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May 10, 2013

Mr. Dan Searcy
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, 2012
VENTURA COUNTY APCD PERMIT 00041

Dear Mr. Searcy:

Enclosed please find Aera Energy LLC's (Aera) Annual Compliance Certification report for the period April 1, 2012 through March 31, 2013 for Permit No. 00041.

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,

Christopher Logan
Compliance Assurance Specialist

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

RECEIVED
MAY 10 PM 3:58
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, 2012 – MARCH 31, 2013**

MAY 10, 2013



**AERA ENERGY LLC
3382 N. VENTURA AVENUE
VENTURA, CALIFORNIA 93001-1237**



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: Title: Vice President - Pacific Asset	Date: 5/10/13
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Time Period Covered by Compliance Certification 04 / 01 / 12 (MM/DD/YY) to 03 / 31 / 13 (MM/DD/YY)



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/12 (MM/DD/YY) to 03/31/13 (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: 4/23/2012 6:24:00PM End: 4/23/2012 6:34:00PM When Discovered: 4/23/2012 7:00:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Southern California Edison power outage.		H. Corrective actions taken: The vapor recovery compressors resumed normal operation once power was restored.

A. Attachment # or Permit Condition #: Rule: 71.1N1 Rule Condition No: 1	B. Equipment Description: 2- 500 BBL Waste Fluids/Solids Storage Tanks, VR	C. Deviation Period: Date & Time Begin: 5/11/2012 10:17:00AM End: 5/11/2012 11:15:00AM When Discovered: 5/11/2012 10:17:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Power was lost during repair work at the facility and the UPS failed to provide back-up power.		H. Corrective actions taken: Power was restored to the facility and vapor recovery resumed normal operation.

A. Attachment # or Permit Condition #: Rule: 74.10 Rule Condition No: 36	B. Equipment Description: FACILITY-WIDE REQUIREMENTS	C. Deviation Period: Date & Time Begin: 5/23/2012 2:30:00PM End: 5/23/2012 2:40:00PM When Discovered: 6/5/2012 11:00:00AM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Pressure relief hatch on portable tank was leaking around the rubber seal.		H. Corrective actions taken: The hatch seal was lubricated which corrected the fugitive gas leak.



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/12 (MM/DD/YY) to 03/31/13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #:</p> <p>Rule 74 10 Rule Condition No: 36</p>	<p>B. Equipment Description:</p> <p>FACILITY-WIDE REQUIREMENTS</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: 5/24/2012 3:00:00PM End: 5/24/2012 3:10:00PM</p> <p>When Discovered: 6/5/2012 11:00:00AM</p>
<p>D. Parameters monitored:</p> <p>Not Applicable</p>	<p>E. Limit:</p> <p>Not Applicable</p>	<p>F. Actual:</p> <p>Not Applicable</p>
<p>G. Probable Cause of Deviation: Open-ended line that was leaking at the wellhead</p>		<p>H. Corrective actions taken: A bull plug was installed which sealed the leak. Operators will be trained on 74 10 requirements related to open-ended lines.</p>

<p>A. Attachment # or Permit Condition #:</p> <p>Rule: 0041PC11 Rule Condition No: 1</p>	<p>B. Equipment Description:</p> <p>Tank Truck LPG Loading Facility w/Closed Vapor Recovery System</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: 5/24/2012 2:30:00PM End: 5/24/2012 2:30:00PM</p> <p>When Discovered: 6/5/2012 11:00:00AM</p>
<p>D. Parameters monitored:</p> <p>Not Applicable</p>	<p>E. Limit:</p> <p>Not Applicable</p>	<p>F. Actual:</p> <p>Not Applicable</p>
<p>G. Probable Cause of Deviation: Operator left main valve for vapor recovery hose in open position. Even though the system was equipped with a check valve, it did not seal properly.</p>		<p>H. Corrective actions taken: The manual isolation valve was closed, bringing the vapor recovery system into compliance. In the future, a cap will be placed at the end of the hose after loading and the operator will be re-trained on standard operating procedures.</p>

<p>A. Attachment # or Permit Condition #:</p> <p>Rule: 71 1N1 Rule Condition No: 1</p>	<p>B. Equipment Description:</p> <p>8000 bbl LACT Tank (VORD-T026A) VR</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: 8/26/2012 5:49:00PM End: 8/27/2012 12:00:00PM</p> <p>When Discovered: 8/26/2012 5:49:00PM</p>
<p>D. Parameters monitored:</p> <p>Not Applicable</p>	<p>E. Limit:</p> <p>Not Applicable</p>	<p>F. Actual:</p> <p>Not Applicable</p>
<p>G. Probable Cause of Deviation: The PLC and other equipment was vandalized causing a communication failure.</p>		<p>H. Corrective actions taken: Fiberoptics were repaired and vapor recovery resumed normal operation.</p>



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/12 (MM/DD/YY) to 03/31/13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #</p> <p>Rule: 71.1N1 Rule Condition No: 1</p>	<p>B. Equipment Description:</p> <p>1 - 20,000 BBL Spare Tank (VOTD-T206) VR</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: 11/1/2012 9:30:00AM End: 11/1/2012 2:00:00PM</p> <p>When Discovered: 11/1/2012 9:30:00AM</p>
<p>D. Parameters monitored:</p> <p>Not Applicable</p>	<p>E. Limit:</p> <p>Not Applicable</p>	<p>F. Actual:</p> <p>Not Applicable</p>
<p>G. Probable Cause of Deviation: The leak was found on the roof of Tank T206.</p>		<p>H. Corrective actions taken: The area of leakage was sealed tight using Splash Zone resulting in control of produced gas. This tank is scheduled for demolition this year.</p>

<p>A. Attachment # or Permit Condition #</p> <p>Rule: 71.1N1 Rule Condition No: 1</p>	<p>B. Equipment Description:</p> <p>1 - 2,000 BBL Raw Water Tank (VWP4-T101) VR</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: 11/29/2012 10:45:00AM End: 11/30/2012 9:00:00AM</p> <p>When Discovered: 11/29/2012 10:45:00AM</p>
<p>D. Parameters monitored:</p> <p>Not Applicable</p>	<p>E. Limit:</p> <p>Not Applicable</p>	<p>F. Actual:</p> <p>Not Applicable</p>
<p>G. Probable Cause of Deviation: Counterbalance weight system on the Varec not functioning properly.</p>		<p>H. Corrective actions taken: The Varec was repaired and returned to normal operation.</p>

<p>A. Attachment # or Permit Condition #</p> <p>Rule: 71.1N1 Rule Condition No: 1</p>	<p>B. Equipment Description:</p> <p>1 - 3,000 BBL Filtered Water Tank (VWP4-T102) VR</p>	<p>C. Deviation Period: Date & Time</p> <p>Begin: 11/29/2012 11:00:00AM End: 11/30/2012 10:00:00AM</p> <p>When Discovered: 11/29/2012 11:00:00AM</p>
<p>D. Parameters monitored:</p> <p>Not Applicable</p>	<p>E. Limit:</p> <p>Not Applicable</p>	<p>F. Actual:</p> <p>Not Applicable</p>
<p>G. Probable Cause of Deviation: The rubber gasket on the Varec was worn and folded over</p>		<p>H. Corrective actions taken: The Varec was repaired and returned to normal operation</p>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/12 (MM/DD/YY) to 03/31/13 (MM/DD/YY)

A. Attachment # or Permit Condition #: Rule: 71.1N6 Rule Condition No. 2	B. Equipment Description: 73 - 500 BBL Portable Tanks	C. Deviation Period: Date & Time Begin: 11/24/2012 12:00:00AM End: 2/6/2013 2:30:00PM When Discovered: 2/6/2013 1:00:00PM
D. Parameters monitored: Not Applicable	E. Limit: Not Applicable	F. Actual: Not Applicable
G. Probable Cause of Deviation: Two 500 bbl portable tanks exceeded the 60 day limit for storing oil while on a new well location (RBE84). A different tank vendor was used than is typical for storing oil and therefore was not part of the tracking process.		H. Corrective actions taken: Oil was pulled from the portable tanks and the tanks were transported to the storage yard. The tank tracking process will be reviewed and amended if necessary.



Ventura County Air Pollution Control District

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Equipment: FACILITY-WIDE REQUIREMENTS Revised on 6/4/2008			
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

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



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Company Name: Aera Energy LLC				Permit: 0041	
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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		



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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>
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	



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Company Name: Aera Energy LLC		Permit: 0041		
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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)
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 a Southern California Edison power outage occurred causing the vapor recovery compressors at CP3 to shutdown. Breakdown relief requested and granted.
71.1.C Cond 2	In Compliance	Continuous	Reference Condition	Event Date: 04/23/2012
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	
71.1.C Cond 5	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	
71.4.B.1 Cond 1	In Compliance	Continuous	Work Practices - Pits, Ponds, and Well Cellars	
71.4.B.1 Cond 2	In Compliance	Continuous	Documentation of Annual Certification by Responsible Official	
71.4.B.3 Cond 1	In Compliance	Continuous	Documentation of well cellar inspections	
71.4.B.3 Cond 2	In Compliance	Continuous	Documentation of well cellar inspections	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
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71.4.B.3 Cond 3	In Compliance	Continuous	Documentation of well cellar inspections	
71.4.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	Work Practices - Abrasive Blasting	
74.10 Cond 1	In Compliance	Continuous	Documentation of abrasive blasting operations & surveillance	
74.10 Cond 2	In Compliance	Continuous	Documentation of 74.10 Operator Management Plan	
74.10 Cond 3	In Compliance	Continuous	Work Practices - Tank Inspection	
74.10 Cond 4	In Compliance	Continuous	Reference Condition	
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	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
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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 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	
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	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
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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 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	
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	



Ventura County Air Pollution Control District

Company Name: Aera Energy LLC		Permit: 0041		
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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 36	In Compliance	Intermittent	Reference Condition	During an APCD inspection on 5/23/12, the District inspector identified a leaking hatch on a 500-bbl portable tank at the Hartman Waterflood facility. NOV# 22737 issued. Event Date: 05/23/2012
74.10 Cond 36	In Compliance	Intermittent	Reference Condition	During an APCD inspection on 5/24/12, the District inspector identified an open-ended line that was leaking on Well RBW2. NOV# 22737 issued. Event Date: 05/24/2012
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	
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	



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Company Name: Aera Energy LLC		Permit: 0041		
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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)
74.2 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	
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.	



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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 VWP - Soil Decontamination	
74.29 Cond 4	In Compliance	Continuous	Documentation of District notification	
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 VWP - Soil Decontamination	



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Company Name: Aera Energy LLC		Permit: 0041		
Certification Period: 04/01/2012 through 03/31/2013		Page 11 of 56		
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>
74.29 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	
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	



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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: 1 - 173 BBL PWT Wemco #1 (TCWF-W001) 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 - 173 BBL PWT Wemco #2 (TCWF-W002) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	



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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 - 173 BBL PWT Wemco #3 (TCWF-W003) 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 PWT Old Wemco Tank (TWCF-T100) VR Revised on 6/4/2008				



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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 Wemco Tank (TWCF-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	
71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	



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Equipment: 1 - 1000 BBL Solids Tank, COST (TWSI-T001) VR Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
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	
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	



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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 SlopTank (TWCF-T600) 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 - 70000 BBL Emergency Cement Bowl (CMTD-S70K) Revised on 6/4/2008				
0041PC8 Cond 1	In Compliance	Continuous	Documentation of pit usage (days, material stored and cleaning operations)	



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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- 1050 MMBTU/Hr John Zink Hydra 8" Flare 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	
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	



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Equipment: 1 - 205 MMBTU/Hr 6" Flare (includes coaxial 2 MMBTU/Hr 1.5" unit) 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	
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 5	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment: 1 - 616 BHP Lean Burn NG Waukesha Engine Model F352 IGL (C-201) 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	
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	



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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	
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 F352IGL(C-202) 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	
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	



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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	
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 Wheco Heater Serial No.WJ-81-009, Low Nox 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	
0041PC3 Cond 2	In Compliance	Continuous	Documentation of fuel consumption records	
0041PC3 Cond 5	In Compliance	Continuous	Documentation of operating parameters	
0041PC3 Cond 6	In Compliance	Continuous	Documentation of source test reports	



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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 MMSCFD/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	
71.1N1 Cond 3	In Compliance	Continuous	Documentation of 74.10 leak inspections and 74.10 Operator Management Plan	



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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: 1108 BHP Lean Burn NG Waukesha Engine Model L7042GL (C-101) 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		



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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: 1108 BHP Lean Burn NG Waukesha Engine Model L7042GL (C-102) 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		
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		



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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: 1108 BHP Lean Burn NG Waukesha Engine Model L7042GL (C-103) 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	
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	



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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 (16.1 MMSCFD/Triethylene 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	
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	



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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: 2000 BBL PWT Emergency V75 Tank for AWT#3 (T-V75B) 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	



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Equipment: 1 - 3000 BBL Hartman Filtered Water Tank (TWPM-T006) 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 - 830 BBL Filter Agent Silo with Baghouse Control System (TWPM-T010) Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
TP0041 Cond 9	In Compliance	Continuous	Documentation of throughput records	
Equipment: 856 - Oil Wells Revised on 10/1/2009				
0041PC1 Cond 4	In Compliance	Continuous	Documentation of equipment configuration	
Equipment: 73 - 500 BBL Portable Tanks Revised on 6/4/2008				
71.1N6 Cond 1	In Compliance	Continuous	Work Practices - Portable Tanks	



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71.1N6 Cond 2	In Compliance	Intermittent	Work Practices - Portable Tanks	It was discovered that two 500 bbl portable tanks on a new well location held oil for more than 60 days (start date was 9/24/12). NOV# 22650 issued. Event Date: 11/24/2012
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: Portable Open Top Mixing Bin, 242.25 sqft (8.25 ft. x 28.5 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 LPG Loading Facility w/Closed Vapor Recovery System Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	



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0041PC11 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	During an APCD inspection on 5/24/12, the District inspector observed a vapor recovery hose for loading butane-propane with main valve left open at Gas Plant 6. NOV# 22738 issued. Event Date: 05/24/2012
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	
74.9N7 Cond 3	In Compliance	Continuous	Documentation of Annual Certification submittals	
74.9N7 Cond 4	In Compliance	Continuous	Annual report requirements	
Equipment: 8000 bbl LACT Tank (VORD-1026A) VR Revised on 4/7/2011				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Produced gas was not controlled when a communication failure with the PLC, resulting from vandalism, caused the vacuum valve to fail closed on LACT Tank T-026A. Breakdown relief requested and granted. Event Date: 08/26/2012
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	



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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- 14.33 MMBTU/hr NG BYSIS Manufacturing Oil Heater No. 601A 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	
0041PC3 Cond 1	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	
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	



