i>Permit Limit: N/A</i>)													
Other Notes/Corrections:	replaced #5 #4 tight power heads - 2000hr service												
	broken crankshaft started overhaul by Valley Power												
total engine hours runtime >		142,122											
Operator Initials	DES												
Test Converter	Date												
	Result												
	Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Central Site C-102											
Engine I.D.: Waukesha 7042 GL											
Oil Filter No.		Plug No. RTM 77N		Fan Belt No. 5VX1800		Oil Capacity _____ Gal.		Fan 5VX1800 [3]			
Engine Water Pump Belt No. A209617											
Year: 2010											
Date:											
PM Number:											
Engine Oil Change											
Engine Filter Change											
Compressor Oil Change											
Compressor Filter Change											
Set Valves											
Change Ignition Timer											
Change Plugs											
Set Timing											
Change Air Filters											
Change Pre-Air Filters											
Change Belts - Fan / Water Pump											
Check Safety Shutdowns											
Change Converter											
Change O2 Sensor											
Inspect Fuel Control Valve											
Clean Carburetor											
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)											
Engine RPM											
(Permit Limit: N/A)											
Other Notes/Corrections:											
Engine Overhauled 12/13/05											
110,729 Hrs.											
total engine hours runtime >											
Operator Initials											
Test Converter											
Date											
Result											
Operator Initials											

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Central Site C-102		Engine I.D.: Waukesha 7042 GL											
Oil Filter No.		Plug No. RTM 77N				Fan Belt No. 5VX1800				Oil Capacity _____ Gal.			
Engine Water Pump Belt No. A209617		Auxiliary Water Pump A199868											
Year: 2011		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:			2/9/2011	3/31/2011									
PM Number:			910553822	910570000									
Engine Oil Change			No	No									
Engine Filter Change			Yes	No									
Compressor Oil Change			No	No									
Compressor Filter Change			Yes	No									
Set Valves			No	No									
Change Ignition Timer			No	No									
Change Plugs			Yes	Yes									
Set Timing			Yes	Yes									
Change Air Filters			No	No									
Change Pre-Air Filters			Yes	Yes									
Change Belts – Fan / Water Pump			No	No									
Check Safety Shutdowns			No	No									
Change Converter			N/A	N/A									
Change O2 Sensor			No	No									
Inspect Fuel Control Valve			Yes	Yes									
Clean Carburetor			No	No									
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)			1,045	785									
Engine RPM			850	850									
(<i>Permit Limit: N/A</i>)													
Other Notes/Corrections:			2000 hr service	1000hr service									
Engine Overhauled 12/13/05													
110,729 Hrs.													
total engine hours runtime >			141,652	142,497									
Operator Initials			DES	DES									
Test Converter													
Date													
Result													
Operator Initials													

**APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC**

Engine Location: **Central Site C-103**

Engine I.D.: **Waukesha 7042GL**

Oil Filter No. _____

Plug No. **RTM77N .012**

Fan Belt No. **N/A**

Oil Capacity _____ Gal.

Engine Water Pump Belt No. **A209617**

Auxiliary Water Pump **A199868**

Fan **5VX1800 [3]**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/22/2010			4/12/2010		6/30/2010		8/4/2010		10/7/2010	11/16/2010	
PM Number:	910500868			910506880		910522881		910527461		910535900	910540161	
Engine Oil Change	No			Yes		No		No		No	No	
Engine Filter Change	No			Yes		No		Yes		No	Yes	
Compressor Oil Change	No			No		No		No		No	No	
Compressor Filter Change	No			Yes		No		Yes		No	Yes	
Set Valves	No			Yes		No		Yes		No	Yes	
Change Ignition Timer	No			No		No		No		No	No	
Change Plugs	Yes			Yes		Yes		Yes		Yes	Yes	
Set Timing	Yes			Yes		Yes		Yes		Yes	Yes	
Change Air Filters	No			Yes		No		No		No	No	
Change Pre-Air Filters	Yes			Yes		Yes		Yes		Yes	Yes	
Change Belts - Fan / Water Pump	No			Yes		No		No		No	No	
Check Safety Shutdowns	No			Yes		No		No		No	No	
Change Converter	N/A			N/A		N/A		N/A		N/A	N/A	
Change O2 Sensor	No			No		No		No		No	No	
Inspect Fuel Control Valve	No			Yes		Yes		Yes		Yes	Yes	
Clean Carburetor	No			Yes		No		No		No	No	
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)	1004			418		1584		617		1191	901	
Engine RPM	850			850		850		850		850		
(Permit Limit: _____)												
Other Notes/Corrections:	1000hr service			overhaul		1000hr service		2000hr service		1000HR service	2000hr service	
total engine hours runtime >	132,484			132,902		134,486		135,103		136,294	137,195	
Operator Initials	DES			VP		DES		DES		DES	DES	
Test Converter												
Date												
Result												
Operator Initials												

**APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC**

Engine Location: **Central Site C-103**

Engine I.D.: **Waukesha 7042GL**

Oil Filter No. _____

Plug No. **RTM77N .012**

Fan Belt No. **N/A**

Oil Capacity _____ Gal.

Engine Water Pump Belt No. **A209617**

Auxiliary Water Pump **A199868**

Fan **5VX1800 [3]**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Year: 2011												
Date:	1/4/2011	2/8/2011		4/7/2011								
PM Number:	910547451	910552404		910571822								
Engine Oil Change	No	No		No								
Engine Filter Change	No	Yes		No								
Compressor Oil Change	No	No		No								
Compressor Filter Change	No	Yes		No								
Set Valves	No	Yes		No								
Change Ignition Timer	No	No		No								
Change Plugs	Yes	Yes		Yes								
Set Timing	Yes	Yes		Yes								
Change Air Filters	No	No		No								
Change Pre-Air Filters	Yes	Yes		Yes								
Change Belts - Fan / Water Pump	No	No		No								
Check Safety Shutdowns	No	No		No								
Change Converter	N/A	N/A		N/A								
Change O2 Sensor	No	No		No								
Inspect Fuel Control Valve	Yes	Yes		Yes								
Clean Carburetor	No	No		No								
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)	1036	715		1,093								
Engine RPM	850	850		850								
(Permit Limit: _____)												
Other Notes/Corrections:	1000hr service	2000hr service		1000hr service								
total engine hours runtime >	138,231	138,946		140,039								
Operator Initials	DES	DES		DES								
Test Converter	Date	Result	Operator Initials									

**APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC**

Engine Location: **Compressor Plant No. 2, Engine 1**

Engine I.D.: **Waukesha 5790GU**

Plug No. **RM-77N**

Fan Belt No. **N/A**

Oil Capacity _____ Gal.

Engine Water Pump Belt No.