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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: 1- 8.0 MMBTU/hr NG BYSIS Manufacturing Oil Heater No. 601A, equipped with a Bloom Engineering/Gideon Ultra Low Nox burner Revised on 12/14/2012				
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	
0041PC3 Cond 1	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	
74.15N1 Cond 1	In Compliance	Continuous	Documentation of source test reports	



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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		
Equipment: 1- 42.75 sqft (9.5' x 4.5') Covered Trough (Sump) Revised on 6/4/2008					
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		



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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 BBL Waste Fluids/Solids Storage Tanks, VR Revised on 6/4/2008					
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		



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71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	Produced gas was not controlled when power was lost to the Lloyd Solids Processing Area causing make-up gas to vent from the two 500 BBL waste fluid tanks. Breakdown relief requested and granted.
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	Event Date: 05/11/2012
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	
Equipment: 1- M-1 SWACO Centrifuge, Model 1850, 18" x 50" bowl size, (or similar unit) Revised on 6/4/2008				
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	



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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: 1 -3000 BBL PWT Spare Source Water Tank (TWCF-260B) VR Revised on 3/24/2010					
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 PWT Source Water Tank (TWCF-260A) VR Revised on 3/24/2010					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		



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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 Hartman A Tank (TWPM-210A) VR Revised 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 Hartman B Tank (TWPM-210B) VR Revised on 10/1/2009				



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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 10/1/2009				
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	



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Equipment: 1 - 3000 BBL LACT Tank (T-420A) VR Revised 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 Revised 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	



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71.1N1 Cond 5	In Compliance	Continuous	Documentation of equipment configuration and Annual Certification by Responsible Official	
Equipment: 1 - 3000 BBL PWT (T-430A) VR Revised 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: 5000 bbl FWKO/Wash Tank (TOLD-T330A) VR Revised on 6/15/2011				
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	



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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: 5000 bbl C-Block LACT Tank (TOLD-T310A) VR Revised on 6/15/2011				
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: 5000 bbl D-Block LACT Tank (TOLD-T320A) VR Revised on 6/15/2011				
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	



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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: 5000 bbl PWT Pre-Wemco Tank (TWCF-T280A) VR Revised on 6/15/2011					
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: 5000 bbl PWT Spare Pre-Wemco Tank (TWCF-T280B) VR Revised on 6/15/2011					
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration		



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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 (T-240A) VR Revised on 12/14/2012				
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 Blended Water Tank (VWCP-T500) VR Revised on 6/4/2008				



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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-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	



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Equipment: 1- 3000 BBL PWT Brine Tank (VWCP-T300) 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 (VWCP-T200) 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		



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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-T100) 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-T401) 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	



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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 (VWSI-T403) VR Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
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 - 435 BBL PWT Wemco #1 (VWCP-W410) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Continuous	Documentation of equipment configuration	



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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 - 435 BBL PWT Wemco #2 (VWCP-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: 1 - 20,000 BBL PWT Main (VOTD-T205) VR Revised on 6/4/2008				



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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 Burn White NG Engine, Model G8258 (WF1-1) NSCR. 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	
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	



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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 G8258 (WF1-2) NSCR 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	
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	



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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 (V127) Exempt < 5 mg/l Revised on 6/4/2008				
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: 10,500 bbl LACT Tank (VOTD-T201) VR Revised on 4/7/2011				
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	



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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 (VWP4-T101) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A leaking Varec hatch (>10K ppm) on the raw water tank (VWP4-T101) was found during a quarterly inspection resulting in emissions of produced gas not being directed to a fuel gas system, sales gas system, or a flare Breakdown relief requested and granted. Event Date: 11/29/2012
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 - 3,000 BBL Filtered Water Tank (VWP4-T102) VR Revised on 6/4/2008				



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71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A leaking Varec hatch (>10K ppm) on the filtered water tank (VWP4-T102) was found during a quarterly inspection resulting in emissions of produced gas not being directed to a fuel gas system, sales gas system, or a flare. Breakdown relief requested and granted.
71.1N1 Cond 2	In Compliance	Continuous	Documentation of maintenance activities and APCD notifications	Event Date: 11/29/2012
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 CF (48' x 21.5' O.D.) Filter Agent Silo w/DCE Siloair Dust Filter Model VS15KS3 (VWP4-S001) Revised on 10/1/2009				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
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	



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TP0041 Cond 17	In Compliance	Continuous	Documentation of throughput records	
Equipment: 1 - 7,000 CF (48' x 21.5' O.D.) Filter Agent Silo w/DCE Siloair Dust Filter Model VS15KS3 (VWP4-S001) Revised on 6/4/2012				
0041PC1 Cond 1	In Compliance	Continuous	Documentation of throughput and consumption records	
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: 1-292 MMBTU/Hr Kaldair Low Pressure Flare 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	
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 18	In Compliance	Continuous	Documentation of throughput records	



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Equipment: 1 - 748 BHP Rich Burn Waukesha NG Engine Model L5790GU (CP2-1) NSCR 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	
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	
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	



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TP0041 Cond 19	In Compliance	Continuous	Documentation of fuel consumption records	
Equipment: 1 - 748 BHP Rich Burn Waukesha NG Engine Model L5790GU (CP2-2) NSCR 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	
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	
74.9N3 Cond 6	In Compliance	Continuous	Documentation of Annual Certification submittals	



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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: 1 - 20,000 BBL Spare Tank (VOTD-T206) VR Revised on 6/4/2008				
71.1N1 Cond 1	In Compliance	Intermittent	Documentation of equipment configuration	A gas leak on tank (VOTD-T206) resulted in emissions of produced gas not being directed to a fuel gas system, sales gas system or a flare. Breakdown relief requested and granted Event Date: 11/01/2012
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	

Aera Energy LLC

Ventura Unit

Permit 00041

Annual report

April 1, 2012 – March 31, 2013

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:

- Waterflood Plant No. 1, IC Engine WF1-1, May 9, 2012
- Waterflood Plant No. 1, IC Engine WF1-2, May 9, 2012
- Lloyd Corporation Lease (Gas Plant 2), IC Engine C-201, May 10, 2012
- Lloyd Corporation Lease (Gas Plant 2), IC Engine C-202, May 10, 2012
- BYIS Heater No. 601-A, Gas Plant 7, July 3, 2012

Rule 64.B.1 Compliance

The fuel test was performed by Aera personnel on 3/12/13 and the results were 0 ppm for H₂S. 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 5/1/12 (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.

PC13 Compliance

The following equipment was designated "Out of Service" during the certification period:

- 1 – Crude Oil Loading Facility BL VR
- 1 – 1000 BBL PWT Clean Water Tank (TWCF-T500) VR
- 1 – 1600 BBL PWT Flotation Cell Tank (TWCF-T200) VR
- 1 – 630 BHP Detroit Diesel Emergency Standby Engine, Model 71237305, Serial No. L16330, EPA Family Name: DDL2VA081299, I.D. No. VCSECSCPGNCSGEN101

Internal Combustion Engine Emissions Test Results

Analyzer Type: Testo or Enerac

Year: 2012-2013

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Runtime Hours			Corrective Actions
						Quarter 2, 2012			
						Apr	May	Jun	
C-101*	5/23/2012	10.56	NOx	35 ppm	DES	92	259	516	
			CO	319 ppm					
C-102*	5/23/2012	10.77	NOx	34 ppm	DES	144	53	1	
			CO	362 ppm					
C-103*	5/23/2012	10.64	NOx	36 ppm	DES	488	435	225	
			CO	303 ppm					
C-201*	5/10/2012	15.00	NOx	24 ppm	Aeros	523	260	209	
			CO	307 ppm					
C-202*	5/10/2012	15.00	NOx	24 ppm	Aeros	197	485	488	
			CO	289 ppm					
CP 2-1**			NOx			0	0	0	No quarterly test was conducted since engine operated less than 32 hours each month.
			CO						
CP 2-2**	5/24/2012	0.21	NOx	1 ppm	DES	714	741	705	
			CO	299 ppm					
WF1-1**	5/9/2012	15.00	NOx	13 ppm	Aeros	711	744	712	
			CO	3053 ppm					
WF1-2**	5/9/2012	15.00	NOx	9 ppm	Aeros	711	744	711	
			CO	1265 ppm					

Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Runtime Hours			Corrective Actions
						Quarter 3, 2012			
						Jul	Aug	Sep	
C-101*	9/28/2012	10.6	NOx	25 ppm	DES	434	108	108	
			CO	304 ppm					
C-102*	9/19/2012	10.94	NOx	26 ppm	DES	72	69	80	
			CO	343 ppm					
C-103*	9/19/2012	10.74	NOx	27 ppm	DES	241	533	531	
			CO	292 ppm					
C-201*	8/23/2012	11.01	NOx	30 ppm	DES	491	256	254	
			CO	288 ppm					
C-202*	8/23/2012	11.15	NOx	15 ppm	DES	250	465	465	
			CO	325 ppm					
CP 2-1**	7/27/2012	0.01	NOx	1 ppm	DES	128	139	123	
			CO	1063 ppm					
CP 2-2**	9/20/2012	0.17	NOx	1 ppm	DES	605	569	557	
			CO	1938 ppm					
WF1-1**	9/18/2012	0.04	NOx	5 ppm	DES	738	712	720	
			CO	3278 ppm					
WF1-2**	9/18/2012	0.03	NOx	21 ppm	DES	739	713	720	
			CO	598 ppm					

* 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: Testo or Enerac

Year: 2012-2013

						Runtime Hours			Corrective Actions
						Quarter 4, 2012			
Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Oct	Nov	Dec	
C-101*	11/15/2012	11.71	NOX	27 ppm	DRD	226	536	229	
			CO	234 ppm					
C-102*	11/15/2012	10.84	NOX	38 ppm	DRD	0	68	115	
			CO	363 ppm					
C-103*	11/15/2012	12.28	NOX	40 ppm	DRD	518	115	453	
			CO	285 ppm					
C-201*	11/13/2012	10.64	NOX	15 ppm	DRD	350	203	80	
			CO	248 ppm					
C-202*	11/13/2012	10.68	NOX	7 ppm	DRD	394	519	654	
			CO	263 ppm					
CP 2-1**	10/4/2012	0.28	NOX	1 ppm	DES	260	327	503	
			CO	1096 ppm					
CP 2-2**	10/4/2012	0.28	NOX	1 ppm	DES	472	389	226	
			CO	1272 ppm					
WF1-1**	12/12/2012	0.03	NOX	5 ppm	DES	734	129	493	
			CO	4076 ppm					
WF1-2**	12/12/2012	0.08	NOX	2 ppm	DES	732	130	492	
			CO	789 ppm					

						Runtime Hours			Corrective Actions
						Quarter 1, 2013			
Engine ID	Date	O2%	Emis	PPMV @ 15% O2	Insp. Initials	Jan	Feb	Mar	
C-101*	3/20/2013	11.19	NOX	20 ppm	DES	258	0	111	
			CO	347 ppm					
C-102*	3/20/2013	10.49	NOX	27 ppm	DES	79	144	165	
			CO	302 ppm					
C-103*	3/20/2013	13.31	NOX	25 ppm	DES	398	531	470	
			CO	264ppm					
C-201*	2/7/2013	10.80	NOX	18 ppm	DES	356	415	728	
			CO	274ppm					
C-202*	2/7/2013	10.97	NOX	16 ppm	DES	379	256	8	
			CO	264 ppm					
CP 2-1**	3/29/2013	0.09	NOX	7 ppm	DES	733	170	384	
			CO	20 ppm					
CP 2-2**	3/29/2013	0.23	NOX	1 ppm	DES	0	494	357	
			CO	292 ppm					
WF1-1**	3/21/2013	0.02	NOX	10 ppm	DES	611	0	114	
			CO	3202 ppm					
WF1-2**	3/21/2013	0.07	NOX	3 ppm	DES	611	0	114	
			CO	1621 ppm					