Auxiliary Water Pump **N/A**

Fan **N/A**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Year: 2010												
Date:		2/23/2010				6/21/2010		8/26/2010		10/19/2010		
PM Number:		910496346				910509751						
Engine Oil Change		No				No						
Engine Filter Change		Yes				Yes						
Compressor Oil Change		No				No						
Compressor Filter Change		Yes				Yes						
Set Valves		Yes				Yes						
Change Ignition Timer		No				No						
Change Plugs		Yes				Yes						
Set Timing		Yes				Yes						
Change Air Filters		No				Yes						
Change Pre-Air Filters		Yes				Yes						
Change Belts - Fan / Water Pump		No				No						
Check Safety Shutdowns		No				No						
Change Converter		No				No						
Change O2 Sensor		No				No						
Inspect Fuel Control Valve		Yes				Yes						
Clean Carburetor		No				No						
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)						1047						
Engine RPM		850				850						
(Permit Limit: _____)												
Other Notes/Corrections:								engine assessed during Quarterly Emission Screening Analysis- all systems ok		engine assessed during Quarterly Emission Screening Analysis- all systems ok		
total engine hours runtime >		18006				19053						
Operator Initials		DES				DES		DES		DES		
Test Converter												
Date												
Result												
Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: **Compressor Plant No. 2, Engine 1**

Engine I.D.: **Waukesha 5790GU**

Oil Filter No. **Plug No. RM-77N**

Fan Belt No. **N/A**

Oil Capacity **_____** Gal.

Engine Water Pump Belt No. _____

Auxiliary Water Pump **N/A**

Fan **N/A**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Year: 2011												
Date:	1/14/2011											
PM Number:	910534596											
Engine Oil Change	No											
Engine Filter Change	Yes											
Compressor Oil Change	Yes											
Compressor Filter Change	Yes											
Set Valves	Yes											
Change Ignition Timer	No											
Change Plugs	Yes											
Set Timing	Yes											
Change Air Filters	Yes											
Change Pre-Air Filters	Yes											
Change Belts -- Fan / Water Pump	No											
Check Safety Shutdowns	No											
Change Converter	No											
Change O2 Sensor	No											
Inspect Fuel Control Valve	Yes											
Clean Carburetor	No											
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)	2,550											
Engine RPM	850											
(Permit Limit: _____)												
Other Notes/Corrections:												
total engine hours runtime >	21603											
Operator Initials	DES											
Test Converter												
Date												
Result												
Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: **Compressor Plant No. 2, Engine 2**

Engine I.D.: **Waukesha 5790GU**

Plug No. **RM-77N**

Fan Belt No. **N/A**

Oil Capacity _____ Gal.

Engine Water Pump Belt No.

Auxiliary Water Pump **N/A**

Fan **N/A**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Year: 2010												
Date:		2/12/2010			5/20/2010		7/19/2010			10/13/2010		
PM Number:							910607295					
Engine Oil Change							No					
Engine Filter Change							Yes					
Compressor Oil Change							No					
Compressor Filter Change							Yes					
Set Valves							Yes					
Change Ignition Timer							No					
Change Plugs							Yes					
Set Timing							Yes					
Change Air Filters							No					
Change Pre-Air Filters							Yes					
Change Belts – Fan / Water Pump							No					
Check Safety Shutdowns							No					
Change Converter							No					
Change O2 Sensor							No					
Inspect Fuel Control Valve							Yes					
Clean Carburetor							No					
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)							2177					
Engine RPM							850					
(<i>Permit Limit:</i> _____)												
Other Notes/Corrections:		engine assessed during Quarterly Emission Screening Analysis- all systems ok			engine assessed during Quarterly Emission Screening Analysis- all systems ok		2000HR SERVICE			engine assessed during Quarterly Emission Screening Analysis- all systems ok		
total engine hours runtime >							16905					
Operator Initials		DES			DES		DES			DES		
Test Converter												
Date												
Result												
Operator Initials												

**APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC**

Engine Location: **Compressor Plant No. 2, Engine 2**

Engine I.D.: **Waukesha 5790GU**

Oil Filter No. _____

Plug No. **RM-77N**

Fan Belt No. **N/A**

Oil Capacity _____ Gal.

Engine Water Pump Belt No. _____

Auxiliary Water Pump **N/A**

Fan **N/A**

Year: 2011	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:			3/4/2011									
PM Number:			910543540									
Engine Oil Change			No									
Engine Filter Change			Yes									
Compressor Oil Change			Yes									
Compressor Filter Change			Yes									
Set Valves			Yes									
Change Ignition Timer			No									
Change Plugs			Yes									
Set Timing			Yes									
Change Air Filters			Yes									
Change Pre-Air Filters			Yes									
Change Belts - Fan / Water Pump			No									
Check Safety Shutdowns			No									
Change Converter			No									
Change O2 Sensor			No									
Inspect Fuel Control Valve			Yes									
Clean Carburetor												
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)			3,266									
Engine RPM			850									
(Permit Limit: _____)												
Other Notes/Corrections:												
total engine hours runtime >			20171									
Operator Initials			DES									
Test Converter												
Date												
Result												
Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: **GP2 Unit C-201** Engine I.D.: **Waukesha F3521GL**

Oil Filter No. _____ Oil Capacity _____ Gal.

Plug No. **RTM77N** Fan Belt No. **N/A**

Year: 2010	Auxiliary Water Pump					Fan						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/29/2010			4/15/2010				8/27/2010		10/22/2010		
PM Number:				910491743				910529752				
Engine Oil Change				No				Yes				
Engine Filter Change				Yes				Yes				
Compressor Oil Change				No				Yes				
Compressor Filter Change				Yes				Yes				
Set Valves				Yes				Yes				
Change Ignition Timer				No				Yes				
Change Plugs				Yes				Yes				
Set Timing				Yes				Yes				
Change Air Filters				No				Yes				
Change Pre-Air Filters				Yes				Yes				
Change Belts – Fan / Water Pump				Yes				Yes				
Check Safety Shutdowns				No								
Change Converter				No				No				
Change O2 Sensor				No				No				
Inspect Fuel Control Valve				Yes				Yes				
Clean Carburetor				No				Yes				
Run-Time hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)												
Engine RPM												
(<i>Permit Limit:</i> _____)												
Other Notes/Corrections:												
engine overhaul 8/27/2010				2000hr service				engine overhaul by Energy Link		engine assessed during Quarterly Emission Screening Analysis- all systems.ok		
total engine hours runtime >				17,554				19,100				
Operator Initials				DES						DES		
Test Converter												
Date												
Result												
Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: GP2 Unit C-201												
Engine I.D.: Waukesha F3521GL												
Oil Filter No. Plug No. RTM77N												
Oil Capacity _____ Gal.												
Fan Belt No. N/A												
Auxiliary Water Pump												
Year: 2011	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/4/2011			4/27/2011								
PM Number:	910528314			910551743								
Engine Oil Change	Yes			No								
Engine Filter Change	Yes			Yes								
Compressor Oil Change	No			No								
Compressor Filter Change	Yes			Yes								
Set Valves	Yes			Yes								
Change Ignition Timer	No			No								
Change Plugs	Yes			Yes								
Set Timing	Yes			Yes								
Change Air Filters	Yes			Yes								
Change Pre-Air Filters	Yes			Yes								
Change Belts - Fan / Water Pump	No			No								
Check Safety Shutdowns	Yes			Yes								
Change Converter	N/A			N/A								
Change O2 Sensor	No			No								
Inspect Fuel Control Valve	Yes			Yes								
Clean Carburetor	No			No								
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)	2,321			1,935								
Engine RPM	850			850								
(<i>Permit Limit:</i> _____)												
Other Notes/Corrections:												
engine overhaul 8/27/2010												
total engine hours runtime >	21427			23,362								
Operator Initials	DES			DES								
Test Converter												
Date												
Result												
Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: GP2 Unit C-202												
Oil Filter No.			Plug No.: RTM77N			Fan Belt No. N/A			Oil Capacity _____ Gal.			
Engine I.D.: Waukesha F3521GL												
Engine Water Pump Belt No.												
Year: 2010	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/29/2010			4/12/2010			7/23/2010			10/22/2010		
PM Number:				910494918			910507115					
Engine Oil Change				no			No					
Engine Filter Change				yes			Yes					
Compressor Oil Change				no			No					
Compressor Filter Change				yes			Yes					
Set Valves				yes			Yes					
Change Ignition Timer				no			Yes					
Change Plugs				yes			Yes					
Set Timing				yes			Yes					
Change Air Filters				no			Yes					
Change Pre-Air Filters				yes			Yes					
Change Belts - Fan / Water Pump				no			No					
Check Safety Shutdowns				no			No					
Change Converter				no			No					
Change O2 Sensor				no			No					
Inspect Fuel Control Valve				yes			Yes					
Clean Carburetor												
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)							1657					
Engine RPM				850			850					
<i>(Permit Limit: _____)</i>												
Other Notes/Corrections:	engine assessed during Quarterly Emission Screening Analysis- all systems ok											
	engine assessed during Quarterly Emission Screening Analysis- all systems ok											
	2000hr service											
total engine hours runtime >	15,670											
Operator Initials	DES											
Test Converter	DES											
Date	DES											
Result												
Operator Initials												

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: GP2 Unit C-202		Engine I.D.: Waukesha F3521GL											
Oil Filter No.		Oil Capacity _____ Gal.											
Engine Water Pump Belt No.		Fan Belt No. N/A											
Year: 2011		Auxiliary Water Pump N/A											
Date:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PM Number:	2/23/2011												
Engine Oil Change	910543344												
Engine Filter Change	No												
Compressor Oil Change	Yes												
Compressor Filter Change	No												
Set Valves	Yes												
Change Ignition Timer	No												
Change Plugs	Yes												
Set Timing	Yes												
Change Air Filters	No												
Change Pre-Air Filters	Yes												
Change Belts – Fan / Water Pump	No												
Check Safety Shutdowns	No												
Change Converter	No												
Change O2 Sensor	No												
Inspect Fuel Control Valve	Yes												
Clean Carburetor	No												
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)	1,847												
Engine RPM	850												
(<i>Permit Limit:</i> _____)													
Other Notes/Corrections:													
total engine hours runtime >	19,174												
Operator Initials	DES												
Test Converter													
Date													
Result													
Operator Initials													

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Waterflood 1-1												
Oil Filter No.		Plug No. D-14N		Engine I.D.: White Superior 8G825		Oil Capacity _____ Gal.						
Engine Water Pump Belt No. B-66 [4]				Fan Belt No. N/A				Fan N/A				
Year: 2010	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/16/2010				6/24/2010		8/3/2010		10/1/2010		
PM Number:		910503903						910526776				
Engine Oil Change		No						No				
Engine Filter Change		Yes						Yes				
Compressor Oil Change		N/A						N/A				
Compressor Filter Change		N/A						N/A				
Set Valves		Yes						Yes				
Change Ignition Timer		N/A						N/A				
Change Plugs		Yes						Yes				
Set Timing		Yes						Yes				
Change Air Filters		No						No				
Change Pre-Air Filters		No						No				
Change Belts - Fan / Water Pump		Yes						No				
Check Safety Shutdowns		No						No				
Change Converter		No						No				
Change O2 Sensor		No						No				
Inspect Fuel Control Valve		Yes						Yes				
Clean Carburetor		No						No				
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)								2047				
Engine RPM								740				
(<i>Permit Limit:</i> _____)												
Other Notes/Corrections:						engine assessed during Quarterly Emission Screening Analysis - all systems ok				Engine is being overhauled offsite		
total engine hours runtime >		59,748				DES		61,795		63,089		
Operator Initials		DES				DES		DES		VSI		
Test Converter	Date											
	Result											
	Operator Initials											

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Waterflood 1-1	Engine I.D.: White Superior 8G825	Oil Capacity _____ Gal.
Oil Filter No.	Plug No. D-14N	Fan Belt No. N/A
Engine Water Pump Belt No. B-66 [4]	Auxiliary Water Pump N/A	Fan N/A
Year: 2011	JAN	FEB
Date:	MAR	APR
PM Number:	MAY	JUN
Engine Oil Change	JUL	AUG
Engine Filter Change	SEPT	OCT
Compressor Oil Change	NOV	DEC
Compressor Filter Change		
Set Valves		
Change Ignition Timer		
Change Plugs		
Set Timing		
Change Air Filters		
Change Pre-Air Filters		
Change Belts – Fan / Water Pump		
Check Safety Shutdowns		
Change Converter		
Change O2 Sensor		
Inspect Fuel Control Valve		
Clean Carburetor		
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)		
Engine RPM		
(Permit Limit: _____)		
Other Notes/Corrections:	Engine is being overhauled offsite	Engine is being overhauled offsite
	Engine is being overhauled offsite	Engine is being overhauled offsite
total engine hours runtime >		
Operator Initials		
Test Converter	Date	Result
	Operator Initials	

APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC

Engine Location: Waterflood 1-2		Engine I.D.: White Superior 8G825													
Oil Filter No.		Plug No. D-14N		Fan Belt No. N/A						Oil Capacity _____ Gal.					
Engine Water Pump Belt No. B-66 [4]		Auxiliary Water Pump N/A													
Year: 2010	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC			
Date:		2/16/2010				6/24/2010		8/3/2010		10/18/2010					
PM Number:		910500864						910526781		910536684					
Engine Oil Change		No						No		No					
Engine Filter Change		Yes						Yes		Yes					
Compressor Oil Change		N/A						N/A		N/A					
Compressor Filter Change		N/A						N/A		N/A					
Set Valves		Yes						Yes		Yes					
Change Ignition Timer		No						No		No					
Change Plugs		Yes						Yes		Yes					
Set Timing		Yes						Yes		Yes					
Change Air Filters		No						Yes		No					
Change Pre-Air Filters		No						Yes		No					
Change Belts – Fan / Water Pump		No						Yes		No					
Check Safety Shutdowns		No						Yes		No					
Change Converter		No						No		No					
Change O2 Sensor		No						No		No					
Inspect Fuel Control Valve		Yes						Yes		Yes					
Clean Carburetor		Yes						No		No					
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)								2039		1276					
Engine RPM								771		770					
(<i>Permit Limit:</i> _____)															
Other Notes/Corrections:															
total engine hours runtime >		60,809						62,848		64,124					
Operator Initials		DES				DES		DES		DES					
Test Converter															
Date															
Result															
Operator Initials															