* 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-12					
02-Apr-12					
03-Apr-12					
04-Apr-12					
05-Apr-12					
06-Apr-12					
07-Apr-12					
08-Apr-12					
09-Apr-12					
10-Apr-12					
11-Apr-12					
12-Apr-12					
13-Apr-12					
14-Apr-12					
15-Apr-12					
16-Apr-12					
17-Apr-12					
18-Apr-12					
19-Apr-12					
20-Apr-12					
21-Apr-12					
22-Apr-12					
23-Apr-12					
24-Apr-12					
25-Apr-12					
26-Apr-12					
27-Apr-12					
28-Apr-12					
29-Apr-12					
30-Apr-12					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Apr-12	7.5	Auto			
02-Apr-12	2.4	Auto			
03-Apr-12	0.9	Auto			
04-Apr-12	1.0	Auto			
05-Apr-12	1.1	Auto			
06-Apr-12	1.3	Auto			
07-Apr-12	1.1	Auto			
08-Apr-12	1.0	Auto			
09-Apr-12	1.1	Auto			
10-Apr-12	1.3	Auto			
11-Apr-12	1.2	Auto			
12-Apr-12	1.5	Auto			
13-Apr-12	9.0	Auto			
14-Apr-12	20.2	Auto			
15-Apr-12	1.2	Auto			
16-Apr-12	1.0	Auto			
17-Apr-12	0.9	Auto			
18-Apr-12	1.0	Auto			
19-Apr-12	1.0	Auto			
20-Apr-12	1.6	Auto			
21-Apr-12	1.0	Auto			
22-Apr-12	1.1	Auto			
23-Apr-12	0.9	Auto			
24-Apr-12	2.8	Auto			
25-Apr-12	1.8	Auto			
26-Apr-12	1.1	Auto			
27-Apr-12	1.1	Auto			
28-Apr-12	1.0	Auto			
29-Apr-12	1.3	Auto			
30-Apr-12	1.3	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-May-12					
02-May-12					
03-May-12					
04-May-12					
05-May-12					
06-May-12					
07-May-12					
08-May-12					
09-May-12					
10-May-12					
11-May-12					
12-May-12					
13-May-12					
14-May-12					
15-May-12					
16-May-12					
17-May-12					
18-May-12					
19-May-12					
20-May-12					
21-May-12					
22-May-12					
23-May-12					
24-May-12					
25-May-12					
26-May-12					
27-May-12					
28-May-12					
29-May-12					
30-May-12					
31-May-12					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-May-12	15.8	Auto			
02-May-12	6.1	Auto			
03-May-12	3.1	Auto			
04-May-12	1.1	Auto			
05-May-12	0.9	Auto			
06-May-12	1.1	Auto			
07-May-12	1.1	Auto			
08-May-12	1.2	Auto			
09-May-12	1.1	Auto			
10-May-12	1.0	Auto			
11-May-12	0.9	Auto			
12-May-12	1.2	Auto			
13-May-12	1.5	Auto			
14-May-12	1.0	Auto			
15-May-12	1.4	Auto			
16-May-12	1.3	Auto			
17-May-12	1.0	Auto			
18-May-12	1.1	Auto			
19-May-12	1.0	Auto			
20-May-12	1.2	Auto			
21-May-12	1.0	Auto			
22-May-12	0.8	Auto			
23-May-12	1.0	Auto			
24-May-12	1.1	Auto			
25-May-12	1.0	Auto			
26-May-12	1.0	Auto			
27-May-12	1.3	Auto			
28-May-12	1.0	Auto			
29-May-12	1.0	Auto			
30-May-12	1.1	Auto			
31-May-12	1.1	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-Jun-12					
02-Jun-12					
03-Jun-12					
04-Jun-12					
05-Jun-12					
06-Jun-12					
07-Jun-12					
08-Jun-12					
09-Jun-12					
10-Jun-12					
11-Jun-12					
12-Jun-12					
13-Jun-12					
14-Jun-12					
15-Jun-12					
16-Jun-12					
17-Jun-12					
18-Jun-12					
19-Jun-12					
20-Jun-12					
21-Jun-12					
22-Jun-12					
23-Jun-12					
24-Jun-12					
25-Jun-12					
26-Jun-12					
27-Jun-12					
28-Jun-12					
29-Jun-12					
30-Jun-12					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jun-12	1.4	Auto			
02-Jun-12	1.2	Auto			
03-Jun-12	1.2	Auto			
04-Jun-12	1.2	Auto			
05-Jun-12	1.0	Auto			
06-Jun-12	1.1	Auto			
07-Jun-12	0.9	Auto			
08-Jun-12	0.9	Auto			
09-Jun-12	0.8	Auto			
10-Jun-12	1.0	Auto			
11-Jun-12	1.4	Auto			
12-Jun-12	0.8	Auto			
13-Jun-12	1.1	Auto			
14-Jun-12	1.2	Auto			
15-Jun-12	1.0	Auto			
16-Jun-12	0.9	Auto			
17-Jun-12	1.1	Auto			
18-Jun-12	1.4	Auto			
19-Jun-12	0.9	Auto			
20-Jun-12	1.3	Auto			
21-Jun-12	0.9	Auto			
22-Jun-12	0.9	Auto			
23-Jun-12	0.6	Auto			
24-Jun-12	1.1	Auto			
25-Jun-12	2.0	Auto			
26-Jun-12	2.0	Manual			
27-Jun-12	3.3	Manual			
28-Jun-12	5.0	Manual			
29-Jun-12	2.0	Manual			
30-Jun-12	0.7	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-Jul-12					
02-Jul-12					
03-Jul-12					
04-Jul-12					
05-Jul-12					
06-Jul-12					
07-Jul-12					
08-Jul-12					
09-Jul-12					
10-Jul-12					
11-Jul-12					
12-Jul-12					
13-Jul-12					
14-Jul-12					
15-Jul-12					
16-Jul-12					
17-Jul-12					
18-Jul-12					
19-Jul-12					
20-Jul-12					
21-Jul-12					
22-Jul-12					
23-Jul-12					
24-Jul-12					
25-Jul-12					
26-Jul-12					
27-Jul-12	1.2	Demand			
28-Jul-12	0.9	Auto			
29-Jul-12	0.9	Auto			
30-Jul-12	1.0	Auto			
31-Jul-12	1.7	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jul-12	0.7	Auto			
02-Jul-12	0.9	Auto			
03-Jul-12	0.6	Auto			
04-Jul-12	1.3	Auto			
05-Jul-12	0.9	Auto			
06-Jul-12	1.0	Auto			
07-Jul-12	0.7	Auto			
08-Jul-12	0.7	Auto			
09-Jul-12	0.8	Auto			
10-Jul-12	0.6	Auto			
11-Jul-12	0.7	Auto			
12-Jul-12	0.7	Auto			
13-Jul-12	0.5	Auto			
14-Jul-12	0.5	Auto			
15-Jul-12	0.5	Auto			
16-Jul-12	0.7	Auto			
17-Jul-12	0.6	Auto			
18-Jul-12	0.6	Auto			
19-Jul-12	0.6	Auto			
20-Jul-12	0.6	Auto			
21-Jul-12	0.5	Auto			
22-Jul-12	0.6	Auto			
23-Jul-12	0.7	Auto			
24-Jul-12	0.9	Auto			
25-Jul-12	0.5	Auto			
26-Jul-12	0.6	Auto			
27-Jul-12					
28-Jul-12					
29-Jul-12					
30-Jul-12					
31-Jul-12					

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-12					
02-Aug-12					
03-Aug-12	1.0	Auto			
04-Aug-12	0.8	Auto			
05-Aug-12	1.1	Auto			
06-Aug-12	1.4	Auto			
07-Aug-12					
08-Aug-12					
09-Aug-12					
10-Aug-12					
11-Aug-12					
12-Aug-12					
13-Aug-12					
14-Aug-12					
15-Aug-12					
16-Aug-12					
17-Aug-12					
18-Aug-12					
19-Aug-12					
20-Aug-12					
21-Aug-12					
22-Aug-12					
23-Aug-12					
24-Aug-12	0.6	Auto			
25-Aug-12					
26-Aug-12					
27-Aug-12					
28-Aug-12					
29-Aug-12					
30-Aug-12					
31-Aug-12					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Aug-12	9.6	Auto			
02-Aug-12	7.2	Auto			
03-Aug-12					
04-Aug-12					
05-Aug-12					
06-Aug-12					
07-Aug-12	1.8	Auto			
08-Aug-12	0.8	Auto			
09-Aug-12	0.8	Auto			
10-Aug-12	1.1	Auto			
11-Aug-12	1.1	Auto			
12-Aug-12	0.8	Auto			
13-Aug-12	1.0	Auto			
14-Aug-12	0.8	Auto			
15-Aug-12	0.7	Auto			
16-Aug-12	1.3	Auto			
17-Aug-12	1.1	Auto			
18-Aug-12	0.8	Auto			
19-Aug-12	0.8	Auto			
20-Aug-12	1.0	Auto			
21-Aug-12	0.9	Auto			
22-Aug-12	0.9	Auto			
23-Aug-12	1.1	Auto			
24-Aug-12					
25-Aug-12	1.5	Auto			
26-Aug-12	1.2	Auto			
27-Aug-12	1.3	Auto			
28-Aug-12	1.1	Auto			
29-Aug-12	1.5	Auto			
30-Aug-12	1.4	Auto			
31-Aug-12	1.0	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-12					
02-Sep-12					
03-Sep-12					
04-Sep-12					
05-Sep-12					
06-Sep-12	0.7	Auto			
07-Sep-12	1.1	Auto			
08-Sep-12	0.8	Auto			
09-Sep-12					
10-Sep-12					
11-Sep-12					
12-Sep-12					
13-Sep-12					
14-Sep-12					
15-Sep-12					
16-Sep-12					
17-Sep-12					
18-Sep-12					
19-Sep-12					
20-Sep-12					
21-Sep-12					
22-Sep-12					
23-Sep-12					
24-Sep-12					
25-Sep-12					
26-Sep-12					
27-Sep-12					
28-Sep-12					
29-Sep-12					
30-Sep-12					

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Sep-12	1.1	Auto			
02-Sep-12	1.2	Auto			
03-Sep-12	1.2	Auto			
04-Sep-12	1.1	Auto			
05-Sep-12	1.3	Auto			
06-Sep-12					
07-Sep-12					
08-Sep-12					
09-Sep-12	0.8	Auto			
10-Sep-12	1.5	Auto			
11-Sep-12	0.9	Auto			
12-Sep-12	1.4	Auto			
13-Sep-12	1.0	Auto			
14-Sep-12	1.6	Manual			
15-Sep-12	1.0	Manual			
16-Sep-12	1.0	Manual			
17-Sep-12	1.5	Auto			
18-Sep-12	1.2	Auto			
19-Sep-12	1.1	Auto			
20-Sep-12	0.9	Auto			
21-Sep-12	1.3	Auto			
22-Sep-12	1.3	Auto			
23-Sep-12	1.5	Auto			
24-Sep-12	1.0	Auto			
25-Sep-12	1.1	Auto			
26-Sep-12	0.9	Auto			
27-Sep-12	1.1	Auto			
28-Sep-12	1.2	Auto			
29-Sep-12	1.4	Auto			
30-Sep-12	1.6	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-12					
02-Oct-12					
03-Oct-12					
04-Oct-12					
05-Oct-12	1.2	Auto			
06-Oct-12					
07-Oct-12					
08-Oct-12					
09-Oct-12					
10-Oct-12	1.0	Auto			
11-Oct-12	1.1	Auto			
12-Oct-12	1.2	Auto			
13-Oct-12					
14-Oct-12					
15-Oct-12					
16-Oct-12					
17-Oct-12					
18-Oct-12					
19-Oct-12					
20-Oct-12					
21-Oct-12					
22-Oct-12					
23-Oct-12					
24-Oct-12					
25-Oct-12					
26-Oct-12	1.0	Manual			
27-Oct-12	0.7	Auto			
28-Oct-12	0.8	Auto			
29-Oct-12	1.3	Auto			
30-Oct-12	1.0	Auto			
31-Oct-12	0.9	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Oct-12	1.6	Auto			
02-Oct-12	1.3	Auto			
03-Oct-12	0.8	Auto			
04-Oct-12	1.1	Auto			
05-Oct-12					
06-Oct-12	1.4	Auto			
07-Oct-12	2.0	Auto			
08-Oct-12	1.5	Auto			
09-Oct-12	1.7	Auto			
10-Oct-12					
11-Oct-12					
12-Oct-12					
13-Oct-12	1.0	Auto			
14-Oct-12	1.3	Auto			
15-Oct-12	1.2	Auto			
16-Oct-12	1.1	Auto			
17-Oct-12	1.1	Auto			
18-Oct-12	1.1	Auto			
19-Oct-12	1.0	Auto			
20-Oct-12	1.3	Auto			
21-Oct-12	1.4	Auto			
22-Oct-12	1.4	Auto			
23-Oct-12	1.1	Auto			
24-Oct-12	1.6	Auto			
25-Oct-12	1.3	Auto			
26-Oct-12					
27-Oct-12					
28-Oct-12					
29-Oct-12					
30-Oct-12					
31-Oct-12					

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-12	1.2	Auto			
02-Nov-12	0.6	Auto			
03-Nov-12					
04-Nov-12					
05-Nov-12					
06-Nov-12					
07-Nov-12					
08-Nov-12					
09-Nov-12					
10-Nov-12					
11-Nov-12					
12-Nov-12					
13-Nov-12					
14-Nov-12					
15-Nov-12					
16-Nov-12					
17-Nov-12					
18-Nov-12					
19-Nov-12	0.1	Auto			
20-Nov-12	0.1	Auto			
21-Nov-12	0.1	Auto			
22-Nov-12	2.6	Manual			
23-Nov-12	0.1	Auto			
24-Nov-12	0.1	Auto			
25-Nov-12	2.3	Manual			
26-Nov-12	0.2	Auto			
27-Nov-12	0.5	Auto			
28-Nov-12	3.7	Auto			
29-Nov-12	0.5	Auto			
30-Nov-12	1.8	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Nov-12					
02-Nov-12					
03-Nov-12	1.0	Auto			
04-Nov-12	1.3	Auto			
05-Nov-12	1.1	Auto			
06-Nov-12	1.4	Auto			
07-Nov-12	1.4	Auto			
08-Nov-12	1.5	Auto			
09-Nov-12	1.6	Auto			
10-Nov-12	1.0	Auto			
11-Nov-12	1.4	Auto			
12-Nov-12	1.7	Auto			
13-Nov-12	1.4	Auto			
14-Nov-12	1.1	Auto			
15-Nov-12	1.2	Auto			
16-Nov-12	1.4	Auto			
17-Nov-12	1.0	Auto			
18-Nov-12	1.3	Auto			
19-Nov-12					
20-Nov-12					
21-Nov-12					
22-Nov-12					
23-Nov-12					
24-Nov-12					
25-Nov-12					
26-Nov-12					
27-Nov-12					
28-Nov-12					
29-Nov-12					
30-Nov-12					

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-12	0.7	Auto			
02-Dec-12					
03-Dec-12					
04-Dec-12					
05-Dec-12					
06-Dec-12					
07-Dec-12					
08-Dec-12					
09-Dec-12					
10-Dec-12					
11-Dec-12					
12-Dec-12					
13-Dec-12	0.6	Auto			
14-Dec-12	3.6	Auto			
15-Dec-12	3.5	Auto			
16-Dec-12	0.9	Auto			
17-Dec-12	0.5	Auto			
18-Dec-12	0.8	Auto			
19-Dec-12	3.8	Auto			
20-Dec-12	3.4	Auto			
21-Dec-12	5.8	Auto			
22-Dec-12	5.2	Auto			
23-Dec-12	3.7	Auto			
24-Dec-12	7.2	Auto			
25-Dec-12	4.6	Auto			
26-Dec-12	3.6	Auto			
27-Dec-12	5.5	Auto			
28-Dec-12	3.5	Auto			
29-Dec-12	1.5	Auto			
30-Dec-12	8.8	Auto			
31-Dec-12	4.7	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Dec-12					
02-Dec-12	1.1	Auto			
03-Dec-12	1.4	Auto			
04-Dec-12	1.0	Auto			
05-Dec-12	1.1	Auto			
06-Dec-12	1.5	Auto			
07-Dec-12	1.3	Auto			
08-Dec-12	1.5	Auto			
09-Dec-12	1.6	Auto			
10-Dec-12	2.0	Auto			
11-Dec-12	1.1	Auto			
12-Dec-12	1.3	Auto			
13-Dec-12					
14-Dec-12					
15-Dec-12					
16-Dec-12					
17-Dec-12					
18-Dec-12					
19-Dec-12					
20-Dec-12					
21-Dec-12					
22-Dec-12					
23-Dec-12					
24-Dec-12					
25-Dec-12					
26-Dec-12					
27-Dec-12					
28-Dec-12					
29-Dec-12					
30-Dec-12					
31-Dec-12					