**APPENDIX D
I.C. ENGINE MAINTENANCE LOG
AERA ENERGY LLC**

Engine Location: Waterflood 1-2		Engine I.D.: White Superior 8G825	Oil Capacity _____ Gal.											
Oil Filter No.		Plug No.D-14N	Fan Belt No. N/A											
Engine Water Pump Belt No. B-66 [4]		Auxiliary Water Pump N/A	Fan N/A											
Year: 2011		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	
Date:														
PM Number:														
Engine Oil Change														
Engine Filter Change														
Compressor Oil Change														
Compressor Filter Change														
Set Valves														
Change Ignition Timer														
Change Plugs														
Set Timing														
Change Air Filters														
Change Pre-Air Filters														
Change Belts - Fan / Water Pump														
Check Safety Shutdowns														
Change Converter														
Change O2 Sensor														
Inspect Fuel Control Valve														
Clean Carburetor														
Run-Time Hours Since Last Service (<i>Permit Limit: After 2000 hours</i>)														
Engine RPM														
(<i>Permit Limit: _____</i>)														
Other Notes/Corrections:														
		Engine is being overhauled offsite	Engine is being overhauled offsite	Engine is being overhauled offsite										
total engine hours runtime >														
Operator Initials														
Test Converter														
		Date	Result	Operator Initials										

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Visible Smoke Checks
Rule 50 Requirements

Central Compressor Site

Date:	C-101	C-102	C-103	Glycol Heater
04/30/10	No Smoke	No Smoke	No Smoke	No Smoke
05/21/10	No Smoke	No Smoke	No Smoke	No Smoke
07/01/10	No Smoke	No Smoke	No Smoke	No Smoke
07/22/10	No Smoke	No Smoke	No Smoke	No Smoke
08/25/10	No Smoke	No Smoke	No Smoke	No Smoke
09/24/10	No Smoke	No Smoke	No Smoke	No Smoke
10/25/10	No Smoke	No Smoke	No Smoke	No Smoke
12/01/10	No Smoke	No Smoke	No Smoke	No Smoke
12/10/10	No Smoke	No Smoke	No Smoke	No Smoke
01/25/11	No Smoke	No Smoke	No Smoke	No Smoke
03/01/11	No Smoke	No Smoke	No Smoke	No Smoke
03/28/11	No Smoke	No Smoke	No Smoke	No Smoke

Gas Plant 7

Date	High Pressure Flare	Low Pressure Flare	Heater 601A/602*
04/26/10	No Smoke	No Smoke	No Smoke
05/23/10	No Smoke	No Smoke	No Smoke
06/29/10	No Smoke	No Smoke	No Smoke
07/26/10	No Smoke	No Smoke	No Smoke
08/25/10	No Smoke	No Smoke	No Smoke
09/29/10	No Smoke	No Smoke	No Smoke
10/28/10	No Smoke	No Smoke	No Smoke
11/27/10	No Smoke	No Smoke	No Smoke
12/22/10	No Smoke	No Smoke	No Smoke
01/26/11	No Smoke	No Smoke	No Smoke
02/28/11	No Smoke	No Smoke	No Smoke
03/24/11	No Smoke	No Smoke	No Smoke

*Only one heater operates at a time.

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Visible Smoke Checks
Rule 50 Requirements

Compressor Plant 2

Date	CP2-1	CP2-2	Taylor Flare
04/28/10	No Smoke	No Smoke	No Smoke
05/25/10	No Smoke	No Smoke	No Smoke
06/17/10	No Smoke	No Smoke	No Smoke
07/22/10	No Smoke	No Smoke	No Smoke
08/23/10	No Smoke	No Smoke	No Smoke
09/20/10	No Smoke	No Smoke	No Smoke
10/26/10	No Smoke	No Smoke	No Smoke
11/24/10	No Smoke	No Smoke	No Smoke
12/22/10	No Smoke	No Smoke	No Smoke
01/28/11	No Smoke	No Smoke	No Smoke
02/21/11	No Smoke	No Smoke	No Smoke
03/17/11	No Smoke	No Smoke	No Smoke

Gas Plant 2

Date	C-201	C-202
04/29/10	No Smoke	No Smoke
05/25/10	No Smoke	No Smoke
06/18/10	No Smoke	No Smoke
07/21/10	No Smoke	No Smoke
08/18/10	No Smoke	No Smoke
09/17/10	No Smoke	No Smoke
10/29/10	No Smoke	No Smoke
11/24/10	No Smoke	No Smoke
12/22/10	No Smoke	No Smoke
01/28/11	No Smoke	No Smoke
02/18/11	No Smoke	No Smoke
03/28/11	No Smoke	No Smoke

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Visible Smoke Checks
Rule 50 Requirements

Water Flood 1

Date	WF1-1	WF1-2
04/13/10	No Smoke	No Smoke
05/14/10	No Smoke	No Smoke
06/16/10	No Smoke	No Smoke
07/16/10	No Smoke	No Smoke
08/18/10	No Smoke	No Smoke
09/22/10	No Smoke	No Smoke
10/19/10	No Smoke	No Smoke
11/17/10	No Smoke	No Smoke
12/16/10	No Smoke	No Smoke
01/24/11	No Smoke	No Smoke
02/22/11	No Smoke	No Smoke
03/23/11	No Smoke	No Smoke

**VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
AERA ENERGY LLC
Ventura Avenue Field
Permit to Operate No. 0041
NG Flare Throughput-Consumption**

Gas Plant No. 7

Month	1050 – MMBTU per Hour Lloyd Flare MCF	205 - MMBTU per Hour Lloyd Flare MCF	Month Total MCF	12-Month Total Flare Volume MCF*
April 2010	902	376	1,278	41,631
May 2010	1,263	441	1,704	42,732
June 2010	2,486	478	2,964	45,220
July 2010	1,383	407	1,790	46,474
August 2010	770	403	1,173	46,865
September 2010	1,585	317	1,902	48,169
October 2010	4,157	1,090	5,247	23,605
November 2010	1,035	410	1,445	23,101
December 2010	4,595	598	5,193	27,121
January 2011	1,552	620	2,172	27,681
February 2011	956	847	1,802	27,972
March 2011	1,019	502	1,521	28,191

*Limit: 86.5 MMCF/Yr Flaring not due to breakdown conditions is included in volume subject to the permit limit.

Taylor Lease - NG Flare

Month & Year	Kaldair Low-Pressure Flare MCF	12-Month Total Flare Volume MCF*
April 2010	378	3,918
May 2010	0	3,918
June 2010	0	3,086
July 2010	0	3,086
August 2010	0	3,086
September 2010	0	3,086
October 2010	1,271	4,357
November 2010	1,099	5,456
December 2010	762	5,469
January 2011	1,652	7,058
February 2011	0	5,740
March 2011	58	5,220

*Limit: 104 MMCF/Yr
Flaring not due to breakdown conditions is included in volume subject to the permit limit.

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field
Solids Injection Tanks Throughput-Consumption

Central Solids Tank, VWSI-T403

Reporting Period		Liquid Throughput in Barrels	
		CWTP Solids Tank Bbl / Month	12-Month Total Solids Tank Bbl*
Month & Year			
2010	April	40,367	491,554
2010	May	42,255	482,155
2010	June	39,799	475,412
2010	July	39,921	463,124
2010	August	43,443	466,039
2010	September	41,518	471,456
2010	October	21,653	455,044
2010	November	30,728	446,386
2010	December	23,138	431,217
2011	January	29,773	419,378
2011	February	25,427	417,981
2011	March	38,751	416,773

*Limit: 1,277.5MBBL/Yr.

Lloyd Solids Tank, TWSI-T001

Month & Year		Lloyd Lease Solids Tank Bbl / Month	12-Month Total Solids Tank Bbl*
		2010	April
2010	May	68,222	698,135
2010	June	63,883	714,756
2010	July	62,045	726,171
2010	August	65,522	744,272
2010	September	58,763	751,104
2010	October	64,026	757,462
2010	November	50,065	755,670
2010	December	60,184	757,405
2011	January	66,042	754,663
2011	February	58,762	753,807
2011	March	41,940	724,807

*Limit: 1,825 MBBL/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
 Permit to Operate No. 0041
 Ventura Avenue Field
2-500 BBL Lloyd Waste Fluids/Solids Storage Tanks
Throughput-Consumption

Month & Year		BBL / Month	12-Month Total BBL*
2010	April	65,353	685,000
2010	May	68,222	698,135
2010	June	63,883	714,756
2010	July	62,045	726,171
2010	August	65,522	744,272
2010	September	58,763	751,104
2010	October	64,026	757,462
2010	November	50,065	755,670
2010	December	60,184	757,405
2011	January	66,042	754,663
2011	February	58,762	753,192
2011	March	41,940	724,807

*Limit: 1,825 MBBL/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field - East
Santa Maria COST TOLD-T003
Storage Tank Throughput-Consumption

Reporting Period	Liquid Throughput in Barrels	
Month & Year	Bbl / Month	Bbl / 12 Months*
April 2010	0	0
May 2010	0	0
June 2010	0	0
July 2010	0	0
August 2010	0	0
September 2010	0	0
October 2010	0	0
November 2010	0	0
December 2010	0	0
January 2011	0	0
February 2011	0	0
March 2011	0	0

THIS TANK WAS REMOVED BUT REMAINED ON THE PERMITTED EQUIPMENT LIST FOR THIS CERTIFICATION PERIOD

*Limit 900 MBBL/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – Central
Taylor COST Stock Tank (VORD-T026A)
Storage Tank Throughput-Consumption

Reporting Period		Liquid Throughput in Barrels	
Month & Year		Bbl / Month	12-Month Total Bbl*
2010	April	0	422,011
2010	May	0	364,245
2010	June	0	309,566
2010	July	0	249,422
2010	August	187,542	373,418
2010	September	178,942	492,028
2010	October	194,534	624,845
2010	November	199,362	760,380
2010	December	202,698	963,078
2011	January	197,345	1,160,423
2011	February	175,443	1,335,866
2011	March	202,299	1,538,165

*Limit 1,277.5 MBBL/Yr. Note that this limit was exceeded in February and March of 2011, resulting in a deviation. A permit modification was submitted in March 2011 which will change this tank to a LACT with no associated throughput limit. A temporary Permit to Operate for this modification was granted by the District on April 7, 2011.

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field - Central
Taylor COST (VOTD-T201)
Storage Tank Throughput-Consumption

Reporting Period		Liquid Throughput in Barrels	
Month & Year		Taylor COST Bbl	12-Month Total Taylor COST Bbl*
2010	April	178767	2,256,473
2010	May	187293	2,250,875
2010	June	178585	2,237,592
2010	July	185244	2,238,345
2010	August	0	2,042,221
2010	September	0	1,854,549
2010	October	0	1,663,867
2010	November	0	1,471,880
2010	December	0	1,279,476
2011	January	0	1,087,521
2011	February	0	916,977
2011	March	0	729,889

*Limit: 4,197.5 MBBL/Yr. Note that in August 2010, Aera began using Tank VORD-T026A instead of Tank VOTD-T201 as the primary shipping tank for Taylor crude oil production. A permit modification was submitted in March 2011 which will change this tank to a LACT with no associated throughput limit.

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – East
Lloyd Corporation Lease – Central Compressor Site
Internal Combustion Engines - NG Fuel Consumption

Reporting Period Month & Year	1108-BHP Waukesha NG Engine L7042GL C-101		1108-BHP Waukesha NG Engine L7042GL C-102		1108-BHP Waukesha NG Engine L7042GL C-103		All Three Engines Cumulative Totals MCF
	Meter No. 101 MCF	12-Month Total MCF	Meter No. 102 MCF	12-Month Total MCF	Meter No. 103 MCF	12-Month Total MCF	
April 2010	2,294	33,788	3,635	42,878	2,534	28,142	104,808
May 2010	2,502	35,395	2,412	40,810	3,598	27,808	104,013
June 2010	1,680	34,072	2,934	40,276	3,631	28,993	103,341
July 2010	2,842	32,431	2,534	38,519	3,323	32,316	103,266
August 2010	2,841	31,119	2,311	36,870	3,535	34,991	102,980
September 2010	1,858	30,004	3,221	37,978	3,430	34,862	102,844
October 2010	3,521	30,467	371	34,972	3,843	36,093	101,532
November 2010	889	28,535	3,367	35,830	4,307	37,114	101,479
December 2010	3,115	30,095	1,325	33,563	3,756	37,125	100,783
January 2011	1,847	30,667	3,373	33,211	3,841	37,236	101,114
February 2011	2,862	30,652	1,924	31,537	3,557	39,355	101,544
March 2011	1,222	27,473	3,579	30,986	3,576	42,931	101,390

Limit: 227.4 MMCF/yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – East
Lloyd Lease – Gas Plant No. 2
Internal Combustion Engines - NG Fuel Consumption

Month & Year	201 MCF	12-Month Total MCF	202 MCF	12-Month Total MCF	Combined 12-Month Total MCF*
April 2010	1,356	17,210	1,570	19,214	36,424
May 2010	2,843	19,732	73	16,641	36,373
June 2010	2,619	20,297	264	16,163	36,460
July 2010	732	20,305	2,170	15,751	36,056
August 2010	388	19,406	1,560	15,353	34,759
September 2010	744	18,836	1,732	15,596	34,432
October 2010	2,711	19,948	138	14,544	34,492
November 2010	2,642	21,319	182	13,249	34,568
December 2010	2,315	23,158	639	11,400	34,558
January 2011	2,610	24,352	356	9,929	34,281
February 2011	1,917	23,473	790	10,571	34,044
March 2011	1,506	22,383	1,369	10,843	33,226

*Limit: 100.2 MMCF/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
 Permit to Operate No. 0041
 Ventura Avenue Field – Central
 Taylor Lease – Compressor Plant No. 2
 Internal Combustion Engines - NG Fuel Consumption