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-13	5.2	Auto			
02-Jan-13	1.9	Auto			
03-Jan-13	5.2	Auto			
04-Jan-13	4.3	Auto			
05-Jan-13	3.6	Auto			
06-Jan-13	3.5	Auto			
07-Jan-13	5.5	Auto			
08-Jan-13	2.6	Auto			
09-Jan-13	6.1	Auto			
10-Jan-13	4.2	Auto			
11-Jan-13	17.8	Auto			
12-Jan-13	10.8	Auto			
13-Jan-13	8.1	Auto			
14-Jan-13	7.5	Auto			
15-Jan-13	6.8	Auto			
16-Jan-13	3.5	Auto			
17-Jan-13	3.4	Auto			
18-Jan-13	0.3	Auto			
19-Jan-13	0.3	Auto			
20-Jan-13	3.2	Auto			
21-Jan-13	1.5	Auto			
22-Jan-13	2.6	Auto			
23-Jan-13	1.1	Auto			
24-Jan-13	7.8	Auto			
25-Jan-13	3.1	Auto			
26-Jan-13	3.4	Auto			
27-Jan-13	1.2	Auto			
28-Jan-13	3.0	Auto			
29-Jan-13	2.6	Auto			
30-Jan-13	1.5	Auto			
31-Jan-13	3.6	Auto			

Engine #2

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

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-13					
02-Feb-13					
03-Feb-13					
04-Feb-13					
05-Feb-13					
06-Feb-13					
07-Feb-13					
08-Feb-13					
09-Feb-13					
10-Feb-13					
11-Feb-13					
12-Feb-13					
13-Feb-13					
14-Feb-13					
15-Feb-13					
16-Feb-13	2.3	Manual			
17-Feb-13	8.6	Manual			
18-Feb-13					
19-Feb-13					
20-Feb-13					
21-Feb-13					
22-Feb-13					
23-Feb-13					
24-Feb-13	1.2	Auto			
25-Feb-13	2.5	Auto			
26-Feb-13	2.0	Auto			
27-Feb-13	1.8	Auto			
28-Feb-13	1.4	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Feb-13	1.2	Auto			
02-Feb-13	1.0	Auto			
03-Feb-13	1.6	Auto			
04-Feb-13	1.1	Auto			
05-Feb-13	1.3	Auto			
06-Feb-13	1.1	Auto			
07-Feb-13	1.4	Auto			
08-Feb-13	1.7	Auto			
09-Feb-13	1.4	Auto			
10-Feb-13	1.6	Auto			
11-Feb-13	1.5	Auto			
12-Feb-13	1.3	Auto			
13-Feb-13	1.6	Auto			
14-Feb-13	1.2	Auto			
15-Feb-13	1.4	Auto			
16-Feb-13					
17-Feb-13					
18-Feb-13	1.9	Auto			
19-Feb-13	1.3	Auto			
20-Feb-13	1.5	Auto			
21-Feb-13	1.3	Auto			
22-Feb-13	1.5	Auto			
23-Feb-13	1.6	Auto			
24-Feb-13					
25-Feb-13					
26-Feb-13					
27-Feb-13					
28-Feb-13					

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-13	2.1	Auto			
02-Mar-13	3.3	Auto			
03-Mar-13	1.6	Auto			
04-Mar-13	1.9	Auto			
05-Mar-13	2.2	Auto			
06-Mar-13	2.5	Auto			
07-Mar-13	2.5	Auto			
08-Mar-13	4.2	Auto			
09-Mar-13	3.2	Auto			
10-Mar-13	4.6	Auto			
11-Mar-13	5.2	Auto			
12-Mar-13	3.0	Auto			
13-Mar-13	3.4	Auto			
14-Mar-13	5.0	Manual	5hr 30min	AFRC needed adjustment	Adjusted AFRC, manual test passed.
15-Mar-13					
16-Mar-13					
17-Mar-13					
18-Mar-13					
19-Mar-13					
20-Mar-13					
21-Mar-13					
22-Mar-13					
23-Mar-13					
24-Mar-13					
25-Mar-13					
26-Mar-13					
27-Mar-13					
28-Mar-13					
29-Mar-13					
30-Mar-13	2.8	Auto			
31-Mar-13	3.0	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Mar-13					
02-Mar-13					
03-Mar-13					
04-Mar-13					
05-Mar-13					
06-Mar-13					
07-Mar-13					
08-Mar-13					
09-Mar-13					
10-Mar-13					
11-Mar-13					
12-Mar-13					
13-Mar-13					
14-Mar-13					
15-Mar-13	2.6	Auto			
16-Mar-13	1.8	Auto			
17-Mar-13	1.4	Auto			
18-Mar-13	1.4	Auto			
19-Mar-13	1.4	Auto			
20-Mar-13	2.4	Auto			
21-Mar-13	1.7	Auto			
22-Mar-13	2.3	Auto			
23-Mar-13	1.5	Auto			
24-Mar-13	1.8	Auto			
25-Mar-13	2.6	Auto			
26-Mar-13	3.5	Auto			
27-Mar-13	2.2	Auto			
28-Mar-13	2.1	Auto			
29-Mar-13	1.5	Auto			
30-Mar-13					
31-Mar-13					

NO_x Limit is 25 PPM at 15% O₂

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

Water Flood 1 CAM Testing

Engine #1		Engine #2	
Test Date	Test Avg	Test Date	Test Avg
01-Apr-12	12.1	01-Apr-12	8.0
02-Apr-12	12.5	02-Apr-12	8.8
03-Apr-12	12.2	03-Apr-12	7.5
04-Apr-12	12.6	04-Apr-12	7.8
05-Apr-12	12.4	05-Apr-12	8.3
06-Apr-12	13.1	06-Apr-12	7.9
07-Apr-12	12.4	07-Apr-12	8.6
08-Apr-12	13.8	08-Apr-12	9.2
09-Apr-12	13.6	09-Apr-12	8.1
10-Apr-12	13.3	10-Apr-12	8.2
11-Apr-12	12.1	11-Apr-12	6.8
12-Apr-12	13.3	12-Apr-12	7.2
13-Apr-12	11.3	13-Apr-12	7.0
14-Apr-12	13.0	14-Apr-12	8.0
15-Apr-12	12.9	15-Apr-12	7.8
16-Apr-12	13.3	16-Apr-12	6.7
17-Apr-12	12.7	17-Apr-12	7.2
18-Apr-12	10.7	18-Apr-12	6.5
19-Apr-12	11.8	19-Apr-12	6.5
20-Apr-12	11.9	20-Apr-12	7.0
21-Apr-12	12.1	21-Apr-12	6.3
22-Apr-12	12.8	22-Apr-12	6.2
23-Apr-12	12.1	23-Apr-12	6.5
24-Apr-12	12.2	24-Apr-12	9.6
25-Apr-12	13.4	25-Apr-12	9.3
26-Apr-12	13.5	26-Apr-12	9.5
27-Apr-12	14.5	27-Apr-12	9.7
28-Apr-12	13.9	28-Apr-12	9.6
29-Apr-12	14.2	29-Apr-12	9.2
30-Apr-12	13.4	30-Apr-12	8.8

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-12	14.1	Auto			
02-May-12	13.8	Auto			
03-May-12	14.0	Auto			
04-May-12	15.7	Auto			
05-May-12	14.7	Auto			
06-May-12	14.5	Auto			
07-May-12	14.3	Auto			
08-May-12	14.2	Auto			
09-May-12	14.3	Auto			
10-May-12	14.6	Auto			
11-May-12	13.9	Auto			
12-May-12	14.5	Auto			
13-May-12	14.5	Auto			
14-May-12	14.8	Auto			
15-May-12	14.8	Auto			
16-May-12	15.4	Auto			
17-May-12	14.6	Auto			
18-May-12	15.1	Auto			
19-May-12	9.8	Auto			
20-May-12	8.6	Auto			
21-May-12	8.0	Auto			
22-May-12	8.2	Auto			
23-May-12	8.1	Auto			
24-May-12	8.3	Auto			
25-May-12	8.0	Auto			
26-May-12	11.9	Auto			
27-May-12	10.4	Auto			
28-May-12	9.6	Auto			
29-May-12	9.2	Auto			
30-May-12	9.2	Auto			
31-May-12	9.4	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-May-12	9.2	Auto			
02-May-12	9.6	Auto			
03-May-12	9.9	Auto			
04-May-12	9.6	Auto			
05-May-12	9.8	Auto			
06-May-12	9.4	Auto			
07-May-12	9.1	Auto			
08-May-12	9.2	Auto			
09-May-12	9.2	Auto			
10-May-12	8.9	Auto			
11-May-12	8.8	Auto			
12-May-12	9.2	Auto			
13-May-12	9.3	Auto			
14-May-12	10.1	Auto			
15-May-12	9.9	Auto			
16-May-12	8.9	Auto			
17-May-12	9.0	Auto			
18-May-12	9.1	Auto			
19-May-12	9.4	Auto			
20-May-12	9.6	Auto			
21-May-12	10.0	Auto			
22-May-12	9.1	Auto			
23-May-12	9.4	Auto			
24-May-12	9.4	Auto			
25-May-12	9.2	Auto			
26-May-12	10.2	Auto			
27-May-12	10.1	Auto			
28-May-12	9.7	Auto			
29-May-12	9.8	Auto			
30-May-12	9.7	Auto			
31-May-12	9.9	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-Jun-12	8.4	Auto			
02-Jun-12	7.8	Auto			
03-Jun-12	7.1	Auto			
04-Jun-12	7.2	Auto			
05-Jun-12	7.3	Auto			
06-Jun-12	8.8	Auto			
07-Jun-12	6.9	Auto			
08-Jun-12	5.3	Auto			
09-Jun-12	2.8	Auto			
10-Jun-12	4.7	Auto			
11-Jun-12	3.0	Auto			
12-Jun-12	2.5	Auto			
13-Jun-12	3.5	Auto			
14-Jun-12	2.2	Auto			
15-Jun-12	4.3	Auto			
16-Jun-12	4.3	Auto			
17-Jun-12	4.5	Auto			
18-Jun-12	3.3	Auto			
19-Jun-12	4.9	Auto			
20-Jun-12	4.5	Auto			
21-Jun-12	4.6	Auto			
22-Jun-12	6.3	Auto			
23-Jun-12	5.3	Auto			
24-Jun-12	5.2	Auto			
25-Jun-12	7.8	Auto			
26-Jun-12	3.5	Auto			
27-Jun-12	2.3	Auto			
28-Jun-12	9.4	Auto			
29-Jun-12	7.2	Auto			
30-Jun-12	6.6	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jun-12	9.9	Auto			
02-Jun-12	9.4	Auto			
03-Jun-12	8.9	Auto			
04-Jun-12	9.1	Auto			
05-Jun-12	10.8	Auto			
06-Jun-12	17.4	Auto			
07-Jun-12	13.9	Auto			
08-Jun-12	11.9	Auto			
09-Jun-12	10.8	Auto			
10-Jun-12	10.8	Auto			
11-Jun-12	10.2	Auto			
12-Jun-12	10.0	Auto			
13-Jun-12	10.3	Auto			
14-Jun-12	10.5	Auto			
15-Jun-12	11.3	Auto			
16-Jun-12	10.9	Auto			
17-Jun-12	11.6	Auto			
18-Jun-12	12.3	Auto			
19-Jun-12	15.8	Auto			
20-Jun-12	14.2	Auto			
21-Jun-12	14.3	Auto			
22-Jun-12	13.1	Auto			
23-Jun-12	14.6	Auto			
24-Jun-12	13.8	Auto			
25-Jun-12	14.9	Auto			
26-Jun-12	13.7	Auto			
27-Jun-12	13.6	Auto			
28-Jun-12	17.5	Auto			
29-Jun-12	15.4	Auto			
30-Jun-12	14.2	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-12	9.5	Auto			
02-Jul-12	10.0	Auto			
03-Jul-12	3.3	Auto			
04-Jul-12	2.6	Auto			
05-Jul-12	2.4	Auto			
06-Jul-12	4.4	Auto			
07-Jul-12	5.4	Auto			
08-Jul-12	6.2	Auto			
09-Jul-12	8.0	Auto			
10-Jul-12	19.7	Manual		New Testo unit being installed, manual test ran instead.	
11-Jul-12	19.7	Manual		New Testo unit being installed, manual test ran instead.	
12-Jul-12	18.6	Manual			
13-Jul-12	18.9	Auto			
14-Jul-12	19.6	Auto			
15-Jul-12	19.9	Auto			
16-Jul-12	20.6	Auto			
17-Jul-12	21.3	Auto			
18-Jul-12	19.6	Auto			
19-Jul-12	20.6	Auto			
20-Jul-12	20.6	Auto			
21-Jul-12	21.0	Auto			
22-Jul-12	20.5	Auto			
23-Jul-12	11.2	Auto			
24-Jul-12	9.8	Auto			
25-Jul-12	10.2	Auto			
26-Jul-12	9.7	Auto			
27-Jul-12	10.0	Auto			
28-Jul-12	9.9	Auto			
29-Jul-12	9.8	Auto			
30-Jul-12	9.9	Auto			
31-Jul-12	9.9	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Jul-12	16.6	Auto			
02-Jul-12	17.1	Auto			
03-Jul-12	14.0	Auto			
04-Jul-12	12.8	Auto			
05-Jul-12	13.0	Auto			
06-Jul-12	13.5	Auto			
07-Jul-12	13.1	Auto			
08-Jul-12	15.5	Auto			
09-Jul-12	16.4	Auto			
10-Jul-12	19.3	Manual		New Testo unit being installed, manual test ran instead.	
11-Jul-12	12.3	Manual		New Testo unit being installed, manual test ran instead.	
12-Jul-12	12.0	Manual			
13-Jul-12	13.8	Auto			
14-Jul-12	14.8	Auto			
15-Jul-12	14.5	Auto			
16-Jul-12	14.3	Auto			
17-Jul-12	14.3	Auto			
18-Jul-12	14.7	Auto			
19-Jul-12	14.5	Auto			
20-Jul-12	13.8	Auto			
21-Jul-12	14.9	Auto			
22-Jul-12	14.7	Auto			
23-Jul-12	14.6	Auto			
24-Jul-12	14.3	Auto			
25-Jul-12	14.4	Auto			
26-Jul-12	13.7	Auto			
27-Jul-12	13.9	Auto			
28-Jul-12	13.6	Auto			
29-Jul-12	14.1	Auto			
30-Jul-12	14.7	Auto			
31-Jul-12	15.5	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-12	9.5	Auto			
02-Aug-12	10.0	Auto			
03-Aug-12	10.5	Auto			
04-Aug-12	10.8	Auto			
05-Aug-12	11.2	Auto			
06-Aug-12	10.5	Auto			
07-Aug-12	10.1	Auto			
08-Aug-12	10.0	Auto			
09-Aug-12	10.2	Auto			
10-Aug-12	10.2	Auto			
11-Aug-12	10.7	Auto			
12-Aug-12	10.5	Auto			
13-Aug-12	10.4	Auto			
14-Aug-12	10.5	Auto			
15-Aug-12	10.6	Auto			
16-Aug-12	10.4	Auto			
17-Aug-12	10.7	Auto			
18-Aug-12	10.5	Auto			
19-Aug-12	10.8	Auto			
20-Aug-12	11.1	Auto			
21-Aug-12	10.9	Auto			
22-Aug-12	10.9	Auto			
23-Aug-12	11.0	Auto			
24-Aug-12	23.0	Manual	6hr 42min	High NOx after shutdown	Replaced catalytic converter, manual test passed.
25-Aug-12	4.2	Auto			
26-Aug-12	4.3	Auto			
27-Aug-12	4.4	Auto			
28-Aug-12	4.5	Auto			
29-Aug-12	4.2	Auto			
30-Aug-12	4.4	Auto			
31-Aug-12	4.3	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Aug-12	16.6	Auto			
02-Aug-12	17.1	Auto			
03-Aug-12	14.3	Auto			
04-Aug-12	11.9	Auto			
05-Aug-12	12.2	Auto			
06-Aug-12	11.6	Auto			
07-Aug-12	11.9	Auto			
08-Aug-12	11.1	Auto			
09-Aug-12	11.3	Auto			
10-Aug-12	11.2	Auto			
11-Aug-12	8.6	Auto			
12-Aug-12	9.0	Auto			
13-Aug-12	7.6	Auto			
14-Aug-12	6.9	Auto			
15-Aug-12	6.0	Auto			
16-Aug-12	6.5	Auto			
17-Aug-12	7.4	Auto			
18-Aug-12	7.1	Auto			
19-Aug-12	6.8	Auto			
20-Aug-12	7.4	Auto			
21-Aug-12	5.9	Auto			
22-Aug-12	6.2	Auto			
23-Aug-12	6.0	Auto			
24-Aug-12	16.0	Manual	6hr 15min	High NOx after shutdown	Replaced catalytic converter, manual test passed.
25-Aug-12	3.1	Auto			
26-Aug-12	5.1	Auto			
27-Aug-12	7.4	Auto			
28-Aug-12	9.1	Auto			
29-Aug-12	7.8	Auto			
30-Aug-12	7.2	Auto			
31-Aug-12	6.3	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-Sep-12	4.2	Auto			
02-Sep-12	4.2	Auto			
03-Sep-12	4.0	Auto			
04-Sep-12	4.0	Auto			
05-Sep-12	4.1	Auto			
06-Sep-12	3.9	Auto			
07-Sep-12	3.7	Auto			
08-Sep-12	3.9	Auto			
09-Sep-12	4.0	Auto			
10-Sep-12	4.0	Auto			
11-Sep-12	4.0	Auto			
12-Sep-12	3.9	Auto			
13-Sep-12	3.8	Auto			
14-Sep-12	4.0	Auto			
15-Sep-12	4.3	Auto			
16-Sep-12	4.3	Auto			
17-Sep-12	4.2	Auto			
18-Sep-12	4.3	Auto			
19-Sep-12	4.6	Auto			
20-Sep-12	4.4	Auto			
21-Sep-12	4.3	Auto			
22-Sep-12	4.5	Auto			
23-Sep-12	4.5	Auto			
24-Sep-12	4.6	Auto			
25-Sep-12	3.6	Auto			
26-Sep-12	4.8	Auto			
27-Sep-12	4.8	Auto			
28-Sep-12	4.8	Auto			
29-Sep-12	5.1	Auto			
30-Sep-12	5.0	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Sep-12	3.0	Auto			
02-Sep-12	4.0	Auto			
03-Sep-12	3.7	Auto			
04-Sep-12	4.4	Auto			
05-Sep-12	4.1	Auto			
06-Sep-12	6.5	Auto			
07-Sep-12	5.5	Auto			
08-Sep-12	7.4	Auto			
09-Sep-12	10.7	Auto			
10-Sep-12	11.1	Auto			
11-Sep-12	13.0	Auto			
12-Sep-12	10.1	Auto			
13-Sep-12	9.3	Auto			
14-Sep-12	9.5	Auto			
15-Sep-12	10.0	Auto			
16-Sep-12	9.5	Auto			
17-Sep-12	8.3	Auto			
18-Sep-12	9.9	Auto			
19-Sep-12	9.8	Auto			
20-Sep-12	9.0	Auto			
21-Sep-12	8.7	Auto			
22-Sep-12	8.7	Auto			
23-Sep-12	8.8	Auto			
24-Sep-12	8.8	Auto			
25-Sep-12	8.9	Auto			
26-Sep-12	6.9	Auto			
27-Sep-12	7.2	Auto			
28-Sep-12	7.0	Auto			
29-Sep-12	7.4	Auto			
30-Sep-12	7.5	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-Oct-12	5.2	Auto			
02-Oct-12	5.5	Auto			
03-Oct-12	5.4	Auto			
04-Oct-12	5.9	Auto			
05-Oct-12	7.7	Auto			
06-Oct-12	7.3	Auto			
07-Oct-12	7.0	Auto			
08-Oct-12	7.3	Auto			
09-Oct-12	7.7	Auto			
10-Oct-12	7.4	Auto			
11-Oct-12	8.2	Auto			
12-Oct-12	8.9	Auto			
13-Oct-12	8.5	Auto			
14-Oct-12	8.8	Auto			
15-Oct-12	8.6	Auto			
16-Oct-12	9.3	Auto			
17-Oct-12	9.0	Auto			
18-Oct-12	12.0	Auto			
19-Oct-12	18.0	Auto			
20-Oct-12	14.3	Auto			
21-Oct-12	13.5	Auto			
22-Oct-12	12.3	Auto			
23-Oct-12	17.3	Auto			
24-Oct-12	17.7	Manual			
25-Oct-12	18.8	Auto			
26-Oct-12	18.0	Auto			
27-Oct-12	18.9	Auto			
28-Oct-12	19.7	Auto			
29-Oct-12	21.0	Auto			
30-Oct-12	21.8	Auto			
31-Oct-12	21.4	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Oct-12	10.4	Auto			
02-Oct-12	10.2	Auto			
03-Oct-12	8.6	Auto			
04-Oct-12	10.0	Auto			
05-Oct-12	6.5	Auto			
06-Oct-12	7.1	Auto			
07-Oct-12	2.3	Auto			
08-Oct-12	6.6	Auto			
09-Oct-12	6.9	Auto			
10-Oct-12	7.6	Auto			
11-Oct-12	9.5	Auto			
12-Oct-12	13.9	Auto			
13-Oct-12	15.2	Auto			
14-Oct-12	13.3	Auto			
15-Oct-12	15.3	Auto			
16-Oct-12	15.0	Auto			
17-Oct-12	12.1	Auto			
18-Oct-12	8.8	Auto			
19-Oct-12	7.3	Auto			
20-Oct-12	6.5	Auto			
21-Oct-12	6.5	Auto			
22-Oct-12	7.7	Auto			
23-Oct-12	8.4	Auto			
24-Oct-12	11.1	Auto			
25-Oct-12	13.6	Auto			
26-Oct-12	10.2	Auto			
27-Oct-12	11.2	Auto			
28-Oct-12	11.4	Auto			
29-Oct-12	9.9	Auto			
30-Oct-12	9.8	Auto			
31-Oct-12	11.1	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-Nov-12	20.4	Auto			
02-Nov-12	19.8	Auto			
03-Nov-12	20.5	Auto			
04-Nov-12	21.2	Auto			
05-Nov-12	21.2	Auto			
06-Nov-12	21.7	Auto			
07-Nov-12	down				
08-Nov-12	down				
09-Nov-12	down				
10-Nov-12	down				
11-Nov-12	down				
12-Nov-12	down				
13-Nov-12	down				
14-Nov-12	down				
15-Nov-12	down				
16-Nov-12	down				
17-Nov-12	down				
18-Nov-12	down				
19-Nov-12	down				
20-Nov-12	down				
21-Nov-12	down				
22-Nov-12	down				
23-Nov-12	down				
24-Nov-12	down				
25-Nov-12	down				
26-Nov-12	down				
27-Nov-12	down				
28-Nov-12	down				
29-Nov-12	down				
30-Nov-12	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Nov-12	11.8	Auto			
02-Nov-12	11.0	Auto			
03-Nov-12	11.5	Auto			
04-Nov-12	16.8	Auto			
05-Nov-12	19.5	Auto			
06-Nov-12	17.8	Auto			
07-Nov-12	down				
08-Nov-12	down				
09-Nov-12	down				
10-Nov-12	down				
11-Nov-12	down				
12-Nov-12	down				
13-Nov-12	down				
14-Nov-12	down				
15-Nov-12	down				
16-Nov-12	down				
17-Nov-12	down				
18-Nov-12	down				
19-Nov-12	down				
20-Nov-12	down				
21-Nov-12	down				
22-Nov-12	down				
23-Nov-12	down				
24-Nov-12	down				
25-Nov-12	down				
26-Nov-12	down				
27-Nov-12	down				
28-Nov-12	down				
29-Nov-12	down				
30-Nov-12	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-12	down				
02-Dec-12	down				
03-Dec-12	down				
04-Dec-12	down				
05-Dec-12	down				
06-Dec-12	down				
07-Dec-12	down				
08-Dec-12	down				
09-Dec-12	down				
10-Dec-12	down				
11-Dec-12	5.5	Auto			
12-Dec-12	5.8	Auto			
13-Dec-12	4.8	Auto			
14-Dec-12	5.3	Auto			
15-Dec-12	5.7	Auto			
16-Dec-12	5.8	Auto			
17-Dec-12	5.6	Auto			
18-Dec-12	5.5	Auto			
19-Dec-12	7.0	Auto			
20-Dec-12	7.7	Auto			
21-Dec-12	7.8	Auto			
22-Dec-12	7.3	Auto			
23-Dec-12	6.8	Auto			
24-Dec-12	6.5	Auto			
25-Dec-12	6.8	Auto			
26-Dec-12	7.2	Auto			
27-Dec-12	7.1	Auto			
28-Dec-12	7.1	Auto			
29-Dec-12	7.3	Auto			
30-Dec-12	7.4	Auto			
31-Dec-12	7.8	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Dec-12	down				
02-Dec-12	down				
03-Dec-12	down				
04-Dec-12	down				
05-Dec-12	down				
06-Dec-12	down				
07-Dec-12	down				
08-Dec-12	down				
09-Dec-12	down				
10-Dec-12	down				
11-Dec-12	2.0	Manual			
12-Dec-12	3.0	Manual			
13-Dec-12	3.3	Auto			
14-Dec-12	3.9	Auto			
15-Dec-12	3.7	Auto			
16-Dec-12	3.4	Auto			
17-Dec-12	3.0	Auto			
18-Dec-12	2.9	Auto			
19-Dec-12	3.4	Auto			
20-Dec-12	4.1	Auto			
21-Dec-12	3.3	Auto			
22-Dec-12	3.5	Auto			
23-Dec-12	4.0	Auto			
24-Dec-12	3.3	Auto			
25-Dec-12	3.5	Auto			
26-Dec-12	3.3	Auto			
27-Dec-12	4.5	Auto			
28-Dec-12	4.2	Auto			
29-Dec-12	3.8	Auto			
30-Dec-12	4.3	Auto			
31-Dec-12	3.8	Auto			

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-Jan-13	8.0	Auto					01-Jan-13	3.7	Auto				
02-Jan-13	8.2	Auto					02-Jan-13	4.0	Auto				
03-Jan-13	8.9	Auto					03-Jan-13	3.4	Auto				
04-Jan-13	8.8	Auto					04-Jan-13	4.2	Auto				
05-Jan-13	8.7	Auto					05-Jan-13	3.6	Auto				
06-Jan-13	8.0	Auto					06-Jan-13	2.7	Auto				
07-Jan-13	8.1	Auto					07-Jan-13	3.5	Auto				
08-Jan-13	8.3	Auto					08-Jan-13	3.7	Auto				
09-Jan-13	8.3	Auto					09-Jan-13	3.8	Auto				
10-Jan-13	8.7	Auto					10-Jan-13	3.1	Auto				
11-Jan-13	9.0	Auto					11-Jan-13	4.1	Auto				
12-Jan-13	8.5	Auto					12-Jan-13	4.2	Auto				
13-Jan-13	8.4	Auto					13-Jan-13	4.9	Auto				
14-Jan-13	9.0	Auto					14-Jan-13	5.7	Auto				
15-Jan-13	8.7	Auto					15-Jan-13	4.3	Auto				
16-Jan-13	9.5	Auto					16-Jan-13	3.7	Auto				
17-Jan-13	9.5	Auto					17-Jan-13	3.6	Auto				
18-Jan-13	9.5	Auto					18-Jan-13	3.2	Auto				
19-Jan-13	9.7	Auto					19-Jan-13	2.9	Auto				
20-Jan-13	9.5	Auto					20-Jan-13	2.5	Auto				
21-Jan-13	9.9	Auto					21-Jan-13	2.7	Auto				
22-Jan-13	9.3	Auto					22-Jan-13	2.8	Auto				
23-Jan-13	9.8	Auto					23-Jan-13	2.6	Auto				
24-Jan-13	9.2	Auto					24-Jan-13	2.2	Auto				
25-Jan-13	8.9	Auto					25-Jan-13	2.2	Auto				
26-Jan-13	9.0	Auto					26-Jan-13	2.3	Auto				
27-Jan-13	down						27-Jan-13	down					
28-Jan-13	down						28-Jan-13	down					
29-Jan-13	down						29-Jan-13	down					
30-Jan-13	down						30-Jan-13	down					
31-Jan-13	down						31-Jan-13	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-13	down				
02-Feb-13	down				
03-Feb-13	down				
04-Feb-13	down				
05-Feb-13	down				
06-Feb-13	down				
07-Feb-13	down				
08-Feb-13	down				
09-Feb-13	down				
10-Feb-13	down				
11-Feb-13	down				
12-Feb-13	down				
13-Feb-13	down				
14-Feb-13	down				
15-Feb-13	down				
16-Feb-13	down				
17-Feb-13	down				
18-Feb-13	down				
19-Feb-13	down				
20-Feb-13	down				
21-Feb-13	down				
22-Feb-13	down				
23-Feb-13	down				
24-Feb-13	down				
25-Feb-13	down				
26-Feb-13	down				
27-Feb-13	down				
28-Feb-13	down				

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Feb-13	down				
02-Feb-13	down				
03-Feb-13	down				
04-Feb-13	down				
05-Feb-13	down				
06-Feb-13	down				
07-Feb-13	down				
08-Feb-13	down				
09-Feb-13	down				
10-Feb-13	down				
11-Feb-13	down				
12-Feb-13	down				
13-Feb-13	down				
14-Feb-13	down				
15-Feb-13	down				
16-Feb-13	down				
17-Feb-13	down				
18-Feb-13	down				
19-Feb-13	down				
20-Feb-13	down				
21-Feb-13	down				
22-Feb-13	down				
23-Feb-13	down				
24-Feb-13	down				
25-Feb-13	down				
26-Feb-13	down				
27-Feb-13	down				
28-Feb-13	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-13	down				
02-Mar-13	down				
03-Mar-13	down				
04-Mar-13	down				
05-Mar-13	down				
06-Mar-13	down				
07-Mar-13	down				
08-Mar-13	down				
09-Mar-13	down				
10-Mar-13	down				
11-Mar-13	down				
12-Mar-13	down				
13-Mar-13	down				
14-Mar-13	down				
15-Mar-13	down				
16-Mar-13	down				
17-Mar-13	down				
18-Mar-13	down				
19-Mar-13	down				
20-Mar-13	9.3	Manual			
21-Mar-13	10.0	Manual			
22-Mar-13	down				
23-Mar-13	down				
24-Mar-13	down				
25-Mar-13	down				
26-Mar-13	down				
27-Mar-13	down				
28-Mar-13	8.6	Manual			
29-Mar-13	9.8	Auto			
30-Mar-13	9.8	Auto			
31-Mar-13	10.1	Auto			

Engine #2

Test Date	Test Avg	Type	Duration	Cause	Corrective Action
01-Mar-13	down				
02-Mar-13	down				
03-Mar-13	down				
04-Mar-13	down				
05-Mar-13	down				
06-Mar-13	down				
07-Mar-13	down				
08-Mar-13	down				
09-Mar-13	down				
10-Mar-13	down				
11-Mar-13	down				
12-Mar-13	down				
13-Mar-13	down				
14-Mar-13	down				
15-Mar-13	down				
16-Mar-13	down				
17-Mar-13	down				
18-Mar-13	down				
19-Mar-13	down				
20-Mar-13	2.3	Manual			
21-Mar-13	3.0	Manual			
22-Mar-13	down				
23-Mar-13	down				
24-Mar-13	down				
25-Mar-13	down				
26-Mar-13	down				
27-Mar-13	down				
28-Mar-13	3.3	Manual			
29-Mar-13	2.7	Auto			
30-Mar-13	2.9	Auto			
31-Mar-13	3.0	Auto			

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 Filter No.	Pug No.	Engine I.D.: Waukesha 7042 GL										
Engine Water Pump Belt No. A209617	Fan Belt No. 5VX1800	Oil										
Year: 2012	Auxiliary Water Pump A199868 Fan 5VX1800 [3]											
Date:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PM Number:	1/5/2012 910607894	2/27/2012 910615907			5/23/2012		7/3/2012 910639300					12/17/2012 9106600523
Engine Oil Change	No	No				No	No					No
Engine Filter Change	Yes	No				Yes	Yes					Yes
Compressor Oil Change	No	No				No	No					No
Compressor Filter Change	Yes	No				Yes	Yes					Yes
Set Valves	Yes	No				Yes	Yes					Yes
Change Ignition Timer	No	No				No	Yes					No
Change Plugs	Yes	Yes				Yes	Yes					Yes
Set Timing	Yes	Yes				Yes	Yes					Yes
Change Air Filters	Yes	No				Yes	No					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 (Permit Limit: After 2000 hours)	817	920				929	929					1,579
Engine RPM	850	850				850	850					850
(Permit Limit: N/A)												
Other Notes/Corrections:	2000hr service	1000hr service			engine assessed during Quarterly Emission Screening Analysis - all systems ok		2000hr service					2000hr service
total engine hours runtime >	146,509	147,429					148,358					149,937
Operator Initials	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.	Plug No.	Fan Belt No. 5VX1800 Oil											
Engine Water Pump Belt No. A-168540	Year: 2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	3/20/2013												
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 assessed during Quarterly Emission Screening Analysis - all systems ok													
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. _____ Fan Belt No. 5VX1800 Oil Capacity _____ Gal.												
Plug No. RTM 77N												
Auxiliary Water Pump A199868												
Fan 5VX1800 [3]												
Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/23/2012				5/16/2012				9/19/2012		11/15/2012	
PM Number:	910608648				910633366							
Engine Oil Change	No				Yes							
Engine Filter Change	Yes				No							
Compressor Oil Change	No				No							
Compressor Filter Change	Yes				No							
Set Valves	Yes				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	No				No							
Change O2 Sensor	No				No							
Inspect Fuel Control Valve	Yes				Yes							
Clean Carburetor	No				No							
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)	924				505							
Engine RPM	850				850							
(Permit Limit: N/A)												
Other Notes/Corrections:												
Engine Overhauled 12/13/05	2000hr service				1000hr service							
110,729 Hrs.												
total engine hours runtime >	147,006				147,511							
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-102 Engine I.D.: Waukesha 7042 GL												
Oil Filter No.	P ug No. RTM 77N	FAN Belt No. 5VX1800	Oil Capacity _____ Gal.									
Engine Water Pump Belt No. A168540	Auxiliary Water Pump A199868A Fan 5VX1800 [3]											
Year: 2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:			3/20/2013									
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-103												
Oil Filter No.			P ug No. RTM77N .012			Fan Belt No. N/A			Oil Capacity _____ Gal.			
Engine I.D.: Waukesha 7042GL												
Fan 5VX1800 [3]												
Auxiliary Water Pump A199868												
Year: 2012												
Engine Water Pump Belt No. A209617												
Date:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1/9/2012				4/10/2012		6/6/2012			9/5/2012		11/15/2012	
PM Number:	910607891			910625802		910635825			910647027			
Engine Oil Change	No			No		No			No			
Engine Filter Change	Yes			No		Yes			No			
Compressor Oil Change	No			No		No			No			
Compressor Filter Change	Yes			No		Yes			No			
Set Valves	Yes			No		Yes			No			
Change Ignition Timer	No			No		No			No			
Change Plugs	Yes			Yes		Yes			Yes			
Set Timing	Yes			Yes		Yes			Yes			
Change Air Filters	Yes			No		Yes			No			
Change Pre-Air Filters	Yes			Yes		Yes			Yes			
Change Belts - Fan / Water Pump	No			No		No			No			
Check Safety Shutdowns	No			No		No			No			
Change Converter	No			No		No			No			
Change O2 Sensor	No			No		No			No			
Inspect Fuel Control Valve	Yes			Yes		Yes			Yes			
Clean Carburetor												
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)	739			923		851			1,032			
Engine RPM	850			850		850			850			
(Permit Limit: _____)												
Other Notes/Corrections:	2000 hr service			1000hr service		2000hr service			1000hr service		engine assessed during Quarterly Emission Screening Analysis - all systems ok	
total engine hours runtime >	143,638			144,561		145,412			146,444			
Operator Initials	DES			DES		DES			DES		DRD	
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Engine Water Pump Belt No. A168540	Auxiliary Water Pump A199868A	Fan Belt No. N/A Oil Capacity _____ Gal.											
Year: 2013		Fan 5VX1800 [3]											
Date:				3/26/2013									
PM Number:				910673478									
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 (Permit Limit: After 2000 hours)				2,840									
Engine RPM				875									
(Permit Limit: _____)													
Other Notes/Corrections:				2000hr service									
				149,284									
				DES									
Operator Initials													
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. _____ Oil Capacity _____ Gal.

Plug No. **RM-77N** Fan Belt No. **N/A** Auxiliary Water Pump **N/A** Fan **N/A**

Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/3/2012					7/27/2012			10/24/2012		
PM Number:										910647598		
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										No		
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)										850		
Engine RPM										850		
(Permit Limit: _____)												
Other Notes/Corrections:		engine assessed during Quarterly Emission Screening Analysis - all systems ok				Engine overhauled during 2nd Quarter	engine assessed during Quarterly Emission Screening Analysis - all systems ok				2000hr service	
total engine hours runtime >											27,072	
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												
Oil Filter No.	Plug No. RM-77N	FAN BEIT NO. N/A	Oil Capacity _____ Gal.									
Engine Water Pump Belt No. A-209617	Auxiliary Water Pump A-199868			Fan C-136								
Year: 2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/14/2013										
PM Number:		910667371										
Engine Oil Change		No										
Engine Filter Change		Yes										
Compressor Oil Change		No										
Compressor Filter Change		Yes										
Set Valves		Yes										
Change Ignition Timer												
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 (Permit Limit: After 2000 hours)		1,718										
Engine RPM		850										
(Permit Limit: _____)												
Other Notes/Corrections:												
total engine hours runtime >		28,790										
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												
Oil Filter No.	Plug No. RM-77N					Fan Belt No. N/A					Oil Capacity _____ Gal.	
Engine Water Pump Belt No.	Engine I.D.: Waukesha 5790GU											
Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/2/2012				6/5/2012		8/1/2012	9/6/2012	10/4/2012		
PM Number:		910602741				910633347		91063431	910642997			
Engine Oil Change		No				No		No	No			
Engine Filter Change		Yes				Yes		Yes	Yes			
Compressor Oil Change		No				No		No	No			
Compressor Filter Change		Yes				Yes		Yes	Yes			
Set Valves		Yes				Yes		Yes	Yes			
Change Ignition Timer		No				No		No	No			
Change Plugs		Yes				Yes		Yes	Yes			
Set Timing		Yes				Yes		Yes	Yes			
Change Air Filters		No				Yes		No	Yes			
Change Pre-Air Filters		Yes				Yes		Yes	Yes			
Change Belts - Fan / Water Pump		No				No		No	No			
Check Safety Shutdowns		No				No		No	No			
Change Converter		No				No		No	No			
Change O2 Sensor		No				No		No	No			
Inspect Fuel Control Valve		Yes				Yes		Yes	Yes			
Clean Carburetor		No				No		No	No			
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)		799				2,642		1,239	713			
Engine RPM		850				850		850	850			
(Permit Limit: _____)												
Other Notes/Corrections:		2000hr service				2000hr service		2000hr service	2000hr service	engine assessed during Quarterly Emission Screening Analysis - all systems ok.		
total engine hours runtime >						26,165		27,404	28,117			
Operator Initials		DES				DES		DES	DD	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													
Oil Filter No.	Plug No. RM-77N	Engine I.D.: Waukesha 5790GU											
Engine Water Pump Belt No. A-209617	Fan Belt No. N/A	Oil Capacity _____ Gal.											
Year: 2013		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/23/2013												
PM Number:	910656937												
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 (Permit Limit: After 2000 hours)	1,517												
Engine RPM	850												
(Permit Limit: _____)													
Other Notes/Corrections:	2000hr service												
total engine hours runtime >	29,634												
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.	Plug No. RTM77N	Fan Belt No. N/A		Oil Capacity _____ Gal.											
Engine Water Pump Belt No.: A168540	Qty. 2	Auxiliary Water Pump 3VX800		Qty. 2											
Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC			
Date:	1/4/2012				5/4/2012		7/30/2012			10/25/2012		12/3/2012			
PM Number:	910606930				910630336		910641380			910653456		910658388			
Engine Oil Change	No				No		No			No		No			
Engine Filter Change	Yes				Yes		Yes			Yes		Yes			
Compressor Oil Change	Yes				No		No			No		No			
Compressor Filter Change	Yes				Yes		Yes			Yes		Yes			
Set Valves	Yes				Yes		Yes			Yes		Yes			
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	Yes				No		Yes			Yes		Yes			
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															
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)	1,804				1,545		926			1,069		203			
Engine RPM	850				850		850			850		850			
(Permit Limit: _____)															
Other Notes/Corrections: engine overhaul 8/27/2010	2000hr service				2000hr service		2000hr service			2000hr service change #2 power head		1000hr service			
total engine hours runtime >	26,827				28,372		29,298			30,367		30,570			
Operator initials	DES				DES		DES			DES		DES			
Test Converter	Date														
	Result														
	Operator initials														

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

Engine Location: GP2 Unit C-201												
Oil Filter No.	P ug No. RTM77N			Fan Belt No. N/A			Engine I.D.: Waukesha F3521GL					
Engine Water Pump Belt No.: A1685-40	Qty. 2	Auxiliary Water Pump 3VX800			Qty. 2	Fan						
Year: 2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/7/2013	3/19/2013	4/18/2013								
PM Number:				910674647								
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	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 (Permit Limit: After 2000 hours)				1,991								
Engine RPM												
(Permit Limit: _____)												
Other Notes/Corrections:												
engine overhaul 8/27/2010				changed all plugs								
		engine assessed during Quarterly Emission Screening Analysis - all systems ok		2000hr service								
total engine hours runtime >												
Operator Initials		DES	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. A168540 Qty. 2	Auxiliary Water Pump 3VX800 Qty. 2			Fan N/A								
Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:			3/6/2012		5/24/2012		7/9/2012			10/3/2012		12/20/2012
PM Number:			910617192		910633347		910639267			910650506		910661977
Engine Oil Change			No		No		No			No		No
Engine Filter Change			Yes		Yes		Yes			Yes		Yes
Compressor Oil Change			No		No		No			No		No
Compressor Filter Change			Yes		Yes		Yes			Yes		Yes
Set Valves			Yes		Yes		Yes			Yes		Yes
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			Yes		No		No			Yes		Yes
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 (Permit Limit: After 2000 hours)			1,083		678		905			973		1,293
Engine RPM			850		850		850			850		850
(Permit Limit: _____)												
Other Notes/Corrections:			2000hr service		2000hr service		2000hr service			2000hr service		2000hr service
total engine hours runtime >			22,932		23,610		24,515			25,488		26,781
Operator Initials			DES		DES		DES			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 Water Pump Belt No. A168540 Qty. 2			Auxiliary Water Pump 3VX800 Qty. 2			Fan N/A						
Year: 2013												
Date:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PM Number:		2/7/2013 910667103	3/19/2013 910665922									
Engine Oil Change		No										
Engine Filter Change		No										
Compressor Oil Change		No										
Compressor Filter Change		No										
Set Valves		No										
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 (Permit Limit: After 2000 hours)		717										
Engine RPM		850										
(Permit Limit: _____)												
Other Notes/Corrections:			Engine overhaul - Valley Power									
total engine hours runtime >		27498	27,678									
Operator Initials		DES	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		Fan Belt No. N/A		Oil Capacity _____ Gal.		Engine I.D.: White Superior 8G825				
Engine Water Pump Belt No. B-66 [4]												
Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/3/2012		4/17/2012		6/27/2012		8/29/2012				12/12/2012
PM Number:				910622966		910638636		910646524				
Engine Oil Change				No		No		No				
Engine Filter Change				Yes		Yes		Yes				
Compressor Oil Change				N/A		No		No				
Compressor Filter Change				N/A		No		No				
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		No		Yes				
Change Pre-Air Filters				No		No		No				
Change Belts – Fan / Water Pump				No		Yes		No				
Check Safety Shutdowns				No		No		No				
Change Converter				No		No		No				
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)						1,503		1,483				
Engine RPM				806		806		806				
(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 >				68,438		69,941		71,424				
Operator Initials		DES		DES		DES		DES				DES
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 Filter No. _____ Plug No. D-14N _____ Oil Capacity _____ Gal.												
Fan Belt No. N/A												
Auxiliary Water Pump N/A												
Fan N/A												
Year: 2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/30/2013											
PM Number:	910666268											
Engine Oil Change	No											
Engine Filter Change	Yes											
Compressor Oil Change	No											
Compressor Filler Change	No											
Set Valves	Yes											
Change Ignition Timer	No											
Change Plugs	Yes											
Set Timing	Yes											
Change Air Filters	No											
Change Pre-Air Filters	No											
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 (Permit Limit: After 2000 hours)	2,735											
Engine RPM	806											
(Permit Limit: _____)												
Other Notes/Corrections:												
total engine hours runtime >	74,159											
Operator Initials	DES											
Test Converter	Date											
	Result											
	Operator Initials											

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

Engine Location: Waterflood 1-2												
Oil Filter No.	Plug No. D-14N			Fan Belt No. N/A			Oil Capacity _____ Gal.			Engine I.D.: White Superior 8G825		
Engine Water Pump Belt No. B-66 [4]												
Year: 2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:		2/3/2012		4/17/2012		6/27/2012		8/29/2012				12/12/2012
PM Number:				910622971		910638660		910646528				
Engine Oil Change				No		No		No				
Engine Filter Change				Yes		Yes		Yes				
Compressor Oil Change				N/A		No		No				
Compressor Filter Change				N/A		No		No				
Set Valves				Yes		Yes		Yes				
Change Ignition Timer				No		No		No				
Change Plugs				Yes		Yes		Yes				
Set Timing				Yes		Yes		Yes				
Change Air Filters				Yes		No		No				
Change Pre-Air Filters				Yes		No		No				
Change Belts - Fan / Water Pump				Yes		No		No				
Check Safety Shutdowns				No		No		No				
Change Converter				No		No		No				
Change O2 Sensor				No		No		No				
Inspect Fuel Control Valve				Yes		Yes		Yes				
Clean Carburetor												
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)						1,503		1,482				
Engine RPM				822		822		822				
(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 >				69,650		71,153		72,635				
Operator Initials		DES		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												
Oil Filter No.	Plug No. D-14N		Fan Belt No. N/A		Oil Capacity _____ Gal.		Engine I.D.: White Superior 8G825					
Engine Water Pump Belt No. B-66 [4]												
Year: 2013	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Date:	1/30/2013		3/20/2013									
PM Number:	910666272		900537449									
Engine Oil Change	Yes											
Engine Filter Change	Yes											
Compressor Oil Change	No											
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												
Run-Time Hours Since Last Service (Permit Limit: After 2000 hours)	2,734											
Engine RPM	822											
(Permit Limit: _____)												
Other Notes/Corrections:			replaced 8 power heads									
total engine hours runtime >	75,369		75,369									
Operator Initials	DES		DES									
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
04/28/12	No Smoke	No Smoke	No Smoke	No Smoke
05/29/12	No Smoke	No Smoke	No Smoke	No Smoke
06/26/12	No Smoke	No Smoke	No Smoke	No Smoke
07/31/12	No Smoke	No Smoke	No Smoke	No Smoke
08/06/12	No Smoke	No Smoke	No Smoke	No Smoke
09/21/12	No Smoke	No Smoke	No Smoke	No Smoke
11/01/12	No Smoke	No Smoke	No Smoke	No Smoke
12/03/12	No Smoke	No Smoke	No Smoke	No Smoke
12/27/12	No Smoke	No Smoke	No Smoke	No Smoke
01/30/13	No Smoke	No Smoke	No Smoke	No Smoke
02/28/13	No Smoke	No Smoke	No Smoke	No Smoke
03/11/13	No Smoke	No Smoke	No Smoke	No Smoke

Gas Plant 7

Date	High Pressure Flare	Low Pressure Flare	Heater 601A/602*
04/27/12	No Smoke	No Smoke	No Smoke
05/25/12	No Smoke	No Smoke	No Smoke
06/26/12	No Smoke	No Smoke	No Smoke
07/29/12	No Smoke	No Smoke	No Smoke
08/26/12	No Smoke	No Smoke	No Smoke
09/27/12	No Smoke	No Smoke	No Smoke
10/23/12	No Smoke	No Smoke	No Smoke
11/29/12	No Smoke	No Smoke	No Smoke
12/21/12	No Smoke	No Smoke	No Smoke
01/23/13	No Smoke	No Smoke	No Smoke
02/26/13	No Smoke	No Smoke	No Smoke
03/02/13	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
04/12/12	No Smoke	No Smoke	No Smoke
05/01/12	No Smoke	No Smoke	No Smoke
06/07/12	No Smoke	No Smoke	No Smoke
07/05/12	No Smoke	No Smoke	No Smoke
08/16/12	No Smoke	No Smoke	No Smoke
09/19/12	No Smoke	No Smoke	No Smoke
10/05/12	No Smoke	No Smoke	No Smoke
11/02/12	No Smoke	No Smoke	No Smoke
12/03/12	No Smoke	No Smoke	No Smoke
01/10/13	No Smoke	No Smoke	No Smoke
02/05/13	No Smoke	No Smoke	No Smoke
03/05/13	No Smoke	No Smoke	No Smoke

Gas Plant 2

Date	C-201	C-202
04/05/12	No Smoke	No Smoke
06/01/12	No Smoke	No Smoke
06/19/12	No Smoke	No Smoke
07/02/12	No Smoke	No Smoke
08/06/12	No Smoke	No Smoke
09/07/12	No Smoke	No Smoke
10/17/12	No Smoke	No Smoke
11/02/12	No Smoke	No Smoke
12/13/12	No Smoke	No Smoke
01/03/13	No Smoke	No Smoke
02/12/13	No Smoke	No Smoke
03/06/13	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
04/18/12	No Smoke	No Smoke
05/13/12	No Smoke	No Smoke
06/15/12	No Smoke	No Smoke
07/25/12	No Smoke	No Smoke
08/28/12	No Smoke	No Smoke
10/03/12	No Smoke	No Smoke
10/30/12	No Smoke	No Smoke
11/28/12	No Smoke	No Smoke
12/27/12	No Smoke	No Smoke
01/08/13	No Smoke	No Smoke
02/18/13	No Smoke	No Smoke
04/02/13	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 2012	1,101	467	1,568	35,845
May 2012	5,331	739	6,070	38,351
June 2012	3,267	894	4,161	35,069
July 2012	2,136	520	2,656	34,591
August 2012	1,317	2,374	3,691	36,761
September 2012	4,493	734	5,227	40,105
October 2012	8,714	275	8,989	46,309
November 2012	748	344	1,092	45,981
December 2012	2,174	1,284	3,458	41,784
January 2013	1,032	1,669	2,701	42,978
February 2013	814	462	1,276	42,837
March 2013	964	655	1,619	42,508

*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 2012	16	2,461
May 2012	154	2,615
June 2012	1,416	2,219
July 2012	255	2,456
August 2012	0	2,456
September 2012	1,165	3,621
October 2012	0	3,562
November 2012	0	3,562
December 2012	1,022	4,412
January 2013	907	5,294
February 2013	696	5,668
March 2013	0	5,631

*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	
Month & Year		CWTP Solids Tank Bbl / Month	12-Month Total Solids Tank Bbl*
2012	April	18,885	171,831
2012	May	18,556	173,751
2012	June	11,892	164,457
2012	July	26,991	185,564
2012	August	6,932	185,603
2012	September	15,395	187,200
2012	October	14,415	189,615
2012	November	6,577	179,766
2012	December	15,775	177,719
2013	January	8,924	164,154
2013	February	1,519	152,191
2013	March	18,486	164,347

*Limit: 1,277.5MBBL/Yr.

Lloyd Solids Tank, TWSI-T001

Month & Year		Lloyd Lease Solids Tank Bbl / Month	12-Month Total Solids Tank Bbl*
2012	April	68,402	704,418
2012	May	60,371	710,377
2012	June	55,128	711,341
2012	July	43,710	703,916
2012	August	56,377	703,667
2012	September	57,623	707,333
2012	October	56,903	699,903
2012	November	54,960	693,758
2012	December	52,450	695,415
2013	January	40,061	674,955
2013	February	35,177	647,632
2013	March	51,842	633,004

*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*
2012	April	18,885	171,831
2012	May	18,556	173,751
2012	June	11,892	164,457
2012	July	26,991	185,564
2012	August	6,932	185,603
2012	September	15,395	187,200
2012	October	14,415	189,615
2012	November	6,577	179,766
2012	December	15,775	177,719
2013	January	8,924	164,154
2013	February	1,519	152,191
2013	March	18,486	164,347

*Limit: 1,825 MBBL/Yr

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 2012	564	29,603	878	25,334	3,255	27,650	82,587
May 2012	1,605	31,208	329	21,374	2,874	26,166	78,748
June 2012	3,197	33,336	3	17,911	1,475	23,674	74,921
July 2012	2,623	32,315	453	15,554	1,591	23,385	71,254
August 2012	961	28,910	14	12,215	4,022	26,197	67,322
September 2012	670	25,658	443	10,271	3,704	27,247	63,176
October 2012	1,404	22,919	0	7,709	3,831	28,843	59,471
November 2012	3,391	23,626	513	6,433	842	27,059	57,118
December 2012	1,464	21,891	395	5,840	3,362	29,893	57,624
January 2013	1,666	19,927	565	5,582	2,973	32,661	58,170
February 2013	1	17,702	1,015	5,625	3,976	35,601	58,928
March 2013	677	18,223	1,116	5,724	3,473	35,378	59,325

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 2012	2,209	20,976	834	14,908	35,884
May 2012	1,231	19,442	1,980	16,709	36,151
June 2012	963	18,193	2,042	18,075	36,268
July 2012	1,964	18,313	1,054	17,931	36,244
August 2012	1,814	18,540	1,110	17,566	36,106
September 2012	1,162	17,794	2,027	18,584	36,378
October 2012	1,784	18,255	1,743	18,741	36,996
November 2012	1,004	17,793	2,237	19,676	37,469
December 2012	607	17,376	2,796	20,398	37,774
January 2013	1,468	17,069	1,541	20,756	37,825
February 2013	1,533	17,034	1,007	20,410	37,444
March 2013	2,634	18,373	30	18,401	36,774

*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 Cumulative Totals MCF*
	Meter No. 64 MCF	12-Month Total MCF	Meter No. 68 MCF	12-Month Total MCF	
April 2012	10	19,399	3,035	17,938	37,337
May 2012	24	18,444	3,102	18,763	37,207
June 2012	13	17,540	3,160	20,037	37,577
July 2012	519	16,320	2,552	21,175	37,495
August 2012	539	15,385	2,402	21,882	37,267
September 2012	594	12,600	2,275	24,157	36,757
October 2012	1,118	10,483	1,682	25,839	36,322
November 2012	1,316	8,717	1,599	27,438	36,155
December 2012	1,954	7,562	956	28,047	35,609
January 2013	2679	10,236	5	25,330	35,566
February 2013	654	9,434	1,933	25,920	35,354
March 2013	1,652	11,072	1,617	24,318	35,390

*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 2012	3,610	23,900	3,110	22,149	46,049
May 2012	3,706	25,960	3,340	23,993	49,953
June 2012	3,562	28,153	3,172	25,954	54,107
July 2012	3,562	29,210	3,383	27,154	56,364
August 2012	3,395	32,605	3,286	30,440	63,045
September 2012	3,854	36,168	3,427	33,591	69,759
October 2012	3,948	36,737	3,613	34,086	70,823
November 2012	667	35,057	643	32,450	67,507
December 2012	2,701	37,104	2,571	34,370	71,474
January 2013	3,373	39,761	3,378	36,924	76,685
February 2013	0	36,182	0	33,403	69,585
March 2013	568	32,946	589	30,512	63,458

*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	
Month & Year	Meter No. 761 MCF	12-Month Total MCF*	Meter No. 762 MCF	12-Month Total MCF*
April 2012	2,196	40,875	1,525	2,953
May 2012	3,397	40,863	203	3,025
June 2012	456	38,403	3,402	6,144
July 2012	3,765	38,575	90	6,234
August 2012	3,844	38,835	0	6,234
September 2012	3,848	39,679	0	5,678
October 2012	3,531	39,428	100	5,778
November 2012	1,778	37,486	2,154	7,815
December 2012	332	33,987	3,924	11,731
January 2013	2,192	32,422	1,823	13,554
February 2013	3,426	32,557	23	13,244
March 2013	3,816	32,581	64	13,308

*Limits:

71.4 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*
2012	April	0	0
2012	May	0	0
2012	June	0	0
2012	July	0	0
2012	August	0	0
2012	September	0	0
2012	October	0	0
2012	November	0	0
2012	December	0	0
2013	January	0	0
2013	February	0	0
2013	March	0	0

THIS FACILITY IS DESIGNATED AS OUT OF SERVICE

*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 2012	1,176,035	14,268,876
May 2012	1,265,125	14,307,013
June 2012	1,167,576	14,349,356
July 2012	1,255,132	14,450,874
August 2012	1,289,894	14,408,548
September 2012	1,113,184	14,280,603
October 2012	1,153,623	14,240,718
November 2012	1,072,820	14,130,139
December 2012	992,712	13,974,201
January 2013	1,012,770	13,776,023
February 2013	911,570	13,603,715
March 2013	1,027,615	13,438,056

*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: 1,100 TPY

Reporting Period	Filter Aid Throughput	
Month & Year	WFP #4 Filter Aid Tons per Month	12-Month Total Filter Aid Tons per Year*
April 2012	62	926
May 2012	51	916
June 2012	61	906
July 2012	62	896
August 2012	49	850
September 2012	49	823
October 2012	63	805
November 2012	49	766
December 2012	61	740
January 2013	63	729
February 2013	77	721
March 2013	88	735

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 2012	15	285
May 2012	28	285
June 2012	14	271
July 2012	28	272
August 2012	23	266
September 2012	14	251
October 2012	29	266
November 2012	29	281
December 2012	26	281
January 2013	28	293
February 2013	28	291
March 2013	28	290

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 2012	25.5	465.8
May 2012	70.5	447.5
June 2012	30.5	410.0
July 2012	39.0	410.0
August 2012	20.0	385.0
September 2012	14.5	384.0
October 2012	8.0	375.5
November 2012	5.0	342.0
December 2012	19.0	324.5
January 2013	11.0	305.0
February 2013	11.0	283.0
March 2013	7.5	261.5

*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	
	Emergency Bowl Days	12-Month Total Days/year*
April 2012	0	0
May 2012	0	0
June 2012	0	0
July 2012	0	0
August 2012	0	0
September 2012	0	0
October 2012	0	0
November 2012	0	0
December 2012	0	0
January 2013	0	0
February 2013	0	0
March 2013	0	0

*Limit: 20 Days/year

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Waterflood Plant No. 1
 IC Engine WF1-1

Project 010-7843A
 May 9, 2012
 PTO No. 0041

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	48	14	0.26	0.0497	52.98	25 ppm @ 15% O ₂ and 0.58 lb/hr
	46	13	0.25	0.0476	50.74	
	46	13	0.25	0.0475	50.64	
<i>Mean</i>	47	13	0.25	0.0483	51.45	
CO	10752	3043	35.53	6.7664	7212.98	4500 ppm @ 15% O ₂ and 63.50 lb/hr
	10693	3024	35.62	6.7260	7169.92	
	10923	3091	36.71	6.8740	7327.68	
<i>Mean</i>	10789	3053	35.95	6.7888	7236.86	
ROC	0.0	0.0	0.000	0.0000	0.00	750 ppm @ 15% O ₂ and 0.11 lb/hr
C ₃ -C ₆₊ as C ₁	0.0	0.0	0.000	0.0000	0.00	
	0.0	0.0	0.000	0.0000	0.00	
<i>Mean</i>	0.0	0.0	0.000	0.0000	0.00	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Waterflood Plant No. 1
 IC Engine WF1-2

Project 010-7843A
 May 9, 2012
 PTO No. 0041

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	32	9	0.16	0.0328	34.96	25 ppm @ 15% O ₂ and 0.58 lb/hr
	32	9	0.16	0.0325	34.65	
	32	9	0.15	0.0325	34.65	
<i>Mean</i>	32	9	0.16	0.0326	34.75	
CO	4280	1209	12.80	2.6883	2865.73	4500 ppm @ 15% O ₂ and 63.50 lb/hr
	4604	1301	13.91	2.8932	3084.15	
	4544	1284	13.59	2.8555	3043.96	
<i>Mean</i>	4476	1265	13.43	2.8123	2997.95	
ROC C ₂ -C ₆₊ as C ₁	1.2	0.3	0.002	0.0004	0.43	750 ppm @ 15% O ₂ and 0.09 lb/hr
	0.6	0.2	0.001	0.0002	0.21	
	0.6	0.2	0.001	0.0002	0.21	
<i>Mean</i>	0.8	0.2	0.001	0.0003	0.28	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Lloyd Corporation Lease
 IC Engine C-201

Project 010-7843B
 May 10, 2012
 PTO No. 0041

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	41	24	0.38	0.0880	93.81	45 ppm @ 15% O ₂
	41	24	0.39	0.0876	93.38	
	41	24	0.39	0.0879	93.70	
<i>Mean</i>	41	24	0.39	0.0878	93.63	
CO	520	306	2.97	0.6809	725.84	4500 ppm @ 15% O ₂
	522	309	3.03	0.6870	732.34	
	521	307	3.04	0.6829	727.97	
<i>Mean</i>	521	307	3.01	0.6836	728.72	
ROC C ₃ -C ₆₊ as C ₁	158.4	93.2	0.517	0.1186	126.43	750 ppm @ 15% O ₂
	155.0	91.8	0.514	0.1166	124.29	
	162.5	95.9	0.541	0.1217	129.74	
<i>Mean</i>	158.6	93.6	0.524	0.1190	126.82	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Lloyd Corporation Lease
 IC Engine C-202

Project 010-7843B
 May 10, 2012
 PTO No. 0041

Pollutant	ppm	ppm @ 15% O ₂	lb/hr	lb/MMBtu	lb/MMCF	Permit Limits
NOx	44	26	0.42	0.0934	99.56	45 ppm @ 15% O ₂
	39	23	0.37	0.0847	90.29	
	41	24	0.39	0.0891	94.98	
<i>Mean</i>	41	24	0.39	0.0891	94.94	
CO	486	286	2.85	0.6351	677.02	4500 ppm @ 15% O ₂
	494	292	2.80	0.6495	692.37	
	490	289	2.80	0.6417	684.05	
<i>Mean</i>	490	289	2.82	0.6421	684.48	
ROC C ₃ -C ₆₊ as C ₁	151.7	89.2	0.508	0.1133	120.78	750 ppm @ 15% O ₂
	158.8	94.0	0.515	0.1192	127.07	
	156.9	92.5	0.512	0.1174	125.16	
<i>Mean</i>	155.8	91.9	0.512	0.1166	124.34	
Comments: _____						

AEROS ENVIRONMENTAL, INC.

Summary Of Results

Aera Energy LLC
 Gas Plant 7
 BYIS Heater No. 601-A @ Mid Operating Load

Project 010-7844
 July 3, 2012
 ATC No. 00041-1400

Pollutant	%	ppm	ppm @ 3% O ₂	lb/hr	lb/MMCF	Permit Limits
NOx		8	8	0.06	9.99	
		8	8	0.06	10.25	
		9	8	0.06	10.88	
Mean		8	8	0.06	10.37	12 ppm @ 3% O₂
CO		119	116	0.55	90.56	
		114	110	0.49	85.77	
		148	143	0.63	111.77	
Mean		127	123	0.56	96.03	400 ppm @ 3% O₂
O ₂	2.53					
	2.32					
	2.39					
Mean	2.41					
Comments: _____						

Order 910645154 PREV Preventative Maintenance
 Description VN-APCD RULE 64 REQUIREMENTS GAS PLANT 7
 Start /End date 09/23/2012 - 03/22/2013
 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: *3-12-13*

AS FOUND: *N/A*

AS LEFT: *cuts taken.*

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		
	3542382				
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

0 ppm H2S

End of report

Order 910613914 PREV Preventative Maintenance
 Description VN-APCD RULE 71.4 WF1 V127 SUMP YRLY
 Start /End date 03/27/2012 - 04/29/2012
 Priority 3 - 15 to 33 Days
 Status TECO PRT MANC NMAT PRC SETC

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

Superior Equipment 1112163 Waterflood 1 Concrete Pit V127

Equipment Assembly
 Location Room
 Maint Plan Grp VNP/VN00 Ventura Plants
 Main Work Ctr GL821180 VN00

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

VN-APCD RULE 71.4 WF1 V127 SUMP YRLY

Contacted Linda with BC Technologies requesting a technician to retrieve a sample from V127. Technician will be here either on 4/27 or the following week. BC will call back providing exact date and time of sampling.

Results to follow

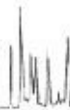
Operation	0020			ROC ANALYSIS ANNUAL
<i>Work center</i>	CAS	VN00		Aera Compliance Assurance Specialist
	3402023			
<i>Work</i>	1.0	HR	<i>Number</i>	0 <i>Actual Hours</i> _____

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: 05/11/2012

Bart

Aera Energy
3382 North Ventura Ave
Ventura, CA 93001

Project: Annual Sampling
BC Work Order: 1207892
Invoice ID: B121860

Enclosed are the results of analyses for samples received by the laboratory on 5/1/2012. 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



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Chain of Custody Form

Client: Alora Energy
Attn: BAVT
Street Address: 3382 N. Ventura Ave
City, State, Zip: Ventura, CA 93001
Phone: 805 648-8301 Fax:
Email Address:
Work Order #: 1207892

Project #:
Project Name:
Global ID #:
Sampler(s): David
 Kittenhust

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested		Turnaround # of work days	Comments
				Soil	Other		
-1	V-127 Sample	5/11/2025	1130	X			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 Sample Matrix: <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Wastewater <input type="checkbox"/> Other Notes: CHC BY DISTRIBUTION SUB-OUT

Billing:
Client: Same as above
Address:
City: State Zip
Phone: Fax

Global ID #: (Needed for EDI)
EDF Required? Yes No
Send Copy to State of CA? (EDT) Yes No

System #		Date		Time	
1. Received By	2. Received By	5-11-2025	5-11-2025	1130	2025
3. Relinquished By	3. Received By				

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



BC LABORATORIES INC.		SAMPLE RECEIPT FORM		Rev. No. 12	06/24/08	Page	Of				
Submission #: 1207892											
SHIPPING INFORMATION Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____				SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____							
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments:											
Custody Seals		Ice Chest <input type="checkbox"/>		Containers <input type="checkbox"/>		None <input checked="" type="checkbox"/> Comments:					
Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>		Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>									
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: 0.95		Container: VOA		Thermometer ID: 177					
		Temperature: A 4.12 °C / C 4.8 °C				Date/Time 5-1-12 21:40					
						Analyst Init JKW					
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											
2cc. NITRATE /NITRITE											
PT TOTAL ORGANIC CARBON											
PT TOX											
PT CHEMICAL OXYGEN DEMAND											
PIA PHENOLICS											
40ml VOA VIAL TRAVEL BLANK			A1								
80ml VOA VIAL		A3									
QT EPA 413.1, 413.2, 418.1											
PT ODOR											
RADIOLOGICAL											
BACTERIOLOGICAL											
10 ml VOA VIAL- 504											
QT EPA 508/608/808											
QT EPA 515.1/8150											
QT EPA 525											
QT EPA 525 TRAVEL BLANK											
80ml EPA 547											
80ml EPA 531.1											
PT EPA 548											
PT EPA 549											
PT EPA 632											
PT EPA 8015M											
PT AMBER											
OZ JAR											
2 OZ JAR											
OIL SLEEVE											
CB VIAL											
ELASTIC BAG											
ERROUS IRON											
NCORE											
Comments:											
Sample Numbering Completed By: JKW Date/Time: 5/2/12 6035											
Actual / C = Corrected											

PI:\DOC\SIWP\LAB_DOCS\FORMS\SAMREC2.WPD



Aera Energy
3382 North Ventura Ave
Ventura, CA 93001

Reported: 05/11/2012 10:57
Project: Annual Sampling
Project Number: [none]
Project Manager: Bart

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1207892-01	COC Number:	---	Receive Date:	05/01/2012 21:45
	Project Number:	---	Sampling Date:	05/01/2012 11:30
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	V-127 Sample	Lab Matrix:	Water
	Sampled By:	David Rittenhouse	Sample Type:	Wastewater
	<hr/>			
	1207892-02	COC Number:	---	Receive Date:
Project Number:		---	Sampling Date:	05/01/2012 11:30
Sampling Location:		---	Sample Depth:	---
Sampling Point:		tb	Lab Matrix:	Water
Sampled By:		---	Sample Type:	Trip Blank
<hr/>				



Aera Energy
3382 North Ventura Ave
Ventura, CA 93001

Reported: 05/11/2012 10:57
Project: Annual Sampling
Project Number: [none]
Project Manager: Bart

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1207892-01	Client Sample Name: V-127 Sample, 5/1/2012 11:30:00AM, David Rittenhouse							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	230	ug/L	50	5.0	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	103	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/02/12	05/03/12 20:51	jjh	GC-V4	1	BVE0690



Aera Energy
3382 North Ventura Ave
Ventura, CA 93001

Reported: 05/11/2012 10:57
Project: Annual Sampling
Project Number: [none]
Project Manager: Bart

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1207892-02 Client Sample Name: lb, 5/1/2012 11:30:00AM

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)	88.8	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/02/12	05/04/12 03:10	jjh	GC-V4	1	BVE0690



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Ventura, CA 93001

Reported: 05/11/2012 10:57
Project: Annual Sampling
Project Number: [none]
Project Manager: Bart

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: BVE0690						
Gasoline Range Organics (C4 - C12)	BVE0690-BLK1	ND	ug/L	50	5.0	
a,a,a-Trifluorotoluene (FID Surrogate)	BVE0690-BLK1	81.4	%	70 - 130 (LCL - UCL)		



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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	RPD	Control Limits	
								Percent Recovery	Lab RPD
QC Batch ID: BVE0690									
Gasoline Range Organics (C4 - C12)	BVE0690-BS1	LCS	1116.5	1000.0	ug/L	112		85 - 115	
a,a,a-Trifluorotoluene (FID Surrogate)	BVE0690-BS1	LCS	36.037	40.000	ug/L	90.1		70 - 130	

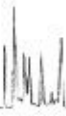


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Reported: 05/11/2012 10:57
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Project Number: [none]
Project Manager: Bart

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

Constituent	Source Type	Source Sample ID	Source Result	Result	Spike Added	Units	Control Limits			
							Percent RPD	Percent Recovery	Percent Lab Recovery	
QC Batch ID: BVE0690		Used client sample: N								
Gasoline Range Organics (C4 - C12)	MS	1207076-34	ND	1118.2	1000.0	ug/L		112		70 - 130
	MSD	1207076-34	ND	1116.5	1000.0	ug/L	0.2	112	20	70 - 130
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1207076-34	ND	34.898	40.000	ug/L		87.2		70 - 130
	MSD	1207076-34	ND	35.093	40.000	ug/L	0.6	87.7		70 - 130



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Project: Annual Sampling
Project Number: [none]
Project Manager: Bart

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



Laboratories, Inc.

Chain of Custody Form

Page 1 of 1

Report To: Client: Alora Energy

Attn: BQV+

Street Address: 3382 N. Ventura Ave

City, State, Zip: Ventura, CA 93001

Phone: 805 648-8301 Fax: Ritterhust

Email Address: _____

Work Order #: 1207897

Sample #	Description	Date Sampled	Time Sampled
<u>1</u>	<u>V-127 Sample</u>	<u>5/1/12</u>	<u>1130</u>

Analysis Requested

Comments:

TPH GAS																																																							

Sample Matrix

Soil _____

Sludge _____

Drinking Water _____

Ground Water _____

Waste Water _____

Other _____

Turnaround # of work days: _____

Are there any tests with holding times less than or equal to 48 hours?
 Yes No

* Standard Turnaround = 10 work days

Notes

CHK BY YQ

DISTRIBUTION

SUB-OUT ET

EDF Required? Same as above

EDF Required?
 Yes No

Send Copy to State of CA? (EDT)
 Yes No

Global ID (Needed for EDT) _____

1. Relinquished By [Signature] Date 5-1-12 Time 2025

2. Relinquished By _____ Date _____ Time _____

3. Relinquished By _____ Date _____ Time _____

1. Received By _____ Date _____ Time _____

2. Received By _____ Date _____ Time _____

3. Received By _____ Date _____ Time _____

System # (Needed for EDT) _____

Billing

Client: _____

Address: _____

City: _____ State: _____ Zip: _____

Attn: _____

PO#: _____

Submission #: 120789a

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: 0.95 Container: 500A Thermometer ID: 177

Date/Time 5-1-12
Analyst Init JNW 2140

Temperature: A 4.6 °C / C 4.8 °C

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										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK		A1								
40ml VOA VIAL	A3	()	()	()	()	()	()	()	()	()
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: JNW Date/Time: 5/2/12 6035
A = Actual / C = Corrected