Reporting Period	748-BHP Rich-Burn Waukesha NG Engine L579OGU CP2-1		748-BHP Rich-Burn Waukesha NG Engine L579OGU CP2-2		Both Engines
	Meter No. 64 MCF	12-Month Total MCF	Meter No. 68 MCF	12-Month Total MCF	Cumulative Totals MCF*
April 2010	2,785	24,784	1,664	13,470	38,254
May 2010	2,395	24,862	2,716	15,480	40,342
June 2010	2,720	27,030	1,874	14,919	41,949
July 2010	3,698	27,763	127	14,439	42,202
August 2010	1,063	25,822	2,005	16,444	42,266
September 2010	2,296	28,061	736	14,239	42,300
October 2010	35	25,490	2,910	16,610	42,100
November 2010	2,835	27,088	46	14,788	41,876
December 2010	1,645	26,577	1,487	15,334	41,911
January 2011	4	23,468	3,141	18,469	41,937
February 2011	3	21,925	2,725	20,157	42,082
March 2011	1,032	20,511	2,123	21,554	42,065

*Limit: 48.0 MMCF/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – Central
Taylor Lease – Waterflood Plant No.1
Internal Combustion Engines - NG Fuel Consumption

Reporting Period	625-BHP Rich-Burn White NG Engine 8G825 WF1-1		625-BHP Rich-Burn White NG Engine 8G825 WF1-2		Both Engines
	Meter No. 115 MCF	12-Month Total MCF	Meter No. 116 MCF	12-Month Total MCF	Cumulative Totals MCF*
April 2010	0	25,687	0	27,167	52,854
May 2010	0	24,281	0	24,971	49,252
June 2010	664	23,389	634	23,934	47,323
July 2010	2,337	23,304	2,444	23,740	47,044
August 2010	2,453	23,072	2,932	23,694	46,766
September 2010	2,383	22,578	2,544	23,477	46,055
October 2010	0	19,576	32	20,512	40,088
November 2010	0	17,792	743	19,319	37,111
December 2010	0	15,478	19	17,106	32,584
January 2011	0	12,528	0	14,145	26,673
February 2011	4	9,949	0	11,505	21,454
March 2011	0	7,841	0	9,348	17,189

*Limit: 104.2 MMCF/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – East
Lloyd Lease - Gas Plant No. 7
Process Heaters – NG Fuel Consumption

Reporting Period	14.33-MMBTU/Hour BYIS Heater No. 601A		14.25-MMBTU/Hour Wheco Heater No. 602 SN: WJ-81-009	
	Meter No. 761 MCF	12-Month Total MCF*	Meter No. 762 MCF	12-Month Total MCF*
April 2010	4,058	43,282	0	1,687
May 2010	3,832	43,167	126	1,813
June 2010	3,485	42,916	82	1,895
July 2010	3,543	42,703	29	1,924
August 2010	3,629	42,633	0	1,924
September 2010	3,198	42,285	307	2,231
October 2010	3,231	42,399	418	2,436
November 2010	3,507	42,558	0	2,248
December 2010	3,729	42,998	0	1,804
January 2011	3,528	42,774	0	1,802
February 2011	3,222	42,881	0	1,072
March 2011	2,975	41,937	76	1,038

*Limits:

120.7 MMCF/Yr for Heater 601A
78.9 MMCF/Yr for Heater 602

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field - East
Lloyd Lease Crude Oil Loading Facility
Storage Tank Throughput-Consumption

Reporting Period		Liquid Throughput in Barrels	
Month & Year		Lloyd Lease Crude Oil Loading BBL	12-Month Total Crude Oil Loading BBL*
2010	April	0	0
2010	May	0	0
2010	June	0	0
2010	July	0	0
2010	August	0	0
2010	September	0	0
2010	October	0	0
2010	November	0	0
2010	December	0	0
2011	January	0	0
2011	February	0	0
2011	March	0	0

*Limit: 900 MBBL/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – East
Gas Plant 6
LPG Loading Facility
Throughput-Consumption

Month & Year	LPG Throughput Gallons	12-Month Total LPG Throughput Gallons*
April 2010	1,323,821	1,505,8554
May 2010	1,256,780	1,507,7150
June 2010	1,365,683	1,510,5294
July 2010	1,306,168	1,497,5090
August 2010	1,412,478	1,508,8845
September 2010	1,291,233	1,504,4847
October 2010	1,249,248	1,511,6448
November 2010	1,278,715	1,523,7196
December 2010	1,219,494	1,523,8599
January 2011	1,167,702	1,527,8369
February 2011	1,066,101	1,527,8122
March 2011	1,250,334	1,518,7757

*Limit: 40 MMGal/Yr

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field
Filter Aid Throughput-Consumption

Water Flood Plant 4

*Limit: 783 TPY

Reporting Period	Filter Aid Throughput	
Month & Year	WFP #4 Filter Aid Tons per Month	12-Month Total Filter Aid Tons per Year*
April 2010	52	642
May 2010	36	630
June 2010	48	618
July 2010	51	610
August 2010	47	599
September 2010	48	598
October 2010	49	597
November 2010	59	595
December 2010	48	596
January 2011	47	583
February 2011	49	584
March 2011	49	583

Hartman Water Flood Plant

*Limit: 867 TPY

Reporting Period	Filter Aid Throughput	
Month & Year	Hartman Filter Aid Tons per Month	12-Month Total Filter Aid Tons per Year*
April 2010	15	293
May 2010	29	309
June 2010	27	307
July 2010	29	322
August 2010	14	307
September 2010	28	308
October 2010	28	309
November 2010	29	310
December 2010	28	310
January 2011	28	312
February 2011	29	313
March 2011	29	313

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field – Central
Taylor Lease
Mixing Pit Use
Hours of Operation

Reporting Period	Monthly Operation	
Month & Year	Total Hours of Operation	12-Month Total*
April 2010	65.0	572.5
May 2010	57.0	579.0
June 2010	49.0	594.0
July 2010	40.0	590.0
August 2010	55.5	625.5
September 2010	55.5	619.0
October 2010	83.5	646.5
November 2010	50.0	620.0
December 2010	52.0	626.5
January 2011	64.0	660.5
February 2011	46.5	671.0
March 2011	72.5	690.5

*Limit: 12 Hrs/day and 1440 Hrs/year

Ventura County Air Pollution Control District
AERA ENERGY LLC
Permit to Operate No. 0041
Ventura Avenue Field - East
Lloyd Lease Emergency Bowl

Reporting Period	Days of Operation	
Month & Year	Emergency Bowl Days	12-Month Total Days/year*
April 2010	0	0
May 2010	0	0
June 2010	0	0
July 2010	0	0
August 2010	0	0
September 2010	0	0
October 2010	0	0
November 2010	0	0
December 2010	0	0
January 2011	0	0
February 2011	0	0
March 2011	0	0

*Limit: 20 Days/year

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Lloyd Corporation Lease, Plant 2
 IC Engine C-202

Project 010-6921B
 May 11, 2010

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	44	26	0.38	0.0933	98.71	45 ppm @ 15% O ₂
	34	20	0.30	0.0740	78.29	
	34	20	0.30	0.0738	78.08	
<i>Mean</i>	37	22	0.33	0.0804	85.03	
CO	499	291	2.66	0.6485	686.11	4500 ppm @ 15% O ₂
	479	290	2.65	0.6442	681.56	
	506	301	2.76	0.6702	709.07	
<i>Mean</i>	495	294	2.69	0.6543	692.25	
ROC C ₃ -C ₆₊ as C ₁	129.5	75.8	0.395	0.0962	101.79	750 ppm @ 15% O ₂
	132.1	79.8	0.417	0.1015	107.39	
	109.4	65.1	0.341	0.0827	87.50	
<i>Mean</i>	123.7	73.6	0.384	0.0935	98.89	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

**Aera Energy LLC
Lloyd Corporation Lease, Plant 2
IC Engine C-201**

**Project 010-6921B
May 12, 2010**

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	67	38	0.56	0.1400	148.12	45 ppm @ 15% O₂
	68	39	0.56	0.1424	150.66	
	61	35	0.52	0.1294	136.91	
<i>Mean</i>	65	37	0.55	0.1373	145.23	
CO	548	314	2.79	0.6990	739.54	4500 ppm @ 15% O₂
	546	314	2.73	0.6978	738.27	
	543	316	2.82	0.7022	742.93	
<i>Mean</i>	546	315	2.78	0.6997	740.25	
ROC C₃-C₆₊ as C₁	111.7	64.0	0.324	0.0814	86.13	750 ppm @ 15% O₂
	114.8	66.0	0.328	0.0838	88.67	
	116.1	67.6	0.345	0.0858	90.77	
<i>Mean</i>	114.2	65.9	0.332	0.0837	88.52	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

**Aera Energy LLC
Gas Plant 7
BYIS Heater No. 601-A**

**Project 010-6920
May 28, 2010
Permit No. 0041**

Pollutant	%	ppm	ppm @ 3% O ₂	lb/hr	lb/MMCF	Permit Limits
NOx		10	10	0.06	12.35	
		10	10	0.07	12.38	
		10	10	0.07	12.39	
Mean		10	10	0.07	12.37	12 ppm @ 3% O₂
CO		225	214	0.82	166.30	
		194	186	0.77	144.85	
		160	151	0.63	117.69	
Mean		193	184	0.74	142.95	400 ppm @ 3% O₂
O ₂	2.06					
	2.25					
	1.97					
Mean	2.09					
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Waterflood Plant No. 1
 IC Engine WF 1-1

Project 010-7023
 July 21, 2010

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	23	7	0.09	0.0239	25.29	0.58 lb/hr and 25 ppm @ 15% O ₂
	22	6	0.09	0.0232	24.55	
	24	7	0.09	0.0244	25.82	
	<i>Mean</i>	23	7	0.09	0.0238	
CO	4630	1313	10.88	2.9211	3090.52	63.5 lb/hr and 4500 ppm @ 15% O ₂
	4685	1328	11.05	2.9543	3125.65	
	4373	1241	10.28	2.7602	2920.29	
	<i>Mean</i>	4563	1294	10.74	2.8785	
ROC C ₃ -C ₆₊ as C ₁	1.2	0.3	0.002	0.0004	0.42	0.11 lb/hr and 250 ppm @ 15% O ₂
	1.2	0.3	0.002	0.0004	0.42	
	1.2	0.3	0.002	0.0004	0.42	
	<i>Mean</i>	1.2	0.3	0.002	0.0004	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Waterflood Plant No. 1
 IC Engine WF 1-2

Project 010-7023
 July 21, 2010

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	60	17	0.26	0.0616	65.17	0.58 lb/hr and 25 ppm @ 15% O ₂
	61	17	0.26	0.0633	66.97	
	60	17	0.26	0.0622	65.81	
<i>Mean</i>	60	17	0.26	0.0624	65.98	
CO	7270	2061	18.98	4.5844	4850.30	63.5 lb/hr and 4500 ppm @ 15% O ₂
	7203	2043	18.65	4.5443	4807.87	
	7282	2066	19.37	4.5942	4860.66	
<i>Mean</i>	7252	2057	19.00	4.5743	4839.61	
ROC C ₃ -C ₆₊ as C ₁	5.6	1.5	0.008	0.0020	2.12	0.11 lb/hr and 250 ppm @ 15% O ₂
	4.9	1.3	0.008	0.0017	1.80	
	6.8	1.9	0.010	0.0025	2.65	
<i>Mean</i>	5.8	1.6	0.009	0.0021	2.19	
Comments: _____						

Order 910531593 PREV Preventative Maintenance
 Description VN-APCD RULE 64 REQUIREMENTS GAS PLANT 7
 Start /End date 10/04/2010 - 04/02/2011
 Priority 4 - 1 to 6 months
 Status REL MANC NMAT PRC SETC

Func Location VN.F.GPLT7
 Gas Plant #7

Superior Equipment
 Equipment
 Assembly

Location Room
 Maint Plan Grp VNG/VN00 Ventura Gas Proc
 Main Work Ctr MC206262 VN00

Notification Entered by
 Object Part /
 Damage /
 Text /
 Cause /
 Cause Text /

VN-APCD RULE 64 REQUIREMENTS GAS PLANT 7

THE FOLLOWING INFORMATION IS REQUIRED ON THIS PREV ORDER

COMPLETED BY: *Mike Canada* DATE: *3-24-11*

AS FOUND: *N/A*
 AS LEFT: *TOOK H2S out - 0.1 ppm*

GIVE THIS COMPLETED ORDER TO THE ON DUTY OPERATOR
 TO BE FILED IN THE EQUIPMENT FILES LOCATED AT PLANT 7

Operation	0010				ANALYZE FUEL GAS ANNUALLY
Work center	OPER	VN00			Operator, RS
	2963431				
Work	2.0	HR	Number	1	Actual Hours
					<u>1</u>

ANALYZE FUEL GAS ANNUALLY

GENERAL REQUIREMENTS FOR GAS PLANT 7:

ANNUALLY ANALYZE FUEL GAS USING ASTM D 4810-88 (Drager tube H2S content)

If Draeger Tube indicates equal to or greater than 200ppm H2S, the person conducting the test is required to notify the CAS so test method (South Coast AQMD Method 307 or ASTM D1072) can be run.

Retention CY+5
SOE Element 7
Retention Schedule 184
Insite Class ID 2198

REF:
PROCEDURE VEN-VNG-014 DRAEGER TUBE H2S TESTING

SEE ON COASTAL PROCEDURES HOME PAGE:
//Bkcall02/retention/Coastal/SystemofOperatingExcellence\Element 5 - Facility Design Operation and Maintenance\Procedures Ventura\Gas Plant

End of report

Order 910505621 PREV Preventative Maintenance
 Description VN-APCD RULE 71.4 WF1 V127 SUMP YRLY
 Start /End date 03/27/2010 - 09/30/2010
 Priority 3 - 15 to 33 Days
 Status REL MANC NMAT PRC SETC

Func Location VN.W.CWFP1.GN.VWP1-S001
 Waterflood 1 Concrete Pit Setting V-127

Superior Equipment
 Equipment 1112163 Waterflood 1 Concrete Pit V127
 Assembly

Location Room
 Maint Plan Grp VNP/VN00 Ventura Plants
 Main Work Ctr MG820403 VN00

Notification Entered by
 Object Part /
 Damage /
 Text /
 Cause /
 Cause Text /

Wednesday
 9-29

Operation 0020 ROC ANALYSIS ANNUAL
 Work center CAS VN00 Aera Compliance Assurance Specialist
 2809189
 Work 1.0 HR Number 0 Actual Hours

ROC ANALYSIS ANNUAL

PIT (V127):

ANNUALLY SAMPLE INFUEENT TO PIT AND ANALYZE FOR ROC BY
 EPA METHOD 8015 AND 5030. CONTACT BC LABORATORIES:
 PHONE; 661 327-4911

End of report



Date of Report: 10/11/2010

Mark Griffin

Aera Energy
3382 North Ventura Ave
Ventura, CA 93001

RE: Annual Sampling
BC Work Order: 1013644
Invoice ID: B088186

Enclosed are the results of analyses for samples received by the laboratory on 9/29/2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014



Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	3
Laboratory / Client Sample Cross Reference.....	5

Sample Results

1013644-01 - P-V127	
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	6
1013644-02 - Travel Blank	
Purgeable Aromatics and Total Petroleum Hydrocarbons.....	7

Quality Control Reports

Purgeable Aromatics and Total Petroleum Hydrocarbons	
Method Blank Analysis.....	8
Laboratory Control Sample.....	9
Precision and Accuracy.....	10

Notes

Notes and Definitions.....	11
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Chain of Custody Form



Laboratories, Inc.

Report To: Area Energy
 Client: Mark Griffin
 Attn: Mark Griffin
 Street Address: 3300 N. Ventura
 City, State, Zip: Ventura CA 93001
 Phone: 805-648-8210 Fax:
 Email Address:
 Work Order #: 1073044
 Project #: _____
 Project Name: Radial
 Global ID #: _____
 Sampler(s): _____
 Jerry Mayr

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested				Turnaround # of work days*	Comments	Page 1 of 1
				Soil	Sludge	Drinking Water	Ground Water			
1	P-V127	9-29-10	1800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are there any tests with holding times less than or equal to 48 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No * Standard Turnaround = 10 work days Notes: <u>NOVA</u> CHK BY DISTRIBUTION SUBMIT

Billing: Same as above EDP Required? Yes No
 Client: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Attn: _____
 PO#: _____
 Global ID: _____
 1. Relinquished By: JM Date: 9/29/10 Time: _____
 2. Relinquished By: _____ Date: _____ Time: _____
 3. Relinquished By: _____ Date: _____ Time: _____
 1. Received By: _____ Date: 9-29-10 Time: _____
 2. Received By: _____ Date: _____ Time: _____
 3. Received By: _____ Date: _____ Time: _____
 System # (Needed for EDT): _____

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com



IC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 1013644

SHIPPING INFORMATION
 Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER
 Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals Ice Chest Containers None Comments: _____
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Emissivity: 0.98 Container: QTA Thermometer ID #63
 Temperature: A 3.2 °C i.c. 3.2 °C

Date/Time 9/29/10
 Analyst Init S 222

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2ex. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A1								
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL-504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ JAR										
32 OZ JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____
 Sample Numbering Completed By: JJD Date/Time: 9/30/10 1730
 A = Actual C = Corrected

{H:\DOCS\WPB0LAB_00CS\FORMS\SAMREC2.WPD}

Aera Energy
 3382 North Ventura Ave
 Ventura, CA 93001

Reported: 10/11/2010 14:22
Project: Annual Sampling
Project Number: P-V127
Project Manager: Mark Griffin

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1013644-01	COC Number:	---	Receive Date:	09/29/2010 20:25
	Project Number:	---	Sampling Date:	09/29/2010 12:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	P-V127	Sample Matrix:	Water
	Sampled By:	Jerry Mason		
1013644-02	COC Number:	---	Receive Date:	09/29/2010 20:25
	Project Number:	---	Sampling Date:	09/29/2010 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	Travel Blank	Sample Matrix:	Water
	Sampled By:	---		



Aera Energy
3382 North Ventura Ave
Ventura, CA 93001

Reported: 10/11/2010 14:22
Project: Annual Sampling
Project Number: P-V127
Project Manager: Mark Griffin

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1013644-01 | Client Sample Name: P-V127, 9/29/2010 12:00:00PM, Jerry Mason

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	170	ug/L	50	5.0	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	10/05/10	10/08/10 16:25	jjh	GC-V4	1	BTJ0162

Aera Energy
 3382 North Ventura Ave
 Ventura, CA 93001

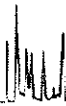
Reported: 10/11/2010 14:22
 Project: Annual Sampling
 Project Number: P-V127
 Project Manager: Mark Griffin

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1013644-02 Client Sample Name: Travel Blank, 9/29/2010 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	5.0	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	74.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	10/05/10	10/06/10 16:30	jjh	GC-V4	1	BTJ0162



Aera Energy
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Ventura, CA 93001

Reported: 10/11/2010 14:22
Project: Annual Sampling
Project Number: P-V127
Project Manager: Mark Griffin

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BTJ0162						
Gasoline Range Organics (C4 - C12)	BTJ0162-BLK1	ND	ug/L	50	5.0	
a,a,a-Trifluorotoluene (FID Surrogate)	BTJ0162-BLK1	78.1	%	70 - 130 (LCL - UCL)		

Aera Energy 3382 North Ventura Ave Ventura, CA 93001	Reported: 10/11/2010 14:22 Project: Annual Sampling Project Number: P-V127 Project Manager: Mark Griffin
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Purgeable Aromatics and Total Petroleum Hydrocarbons
Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	Control Limits		Lab
							RPD	Percent Recovery	
QC Batch ID: BTJ0162									
Gasoline Range Organics (C4 - C12)	BTJ0162-BS1	LCS	1035.3	1000.0	ug/L	104		85 - 115	
a,a,a-Trifluorotoluene (FID Surrogate)	BTJ0162-BS1	LCS	39.083	40.000	ug/L	97.7		70 - 130	



Aera Energy
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Ventura, CA 93001

Reported: 10/11/2010 14:22
Project: Annual Sampling
Project Number: P-V127
Project Manager: Mark Griffin

Purgeable Aromatics and Total Petroleum Hydrocarbons Quality Control Report - Precision & Accuracy

Constituent	Source Type	Source Sample ID	Source Result	Result	Spike Added	Units	Percent RPD	Control Limits		Lab
								Recovery	RPD	
QC Batch ID: BTJ0162		Used client sample: N								
Gasoline Range Organics (C4 - C12)	MS	1013191-18	ND	1030.1	1000.0	ug/L		103		70 - 130
	MSD	1013191-18	ND	1062.9	1000.0	ug/L	3.1	106	20	70 - 130
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1013191-18	ND	38.760	40.000	ug/L		96.9		70 - 130
	MSD	1013191-18	ND	38.848	40.000	ug/L		97.1		70 - 130



Aera Energy
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Ventura, CA 93001

Reported: 10/11/2010 14:22
Project: Annual Sampling
Project Number: P-V127
Project Manager: Mark Griffin

Notes And Definitions

- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference